Bryant University

Undergraduate Course Catalog • 2026/2027

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A MESSAGE FROM THE PRESIDENT

Welcome to Bryant University!

Welcome to Bryant University.

As you begin your undergraduate journey or advance your education through graduate study, you are joining a community defined by purpose, opportunity, and forward momentum. At Bryant, education is not only about what you learn, but it is also about who you become and how you apply that learning in the world.

Our purpose is clear. Bryant delivers an education that is rigorous, relevant, and deeply connected to the challenges and opportunities of a global economy. We prepare students not only for their first job, but for lives of leadership, adaptability, and impact. Our academic programs integrate business, the liberal arts and sciences with professional preparation, experiential learning, and a global perspective, ensuring that graduates are ready to think critically and act confidently in a rapidly changing world.

You will be challenged by dedicated faculty focused on student learning and success and supported by staff who believe in your potential. Bryant is a university that places strong emphasis on education and student character, leadership, and service. We expect our students to engage fully in their education, to act with integrity, and to contribute positively to our community. These shared expectations are central to the learning environment we create together and to the preparation of graduates ready to lead with purpose.

This catalog reflects the breadth, clarity, and academic excellence of our programs and policies. It is an important guide as you plan your course of study and take responsibility for your progress. I encourage you to use it thoughtfully, ask questions, and take full advantage of the many opportunities available to you at Bryant.

I am continually inspired by the energy, curiosity, and ambition our students bring to this university, and by the commitment of our faculty and staff who bring our mission to life each day. Together, we are shaping a community and a future, grounded in shared purpose and meaningful impact.

I look forward to your engagement in learning at Bryant and wish you success as you pursue your goals here, and I look forward to all that you will bring to and accomplish at Bryant University.

Warm regards,

Ross Gittell, Ph.D.

President

Bryant University

MISSION STATEMENT / OVERVIEW

Bryant University Mission Statement

Bryant University's mission is to educate and inspire students to discover their passion and become innovative leaders with character around the world.

An Overview

Since its founding in 1863, Bryant University has inspired students to excel and achieve success in life and their chosen professions. The University's innovative academic programs integrate business, liberal arts, and technology to develop the skills and critical thinking that are essential in every career. In addition to mastering academic subject matter, data literacy, design-thinking skills, an international dimension, and ethics are incorporated into every aspect of the Bryant experience so that graduates are real-world ready and prepared to lead global organizations and drive positive change.

As an institution, for more than 162 years, Bryant has evolved over time to meet the changing needs of students, industry, and society. Traditional core values serve as the foundation for Bryant's continued success. The rigorous curricula will continue to define the University, even as Bryant enhances its academic offerings to advance the professional interests of new generations of students. The collegial learning community will continue to encourage intellectual discovery inside and outside of the classroom. The University is accredited by the New England Commission of Higher Education (NECHE, formerly NEASC). The College of Business is accredited by AACSB International – the Association to Advance Collegiate Schools of Business. The University also is a member of CUIBE, a consortium of nationally recognized international business programs.

Bryant University prepares its undergraduate and graduate students to meet the complex demands of an interdependent society, culture, and economy. Students develop the qualities of character that are essential to personal and professional fulfillment, including integrity and personal responsibility, a global perspective, an appreciation for the arts and humanities, and entrepreneurial drive.

A Bryant education imparts *The Character of Success* in order to deliver on its enduring promise to provide students with an education that helps them achieve their goals.

Faculty - Scholarly, Teaching

Bryant's focus is on the learning experience and learning outcomes, and the University takes great pride in the quality of its dedicated faculty. Professors make a special effort to develop innovative pedagogies that turn the classroom into a forum for the presentation and exchange of ideas. Teaching extends beyond the classroom when students and professors meet or use technology to exchange ideas or discuss matters of mutual interest. The University's vibrant student life programs further extend the learning environment.

Bryant prides itself on its close-knit community of students, faculty, and staff. Faculty members serve as mentors and are available for personal academic counseling and advising as an extension of formal programs.

The faculty maintain high standards of professionalism. They engage in original research projects; advise business, government, and industry leaders; author numerous scholarly books, articles, and conference papers; write and edit college textbooks; and conduct sponsored research for academic programs. Such diverse scholarly activities enable the faculty to stay current in and contribute to their fields of knowledge.

Class Size

Most class sizes range between 25 and 35 students. Language classes, Honors courses, and laboratories may be considerably smaller.

Communication and personal interaction are important in all phases of the educational process. At Bryant, there are many opportunities for students to discuss personal, academic, and career aspirations and concerns. Caring, dedicated faculty members, administrators, and counselors are available to talk with individual students in comfortable and supportive environments.

Accreditations and Memberships

The College of Business at Bryant University is accredited by AACSB International--The Association to Advance Collegiate Schools of Business (www.aacsb.edu), and is one of only 6% of business schools that have received this prestigious international accreditation. The College of Business is also a member of the EFMD-an international, not-for-profit, membership organization of business schools and corporations, based in Brussels, Belgium, with offices in Asia and the Americas (www.efmd.org).

The International Business program at Bryant University is a member of the Consortium for Undergraduate International Business Education (www.cuibe.net).

Bryant University is accredited by the New England Commission of Higher Education (NECHE, formerly NEASC). Inquiries regarding the accreditation status by NECHE should be directed to the administrative staff of Bryant University. Individuals may also send mail to the New England Commission of Higher Education at the mailing address shown here, (https://neche.org), telephone 781-425-7785, or send email to info@neche.org.

The College of Humanities and Social Sciences at Bryant University is a member of the Association of American Colleges & Universities (AAC&U), the leading national association that supports the quality, vitality, and public standing of undergraduate liberal education.

Bryant is a member of the American Council on Education, the College Entrance Examination Board, and the Educational Testing Service of Princeton, NJ.

Bryant has been approved for membership by the American Association of University Women.

Bryant supports the efforts of secondary school officials and governing bodies to have their schools achieve regional accreditation status to provide reliable assurance of the quality of educational preparation of its applicants for admission.

Disclaimer

This catalog is reviewed and revised annually to provide up-to-date information to students and other interested parties regarding all aspects of academic and administrative policies. Every reasonable effort has been made to determine that the information contained within is current, correct, and complete. Bryant University reserves the right to make changes whenever necessary.

Nondiscrimination Policy

Bryant University admits students of any race, gender, sexual orientation, religion, color, and national and ethnic origin to all the rights, privileges, programs, and activities generally afforded or made available to students at the school. It does not discriminate unlawfully on the basis of race, gender, sexual orientation, religion, color, or national and ethnic origin in administration of its educational policies, admission policies, scholarships and loan programs, and athletic and other school-administered programs. In addition, Bryant University does not discriminate unlawfully against the disabled and is in full compliance with the Rehabilitation Act of 1973, as amended.

Inquiries/complaints with regard to discrimination on the basis of race, gender, sexual orientation, religion, color or national or ethnic origin should be directed to the Vice President for Student Affairs.

Bryant University
1150 Douglas Pike
Smithfield, RI 02917-1284
(401) 232-6046.

Persons may also contact Director, U.S. Department of Education, Office of Civil Rights, Region One, Boston, MA 02109, regarding the University's compliance with regulations.

Consent for use of likeness

Bryant University periodically takes photographs and/or video of students, faculty, alumni, and staff on Bryant's campus and at official Bryant functions conducted off campus. Bryant reserves the right to use these images, likenesses, and/or voice with or without appropriate identification and may alter the appearance to conform with University standards.

2026/2027 Undergraduate Academic Calendar & Campus Map Link

**** Campus Map

Fall Term – 2026

Residence Halls Open:	
New First-Year Students: Residence Hall Move-In	Thursday, August 27
New Student Welcome Week	Thursday, August 27 through Sunday, August 30
Transfer Students: Residence Hall Move-in	Sunday, August 30
Returning Students: Residence Move-In	Sunday, August 30
Transfer Student Celebration	Sunday, August 30
Classes Begin:	
All Undergraduate Day and Evening	Monday. August 31
Convocation	Wednesday, September 2 - 3:00 p.m.
Add/Drop Period Ends	Friday, September 4
Labor Day (no classes)	Monday, September 7
Columbus/Indigenous Peoples' Day Holiday	Monday, October 12
MONDAY SCHEDULE FOR ALL COURSES	Tuesday, October 13
First-year/Transfer Mid-Term Grades Due	Tuesday, October 20
Day of Understanding: All Students are expected to attend DOU activities in lieu of class meeting. Night classes meet as scheduled.	Wednesday, October 21
Last Day for "W" Grade	Tuesday, November 10
Thanksgiving Recess	Begins Tuesday evening after last class at 9:10 pm, November 24 and ends on Sunday, November 29. Residence Halls close at 5:00 pm. Students who have evening classes between 5pm – 9:10 pm on November 24 are approved to stay in residence halls until 10:00 pm.
Classes End	Friday, December 11
Examination Period	Saturday, December 12 through Friday, December 18
Semester Ends	Friday, December 18

Winter Term – 2026/2027

Classes Begin - REMOTE	Monday, December 28
Classes End	Tuesday, January 12
Classes meet on Saturday	Saturday, January 9
Class meeting dates:	Dec 28, Dec 29, Dec 30, Jan 4, Jan 5, Jan 6, Jan 7, Jan 8, Saturday Jan 9, Jan 11, Jan 12

Spring Term – 2027

First-year & Transfer Students Residence Halls Move-In: Residence Hall Move-in Orientation (New Students) program starting at noon	Tuesday, January 12
Bryant IDEA - First Year and Transfer Students Only	Wednesday, January 13 through Friday, January 15
Returning Sophomore, Juniors, and Seniors: Resident Halls Move-In:	Sunday, January 17
Martin Luther King Jr. Day - no classes	Monday, January 18
Classes Begin (ALL Undergraduate)	Tuesday, January 19
Add/Drop Period Ends	Monday, January 25
President's Day (no classes)	Monday, February 15
MONDAY SCHEDULE FOR ALL COURSES	Tuesday, February 16
First-year and Transfer Mid-Term Grades Due	Tuesday, March 9
Spring Break	Monday, March 15 through Sunday, March 21
Last Day for "W" Grade	Tuesday, April 6
Research and Engagement (REDay) -ReDay activities will be assigned in lieu of formal in-class meetings. Evening classes will meet as regularly scheduled	Wednesday, April 7
Classes End	Tuesday, May 4
Examination Period	Wednesday, May 5 through Tuesday, May 11
Semester Ends	Tuesday, May 11
Graduate Commencement	Thursday, May 13
Undergraduate Commencement	Saturday, May 15

Summer Term I – 2027

Classes Begin (Day and Evening) - REMOTE	Tuesday, May 18
Memorial Day (no classes)	Monday, May 31
Day Classes End	Wednesday, June 23
Evening Classes End	
Monday/Wednesday	Monday, July 12
Tuesday/Thursday	Thursday, July 8

Summer Term II - 2027

Classes Begin - REMOTE	Thursday, June 24
Classes End	Friday, July 30

University Faculty

Dean Emeritus

Professor David S. Lux

Emeritus Faculty

Professor Roger Anderson - Management

Professor Stanley J. Baran - Communication

Professor Judy Barrett Litoff - History and Social Sciences

Professor Laurie Bates - Economics

Professor Gregg Carter - Sociology

Professor Tom Chandler - English and Cultural Studies

Professor Robert Conti - Accounting

Professor Cileine de Lourenco - English and Cultural Studies

Professor Carol DeMoranville - Marketing

Professor Richard Glass - Information Systems and Analytics

Associate Professor Anthony Houston - Modern Languages (Spanish)

Professor Joseph A. Ilacqua - Economics

Professor Antoine Joseph - History and Social Sciences

Professor Kristin Kennedy - Mathematics

Professor David Ketcham - Finance

Professor Timothy Krumwiede - Accounting

Professor Gaytha Langlois - Science and Technology

Professor Hsi Li - Finance

Professor Harsh Luther - Management

Professor Mary Lyons - English and Cultural Studies

Professor Michael Lynch - Accounting

Professor Joseph McCarthy - Finance

Professor Judith McDonnell - Politics, Law and Society

Professor Daniel McNally - Science and Technology

Professor Robert Muksian - Mathematics

Professor Keith Murray - Marketing

Professor Elaine Notarantonio - Marketing

Professor Alan Olinsky - Mathematics

Professor Michael B. Patterson - Management

Professor Mary Prescott - English and Cultural Studies

Professor Charles Quigley - Marketing

Professor Harold Records - Computer Information Systems

Professor Saeed Roohani - Accounting

Professor Phyllis Schumacher - Mathematics

Professor Joseph Shaanan - Economics

Professor Kathleen Simons - Accounting

Professor Jack Trifts - Finance

Professor VK Unni - Management

Professor Elizabeth Walden - English and Cultural Studies

Professor Nanci Weinberger - Psychology

Professor Yun Xiao - Modern Languages

Professor Elizabeth Yobaccio - Finance

Tenure and Tenure Track Faculty

Katayoun Alidadi, Associate Professor, Politics, Law and Society, LL.M. Harvard Law School; Ph.D. in Law KU Leuven

Daniel Ames, Professor, Accounting, B.S. Brigham Young University; M.A. Duke University; Ph.D. Southern Illinois University-Carbondale

Kwadwo N. Asare, Professor, Accounting, B.S. St. Francis College; M.B.A. Cornell University; M.S. McCullum Graduate School of Business; Ph.D. Bentley University

Asli Ascioglu, Professor, Finance, B.S. Middle East Technical University; M.S. Texas Tech University; Ph.D. University of Memphis

Sharmin Attaran, Professor, Marketing, B.A. University of California Los Angeles; M.B.A. California State University Bakersfield; Ph.D. University of Illinois at Chicago

Laura Beaudin, Associate Professor, Mathematics and Economics, B.A. St. Michael's College; M.A., Ph.D. University of New Hampshire

David Beausejour, Professor, Accounting, B.S., M.S.T. Bryant University; J.D., Suffolk University; C.P.A.

Jocelyn Bell, Assistant Professor, Sociology, B.A. Brown University; M.A. University of Kentucky; M.A. Brown University; Ph.D. Brown University

Aziz Berdiev, Professor, Mathematics and Economics, B.A. Berea College; M.S., Ph.D. University of Kentucky

James Bishop, Professor, Mathematics and Economics, B.A., M.A. State University of New York; Ph.D. Northeastern University

Brian Blais, Professor, Biological and Biomedical Sciences, B.A. Wesleyan University; M.Sc., Ph.D. Brown University

Ronald Bobroff, Professor, History, Literature and the Arts, B.A. University of Pennsylvania; M.Sc. London School of Economics and Political Science; M.A., Ph.D. Duke University

Andrea Boggio, Professor, Politics, Law, and Society, B.A. Universita Cattolica del Sacro Cuore, Italy; J.S.M., J.S.D. Stanford Law School

Stefanie Boyer, Professor, Marketing, B.A., M.B.A., Ph.D. University of South Florida

Gianluca Brero, Assistant Professor, Information Systems and Analytics, B.S. Turin Polytechnic; M.S. Milan Polytechnic and Turin Polytechnic; Ph.D. University of Zurich

Allison Butler, Professor, Psychology, B.S. The College of William Mary; M.Ed. University of Virginia; Ph.D. Boston College

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Valerie Carrigan, Assistant Professor, History, Literature, and the Arts, B.S. Nazareth College; M.Ed. Western Washington University; MFA The University of the Arts

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Janet E. Dean, Professor, History, Literature and the Arts, B.A. Colby College; M.A., M.Phil., Ph.D. Columbia University

Ronald J. Deluga, Professor, Psychology, B.S. Bowling Green State University; M.S. Miami (of Ohio) University; M.B.A. Xavier University; Ed.D. University of Cincinnati

John W. Dietrich, Department Chair, Professor, Politics, Law, and Society, B.A. University of Pennsylvania; M.A., Ph.D. Johns Hopkins University

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Qin Leng, Professor, Biological and Biomedical Sciences, B.S., Nanjing University, M.S. and Ph.D. Chinese Academy of Sciences

Suhong Li, Professor, Information Systems and Analytics, B.E., M.E. Tianjin University; Ph.D. University of Toledo

Melanie Maimon, Assistant Professor, Psychology, B.S. University of Massachusetts-Amherst, M.S. Rutgers University, Ph.D. Rutgers University

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Tracy J. Noga, Trustee Professor, Accounting, B.S.B.A. Bryant University; M.S. University of Hartford; Ph.D. Texas Tech University

Cedric Oliva, Associate Professor, Communication and Language Studies, B.A. Stendhal University, France; University of Sussex, Brighton, UK University of Corsica; M.A. California State University, University of Corsica; Ph.D. University of Corsica, France

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John T. Quinn, Professor, Mathematics and Economics, Sc.B. Brown University; S.M., Ph.D. Harvard University

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Christopher Reid, Professor, Biological and Biomedical Sciences, B.Sc. Laurentian University, M.Sc. University of Waterloo, Ph.D. University of Guelph

Thomas J. Roach, Professor, History, Literature and the Arts, B.A. Boston College; M.A., Ph.D. University of Minnesota

Michael Roberto, Professor, Trustee Professor of Management, A.B., M.B.A., D.B.A. Harvard University

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Academic Regulations and Policies

All Bryant University students are responsible for complying with the rules, regulations, policies, and procedures contained in this publication, as well as those in other official University publications (e.g. Student Handbook) and announcements which may be issued from time to time.

Academic Regulations

Credit Hour

As an institution of higher education, Bryant University holds the responsibility for determining and upholding standards related to the awarding of credit hours for student work consistent with national standards. One credit hour is defined as follows:

- One hour (50 minutes) of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for approximately fifteen weeks for one term.
- At least an equivalent amount of work as required outlined above for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work relating to the award of credit hours.

Bryant University ensures a minimum of 750 minutes of instruction per credit hour (2,250 minutes of instruction for a standard, three-hour course), regardless of mode of delivery. Winter and Summer terms offer accelerated courses, and the schedule is adjusted to meet the above standard.

Grading System

The grading system is shown below. To calculate GPA

1. Multiply the point value of the letter grade by the number of credit hours. The result is the quality points earned.
2. Total the credit hours for the term.
3. Total the quality points for the term.
4. Divide the total quality points by the total credit hours.
5. The result is the GPA for the term.
6. Final GPA is truncated (not rounded) to the hundredths (i.e., two decimal places) for all official university records, academic standing, honors, etc.

A	4.0	Excellent
A-	3.7	
B+	3.3	
B	3.0	Good
B-	2.7	
C+	2.3	
C	2.0	Satisfactory
C-	1.7	
D+	1.3	
D	1.0	Unsatisfactory
F	0	Failing

I	Incomplete (because of extenuating circumstances, the instructor has allowed additional time, usually two weeks, to complete the course.) The Incomplete is not included in calculating the GPA. If the Incomplete is not finished by October 1st for Spring and Summer and March 1 for Fall and Winter, the grade will automatically be converted to an F. All grade changes must be approved by the department chair. Form may be obtained from the Registrar's Office
AU	Audit grade. Grade not included in calculation of GPA.
P	Pass grade. Grade not included in calculation of GPA
W	Student is allowed to withdraw from a course through the tenth week of the semester (see relevant academic calendar for the exact date). The recorded grade of "W" does not enter into GPA calculations. If a student does not formally withdraw from a course, the instructor will submit the final grade earned and that grade will appear on the student's transcript. In cases of academic dishonesty, the student will not be permitted to withdraw if an F grade penalty is assigned or if an academic dishonesty case is pending. A student may be allowed to withdraw from a course after the Week 10 deadline due to extenuating circumstances. In cases of academic dishonesty, or if an academic dishonesty case is pending, a student will not be allowed to retroactively withdraw from the course in question.
WD	Student is allowed to withdraw from a term without penalty up to and including the 10th week of classes. In cases of academic dishonesty, the student will not be permitted to withdraw if an F Grade penalty is assigned or an academic dishonesty case is pending. Any course that has been completed and graded will remain on the student's record.

In those cases where the instructor fails to meet the deadline date for submission of grades, the grade report will reflect the symbol NA, which means "Not available at time of processing of grade reports. Student must check with instructor for grade."

Courses attempted at Bryant University are permanently recorded and appropriately calculated in the grade point average.

Calendar Committee

Members of the Calendar Committee consist of the Associate Deans, One Department Chair from each College, Two Students from the Academic Affairs Sub-Committee of Student Government, Registrar's Office, Executive Director of the Student Success Programs and Services, Executive Director of Graduate and Professional Education and Human Resources Representative.

Add/Drop Policy

During the fall and spring terms, students may add and drop courses for the first five (5) days of the term. Refer to the Office of the Registrar web page for add and drop deadlines for the winter and summer terms.

Retroactive Withdrawal Policy Purpose and Scope

The University generally discourages retroactive changes to the academic record but will consider exceptions to this rule when a student provides compelling evidence that withdrawal is appropriate and can provide documentation to support their case. The retroactive withdrawal policy is designed to help students when serious and/or unforeseen circumstances occur after the official withdrawal deadline for the term;

however, students are encouraged to use all resources at their disposal for successful course completion.

In order to be eligible for a retroactive withdrawal from a course or series of courses, a student must have experienced an extenuating circumstance which prohibited a traditional withdrawal (i.e., by the end of the 10th week) during the term in question. Such circumstances must be (1) unforeseeable and/or beyond the student's control, (2) serious, and (3) documented and verifiable. A retroactive withdrawal is an extraordinary remedy that is available only for extreme circumstances such as:

• The student experienced a mental or physical illness, injury, or other extreme circumstance that significantly limited their capacity to withdraw in a timely manner;

• The student was forced to leave the University abruptly due to a health or safety emergency within their immediate family; and/or

• The student was forced to abruptly relocate due to employment, loss of employment, or a housing emergency.

This list is NOT exhaustive but serves to illustrate the severity of the circumstances required to qualify. Students should consult with their academic advisor in advance of filing a petition for a retroactive withdrawal. Retroactive withdrawal requests will not be considered in cases of academic dishonesty.

The retroactive withdrawal policy is NOT intended as a way for students to avoid receiving low grades. If a student has doubts about their ability to complete a course successfully, they are encouraged to reach out to their instructor or academic advisor before the course withdrawal deadline to discuss their next steps. That may mean seeking additional support through University resources or withdrawing from the course. The student is expected to make the decision by the course withdrawal deadline and not wait until the grades are posted for the semester.

Students are NOT eligible for a retroactive withdrawal if any of the following conditions are true:

- The student is applying primarily because of dissatisfaction with the course content, method of instruction, or final grade in the course.
- The student underestimated time commitments for the course or courses in question, including balancing work and academics, sports and academics, extracurricular activities and academics, etc.
- The student was unaware of the processes and deadlines for withdrawal during the semester.
- The student experienced an extenuating circumstance early in the semester and had the ability to withdraw from courses during that semester.
- The student voluntarily took on non-academic duties or activities during the semester which restricted available time for academic pursuits.
- The student changed majors and no longer needs the course or courses in question for degree completion.
- The student had multiple, unexcused absences.

A petition for a retroactive withdrawal must be made no later than the end of the semester (defined as the close of business on the last day of final exams) in which the student was enrolled in the course(s) in question.

The successful petition for retroactive withdrawal does NOT entitle the student to a tuition refund or adjustment. In addition, withdrawal from courses could have consequences for other aspects of student eligibility (e.g., financial aid). These are beyond the purview of this policy. The student should contact relevant University offices to discuss possible consequences prior to completion of the petition for retroactive withdrawal.

Petition Process: In order to initiate the process of petitioning for a retroactive withdrawal, the student will need to produce the following.

Detailed Narrative: The student must write a detailed letter explaining the extraordinary circumstances that qualify them for a retroactive withdrawal. This should include a clear timeline showing why the student could not invoke the traditional withdrawal process during the semester. In extreme situations where the student may be seriously incapacitated, verbal or written communication from the student, a spouse/significant other, parent/guardian, colleague, etc. addressed to the Registrar may be used to initiate this process in place of a first-person narrative. If a retroactive withdrawal is being requested only from certain courses in a semester, the narrative must address why the extenuating circumstances did not impact all courses.

Appropriate Documentation: The student must supply objective, third-party documentation that corroborates the circumstances detailed in the student's narrative. Common forms of documentation include notes from a physician or mental health professional (on official letterhead), obituaries or other evidence of a family emergency, police report, eviction notice, etc. A statement of support from the student's academic advisor or student success professional must also be included.

Petition for Retroactive Withdrawal: The student must complete and sign the Petition for Retroactive Withdrawal to be submitted to the Office of the Registrar along with the narrative and appropriate documentation.

Review Process As appropriate, the review committee will be composed of representatives from the Office of the Registrar, Academic Advising, Student-Athlete Support Services, a faculty member; and an Associate Dean. The faculty member and the Associate Dean will rotate annually. The committee is chaired by the Registrar. Prior to each review, the chair of the committee will request the following documentation; a statement from the faculty member teaching the course from which the student is requesting a retroactive withdrawal and a report from financial aid regarding the student's aid status and a potential implication if the withdrawal is approved. The committee will hold a standing weekly meeting following the official withdrawal deadline to review retroactive withdrawal requests submitted during that week. Each appeal is evaluated based on the student's request and documentation, to determine if a retroactive withdrawal is warranted. Decisions are guided by institutional policies and consider potential implications on financial aid and academic standing. Once a decision is reached, it is communicated to the student in writing, with an explanation of any conditions or recommendations if the appeal is granted.

If a student's petition for a retroactive withdrawal is denied by the Committee, they may submit an appeal in writing to the Provost (or their designee) within five business days of the decision.

Provost (or their designee) shall notify the student and the Retroactive Withdrawal Committee in writing of the final decision within five business days of receiving the student appeal request unless special circumstances make that impossible. The Provost (or their designee) is the final arbiter of the Retroactive Withdrawal Policy and its application.

Grade Change Policy

An instructor may submit a Change of Grade only due to miscalculation or clerical error of the original grade. A change of grade for incomplete

work is also acceptable. All grade changes must be submitted by March 1 (for fall and winter semesters) or October 1 (for spring and summer semesters). All grade changes must be approved by the Department Chair (form can be obtained from the Registrar's Office).

Grade Replacement Policy

Undergraduate students may have the option of replacing a grade in a course by retaking the course. The grade replacement policy is subject to the following conditions:

- For any one course this grade replacement option may only be used once. Also, credit for a repeated course may be used only once.
- This policy can be applied to a maximum of four different courses.
- For purposes of GPA calculation, the grade earned during the first course enrollment will stand until the recording of the final grade in the second enrollment is completed. When the second enrollment is completed, the grade for that second enrollment will become the grade used in all GPA calculations regardless of whether the grade earned is higher or lower than the grade obtained during the first enrollment.
- The transcript will record both course enrollments and the grade earned in each enrollment. The first attempt will be marked with an X to indicate grade replacement (e.g., XF, XD, XC).
- In the case of multiple attempts to achieve a passing grade in any one course, the X grade will apply only to the first attempt. The grades from all other attempts will be included in GPA calculations, which is consistent with the current policy.
- Students will not be allowed to apply the grade replacement policy to a course in which there has been documented academic dishonesty that has not been reversed on appeal.
- The grade from the first attempt will continue to stand for those students who withdraw with a W or WP grade from the course during the second attempt. The grade for withdrawing with a WF during the second attempt will be an F for the course. Any type of withdrawal will count as one of the four allowed attempts.

A student who wishes to apply for grade replacement should petition the Undergraduate Advising Office. Petitions must be filed by the end of the Add/Drop period in the term in which the student will complete the second attempt. The Director of Undergraduate Advising will review all applications, and may deny permission in cases where repeating a course will delay appropriate progress toward completion of the student's academic program. A student may appeal the decision to deny a second enrollment to the department chair responsible for his or her primary academic program.

Academic Grievance Procedures

The Academic Grievance Process should begin with a good-faith effort for resolution between the student and professor. If the student is not satisfied with the resolution reached with the faculty member, they may initiate the Academic Grievance Process no more than 30 days following the date the grade in question was published. The student must present the case in writing, with supporting evidence, to the Department Chair of the faculty member involved. The Department Chair will then make a judgment, after consultation with both the faculty member and the student, in an attempt to bring the matter to resolution.

If the student is not satisfied with the resolution of the department chair, the student may then submit the grievance to the Associate Dean or Dean of the relevant College for further review. The Associate Dean or Dean will confer with the department chair, faculty member, and student as needed and issue a determination.

If the student is not satisfied with the resolution at the Associate Dean/Dean level, the grievance will be forwarded immediately to the Academic Grievance Committee for review. The committee will have the authority to make a recommendation for disposition of the grievance to the Provost. The Provost will review the committee's recommendation and make the final decision on the grievance.

The form for initiating an Academic Grievance can be obtained from the Registrar's Office.

Academic Integrity Policy

A student's education is the result of individual initiative and industry. Students certify that any and all class submissions, assignments, reports, etc. are their own original work. Each Bryant student, accordingly, understands that to submit work that is not their own violates University policy as well as personal integrity. A high standard of conduct in academic experiences is expected of each student.

The academic community, therefore, does not tolerate any form of "cheating" – the dishonest use of assistance in the preparation or submission of outside or in-class assignments. Violations of this policy are subject to disciplinary action.

Violations of Academic Integrity include but are not limited to:

- plagiarism (including self-plagiarism) in any form;
- copying from another student's examination, term paper, homework or lab report or any other class submission;
- inappropriate use of sources (e.g., cellphones) during a quiz or exam, etc.;
- intentionally missing a quiz or exam, etc. to gain an unfair advantage;
- submitting the same or substantially similar paper or assignment in more than one course without permission of the instructors;
- unauthorized use of AI-writing tools or programs, and/or the permitted use of such tools without appropriate attribution or citation;
- falsification or invention of data;
- unauthorized use of the work of others including unauthorized collaboration;
- misappropriation of examination materials or information;
- giving illicit aid on exams, papers, or projects or any other class submissions.

Lack of knowledge of the above is unacceptable as an excuse for dishonest efforts.

Procedures and Penalties

A student must be informed of any accusations of an Academic Integrity violation. The procedures for handling Academic Integrity violations are as follows:

1. For cases involving conduct in a particular class:

Instructors have the explicit responsibility to take action in alleged Academic Integrity violations if the incident occurs with respect to a particular course. The instructor may penalize the student up to and including failure in the course and consequent expulsion from the class. Prior to reporting, the instructor must inform the student in person or in a synchronous virtual meeting of the academic dishonesty incident

and any penalty. If the instructor has made a good faith effort to reach the student without success, a notification via email will suffice. The instructor must file a written report with the department chair and the undergraduate advising office (through the Banner system or equivalent) detailing the nature of the Academic Integrity violation and any penalty imposed.

If a potential incident occurs in the Academic Testing Center (ATC), information about the behavior suggesting an Academic Integrity violation will be provided by the staff of the ATC to the instructor teaching the relevant course. The instructor will assess whether a violation has occurred and, if so, follow the procedures outlined in the previous paragraph.

The student may appeal the instructor's decision to the appropriate department chair (or equivalent), then to the dean of the respective college (or equivalent). This chair and dean appeal process can result in any of the following outcomes:

- To sustain the instructor's decision.
- To overturn the instructor's finding of Academic Integrity violation and/or penalty.
- To impose additional sanctions beyond those imposed by the instructor, including, but not limited to, placing the student on probationary status, or recommending to the Provost that the student be suspended or dismissed from the university.

If the student accepts the decision of the chair or dean, the chair or dean will file a report with the undergraduate advising office detailing the final disposition of the incident.

If the issue cannot be resolved by the aforementioned steps, the student may request an appeal hearing with the Academic Integrity Board.

2. In all other cases, any member of the Bryant University community may report an alleged violation of the Academic Integrity policy directly to the dean (or equivalent) of the respective college (or equivalent).

Record keeping:

A record of **all** academic integrity violations shall be maintained by the undergraduate advising office or the equivalent. If the same student is involved in multiple violations of the academic integrity policy (which have been sustained if appealed), these incidents will also be included in the student's conduct record maintained by the Student Affairs Division.

Incremental sanctions for multiple instances of academic dishonesty

A record of **all** academic integrity violations shall be maintained by the undergraduate advising office or the equivalent. If the same student is involved in multiple violations of the academic integrity policy (which have been sustained if appealed), these incidents will also be included in the student's conduct record maintained by the Student Affairs Division.

Academic Integrity Board:

Composition:

1. Five faculty members appointed by the Provost (with no more than 2 faculty members from any college, school, or equivalent).
2. Two students appointed by the Provost. Eligible students include those:
   a. in good academic standing,
   b. with no previous academic integrity violations, and
   c. without a disciplinary record.
3. A representative from Student Affairs appointed by the Vice President of Student Affairs.
4. The Associate Provost or designee as a non-voting member.

A quorum of the committee consists of at least three voting members.

The board charge is two-fold:

1. To hear appeals from students accused of violating the academic integrity policy who are unsatisfied with their initial appeals to the department chair and dean.
2. To review multiple academic integrity policy violations by the same student for potential incremental sanctions.

For student appeals:

The appeal process could result in one of the following outcomes:

- To overturn the instructor's decision and remove any penalty imposed.
- To sustain or amend the instructor's findings and/or sanction.
- To place the student on Academic Integrity Probation, which can include exclusion from award eligibility (including dean's and president's list), and/or activities such as study abroad, honors societies and programs, and/or athletics.
- To suspend the student from the University for a period of time
- To recommend expulsion of the student from the University to the Provost.

Triggered review for multiple violations:

An automatic review of the student's conduct is triggered when the same student is involved in more than one Academic Integrity violation (which have been sustained if appealed), this review will occur at a hearing held as expeditiously as reasonably possible, but no later than the second week of the semester following the second (or more) violation.

During such a hearing, the Academic Integrity Board will consider whether the facts and circumstances of the multiple violations warrant further sanction. In making this determination, the board will also consider the student's disciplinary record (if any) maintained by the Division of Student Affairs.

The committee may impose incremental sanctions as follows:

- To require the student to complete university-approved education related to the violations.
- To place the student on Academic Integrity Probation, which can include exclusion from award eligibility (including dean's and president's list), and/or activities such as study abroad, honors societies and programs, and/or athletics.
- To suspend the student from the University for a period of time.
- To recommend expulsion of the student from the University to the Provost

The student will be invited to the hearing of the board before further sanctions are imposed. If the student, with notice, does not appear at the Hearing, the information related to the Academic Integrity violations shall still be presented and considered.

The multiple Academic Integrity violations will also be reported to the Student Affairs division for inclusion in the student's conduct record.

Appeals of decisions of the Academic Integrity Board

1. A decision reached at an Academic Integrity Board hearing may be appealed by the student(s) to the Provost within five (5) business days of the decision. Such appeals shall be in writing.

2. Unless the appeal is on the basis of new information, an appeal shall be limited to a review of the hearing and supporting documents for one or more of the following purposes:

a. To determine whether the Academic Integrity Board Hearing was conducted fairly in light of the violations and information presented, and in conformity with prescribed procedures. Deviations from designated procedures will not be a basis for sustaining an appeal unless significant prejudice results.

b. To determine whether the sanction(s) imposed were appropriate for the academic integrity violation which the student was found to have committed.

c. To consider new information, sufficient to alter a decision or other relevant facts not brought out in the original hearing, because such information and/or facts were not known to the person appealing at the time of the original hearing.

3. If an appeal is granted by the Provost, he or she has the right to make the following decisions based on the appeal hearing:

a. to accept and enforce the original sanction given to the accused student;

b. to make the original sanction more stringent;

c. to lower or lessen the original sanctions; or

d. order a new hearing for the accused.

The Provost shall notify the student and the Academic Integrity Board in writing of his or her final decision within five business days of receiving the student appeal request unless special circumstances make that impossible.

Advanced Standing

Bryant University awards up to 30 credits for scores of 3 or higher on some of the Advanced Placement (AP) tests available through the College Board. Each AP exam must be reviewed and approved by Bryant's Office of Admission. Bryant University will consider granting up to 12 credits for a limited number of subject examinations available through the College Level Examination Program (CLEP). Credit may also be awarded to students who have successfully completed military service schools as qualified by *A Guide to the Evaluation of Educational Experience in the Armed Services*. There are testing fees associated with several advanced placement tests.

Students who have significant, relevant work experience may also satisfy certain course requirements through departmental testing programs. Challenge Exams are available to students who believe they have acquired, through employment and/or independent study, the knowledge and skill that is equivalent to a Bryant University catalog course. To sit for a "challenge examination" a student must apply through the appropriate department chair and pay the associated fees.

Recognizing the strength and quality of the curriculum offered by the International Baccalaureate Program, Bryant University grants advanced standing credit for acceptable higher-level exams with a score of 5, 6, or 7. Bryant awards up to 30 credits based on the particular curriculum requirements. Incoming freshmen students can transfer in a maximum of 30 credits for any combination of the following: Advanced Placement exams, International Baccalaureate Program with acceptable higher-level exams, College Level Examination Program and credit earned and appearing on a college or university transcript with a 'C' or better.

Attendance and Make-up Policy

The university expects the academic experience to take priority over all other activities. However, because of the unique nature of each course, teaching style, course objectives, student situations, and performance needs, the class professor is in the best position to determine fair and reasonable attendance and make-up policies for their course. The professor's attendance and make-up policies shall be clearly defined in the course syllabus.

While professors have wide latitude in determining attendance and/or class participation policies, they are expected to make reasonable accommodations for students to make-up missed exams or assignments under documented circumstances such as:

- The student is away from campus attending an official University function or is representing the University in an official capacity (e.g. professional meeting, conference, as a member of a judging team, academic or athletic competitions, etc.)
- Required military duty as certified by the student's commanding officer.
- Jury duty
- Illness or injury sufficient to prevent class attendance.
- Death or serious illness in the family

In situations requiring prolonged medical or crisis absences for more than 5 days, the student/proxy should contact the Registrar's Office and they will be referred to the appropriate support professional who will collect supporting documentation. Students are not required to distribute documentation to faculty for this absence. The Registrar's Office will be notified from the support professional to communicate to the student's faculty and academic advisor confirming a temporary medical absence. A temporary medical absence may extend for 6 to 14 calendar days away from academic responsibilities. Students are required to communicate with the faculty member regarding the best plan of action upon their return.

Academic Program: Declaration of Major

All undergraduate students are required to officially declare a major/concentration by the end of the second regular term of their sophomore year. Students in the College of Humanities and Social Sciences and the College of Behavioral and Health Sciences also must declare their required business minor (see individual program requirements for exceptions to this general policy). Students in the College of Business must declare their required minor in either the College of Humanities and Social Sciences or in the College of Health and Behavioral Sciences.

To officially declare, a student must submit a Major/ Minor Declaration for Undergraduate Students through their Banner Self-Service/Degree Works account. It is recommended that they meet with their academic advisor to ensure the feasibility of the proposed Major/Minor program.

A student who does not complete the official process of declaring their major/concentration or required minor will have a registration hold placed on their Banner account in the fall of their junior year. This hold prevents

registration for spring term courses until the declaration process is completed.

Double Major or Concentration

Students in good academic standing may choose to develop a double major or concentration. To do so, the student must satisfy the degree requirements for both majors/concentrations. This may mean that students will need to take courses beyond the 120-hour degree program requirement. Students must complete an online "Major/Concentration Declaration Form for both majors or concentrations through their Banner Self-Service/Degree Works.

Dual Baccalaureate

At the undergraduate level, students must take the equivalent of a full year of study beyond the first baccalaureate degree to earn the second degree. Eligible students are those students in good standing. In order to pursue a dual degree, the student must officially declare with the Registrar's office by the end of his/her sophomore year in consultation with his/her assigned academic advisor. To be awarded two baccalaureate degrees, the student must satisfy the program requirements for both degrees and complete 30 credit hours beyond the first degree for a minimum total of 150 credits.

Limitation Period for Degree Candidates

Degree requirements are normally to be completed within four years, although students may take up to five years. Additional time, up to 10 years from the date of matriculation, may be granted upon formal request to the Executive Director of Student Success Programs and Undergraduate Advising. Students who have been withdrawn for more than two consecutive regular terms are designated as former students. Former students must reapply through the Admission Office and must meet all course, distribution, and quality requirements in effect at the time of reentry.

Leave of Absence

Bryant University allows for Official Leave of Absence in the following categories: Personal Leave and Medical Leave. Students may apply for a leave of absence for a period of up to two regular terms.

Personal Leave of Absence: Students who are requesting a leave for personal reasons, financial concerns, academic exploration, or off-campus study opportunities that are not recognized by Bryant University, are on Personal Leave of Absence. A student wishing to take a personal leave of absence should contact the Office of the Registrar to begin the process of taking an official leave of absence. In order to return to the University upon completion of the official leave of absence, a student must contact the Office of the Registrar to begin that process. Students who are granted an Official Leave of Absence during a term will be dropped from all courses if it is within the Add/Drop period or withdrawn from all classes with a course grade of "W" if it is before the withdrawal deadline (see the Academic Calendar); grades of "WD" will be applied to all incomplete classes after the deadline. This drop does not impact the student's grade point average.

Medical Leave of Absence: To receive a Medical Leave of Absence, a student must have a consultation and signature from either Bryant Counseling Services or Health Services, or in the event of an unforeseen medical event, a doctor's note indicating the student will be unable to complete the term. Additionally, the student (or official designee) will need to fill out an application for Official Leave of Absence form from the Office of the Registrar. A student who takes a Medical Leave of Absence will receive no academic credit or academic penalty for the term. Students who are granted an Official Leave of Absence during a term will be dropped from all courses if it is within the Add/Drop period or withdrawn from all classes with the grades of "WD" will be applied to all incomplete classes after the deadline. This drop does not impact the student's grade point average.

Upon completion of the Official Leave of Absence, in order to return to the University, students will be required to contact the Office of the Registrar to complete a Reentry form.

Withdrawing From Bryant

Students are considered active and responsible academically unless they withdraw formally from the University. All undergraduate students who plan to withdraw from Bryant University are required to notify and complete an official withdrawal through the Registrar. At that time, the student will complete an exit interview and be advised about their obligations to the University. The withdrawal form can be processed immediately or at the end of the term and the student's intent to withdraw will be communicated to the appropriate offices. After the tenth week of the term, students will be graded according to the University Grading Policy. Additional future registrations and housing will be canceled.

Residency Requirement

All matriculating students at Bryant must complete the last 30 credits (10 courses) of their degree requirements at Bryant. If a student lives a considerable distance from the University so as to preclude commuting, he/she may petition the Director of Undergraduate Advising to complete no more than the last six credit hours at an approved institution. None of this work may be in the student's area of concentration, and only one of the two courses may be in the business area. The petition will be considered for approval provided that the student has matriculated for at least 30 credit hours, and has no more than six credits remaining to meet the distributive requirements, and otherwise meets the standards of academic progress. The University is prepared to accept up to 92 semester hours credit in transfer from a four-year institution and up to 62 semester hours credit from a two-year community college or institution. Courses that are transferred are for credit only and are not calculated into the grade point average (GPA). Students who have reached junior standing (62 credits passed) may not transfer credits from a junior college.

Business Credit Hours

At least 50 percent of the business credit hours required for the business degree must be earned at Bryant University. This statement applies to both the residency requirement and limits on transfer credits.

Limits on Transfer of Credits

In addition to meeting the residency requirements, students will be eligible to receive transfer credit, subject to the distributive requirements of the degree program that the student expects to pursue at Bryant University. Upper division professional courses are not eligible for transfer credit unless they have been taken at the appropriate level at an acceptable institution. Professional courses that are not transferable may be acceptable through validation. The University follows a policy that only those courses that carry a grade no lower than a "C" will be evaluated for possible transfer.

Academic Standards of Progress

The academic standards of progress measure a student's advancement toward meeting the grade point average requirements for a degree.

Requirements for a degree include a minimum grade point average of 2.0 in three categories:

1. major/concentration
2. minor and
3. overall [cumulative].

To be eligible for a degree, a candidate must have completed the required number and distribution of courses and have met the other requirements of the University.

Policy of Walking in Commencement Ceremony

A student may participate in only one commencement ceremony for the conferral of a bachelor's degree. A student in good standing who is scheduled to complete all their academic degree requirements and all other obligations to the University by the end of summer term in a given academic year is eligible to walk in the May Commencement Ceremony of that academic year. A diploma will not be presented, however, until all university obligations are met.

A student who will complete their degree requirements in a subsequent academic year is not eligible to walk in the May Commencement Ceremony.

Academic Standards of Performance AND Progress -

Academic performance is calculated and posted on the grade report and transcript. For full-time students, the academic performance is calculated at the end of the fall and spring terms. For part-time students, this will occur at the end of the spring term each year. Academic performance is posted on the transcript and grade report according to the following levels. Academic standing for students on Warning, Probation 1, and Probation 2 will be reviewed after every semester, including summer and winter. Any positive adjustments to students' academic standing will be made accordingly.

President's List/Dean's List

A full-time student who has a GPA of 3.50 or better for at least 12 semester hours of work in a semester will be named to the Dean's List. Those who achieve a term GPA of 4.00 are designated as President's List recipients. Dean's List and President's List for traditional, full-time students is calculated each term after final grades have been submitted and the standards of progress have been processed. These designations appear on the student's official transcript.

A part-time student who has a GPA of 3.50 or better in both the fall and spring terms combined will be named to the Dean's List at the end of the academic year. Those who achieve a 4.00 in the academic year are designated as President's List recipients. Dean's List and President's List for part-time students are calculated at the end of the spring term each academic year after final grades have been submitted and the standards of progress have been processed. (Note: Special terms are included in the 4.00 calculation while at Bryant.) These designations appear on the student's official transcript.

A student who receives an "I" or "NA" grade for a term is not eligible for Dean's or President's List. Once a final grade is recorded, the student's eligibility will be reviewed for possible inclusion on the Dean's List or President's List.

Graduation Honors

Special recognition at graduation is accorded those who show distinction in academic achievement. Latin Honors (*cum laude, magna cum laude*, and *summa cum laude*) may be awarded on the basis of cumulative averages as follows: *Cum Laude* (with honors - GPA of 3.5), *Magna Cum Laude* (with high honors - GPA of 3.65), and *Summa Cum Laude* (with highest honors - GPA of 3.85-4.00). GPA is truncated, not rounded, at the hundredths place. Students must have completed 60 semester hours of coursework at Bryant University to be eligible for honors.

Academic standing

Academic Standing Category	Definition	Term GPA	Cumulative GPA
GOOD	The student is in good academic standing.	2.00 or better	2.00 or better
WARNING	The student has achieved a term GPA below 2.00 but has a cumulative GPA greater than or equal to a 2.00	Below 2.00	2.00 or better
PROBATION 1	This indicates that the student has entered the first phase of academic difficulty with a cumulative GPA less than 2.00. All first-year students on probation are required to take BRY 100: Pathways to Success.	N/A	Below 2.00
PROBATION 2	The student, on Probation 1, has made "satisfactory" progress toward the degree by earning a term GPA greater than or equal to 2.0; however the cumulative GPA remains below 2.0.	2.00 or better	Below 2.00
DISMISSAL	This occurs when the student has been through Probation 1 or 2 without having raised the cumulative GPA to a 2.0 or better.	N/A	Below 2.00

DISMISSAL POLICY and PROCEDURES

This occurs when the student has been through Probation 1 or 2 without having raised the cumulative GPA to a 2.0 or better.

The student is academically dismissed from the University; and in general the student is required to take one regular term leave of absence. Students on dismissal status are not eligible to enroll for courses at Bryant University. This includes winter and summer terms.

Immediate Appeal Process

A dismissed student who believes there are extenuating circumstances surrounding his or her academic standing can apply for a hearing with the University Committee on Scholastic Standing (UCSS). Successful appeals most often relate to special circumstances within a term that clearly caused the student to be distracted or incapacitated. These typically include significant medical issues (physical/mental), family crises, or legal issues. Other successful appeals involve demonstration of improved performance with supportive letters from University faculty or staff.

Documentation for such appeals should be primarily from professional sources such as physicians, therapists, clergy, attorneys or educators. In documenting the death of a relative or close friend, documentation should include a funeral or obituary notice. All documentation must be verifiable.

If the UCSS denies a hearing for an immediate appeal, the dismissed student can apply for a hearing to the Provost or his/her designee. If the Provost grants a hearing for an immediate appeal, the student will no longer have any recourse with the UCSS. If the Provost denies a hearing for an immediate appeal, the dismissed student is required to take a term leave from Bryant University.

If the immediate appeal to the UCSS is granted, students must appear before the UCSS to apply for reinstatement. Students must provide evidence that their academic performance will be significantly improved upon their reinstatement.

If reinstatement is denied, the student may appeal the decision to the Provost or his/her designee and will no longer have any recourse with the UCSS.

If reinstatement is approved and the student fails to achieve the conditions specified by the committee, the student will be permanently dismissed from Bryant University.

REINSTATEMENT PROCESS FOR STUDENTS RETURNING AFTER A REGULAR TERM AWAY

Dismissed students returning after up to three regular terms away from Bryant must appear before the UCSS to apply for reinstatement. Students must provide evidence that their academic performance will be significantly improved upon their reinstatement. Suggested evidence would include grades from courses taken while away and a detailed plan outlining steps for academic success.

If reinstatement is denied, the student may appeal the decision to the Provost or his designee and will no longer have any recourse with the UCSS.

If reinstatement is approved and the student fails to achieve the conditions specified by the committee, the student will be permanently dismissed from Bryant University.

Those dismissed students who are petitioning to return after being away from Bryant for more than two academic years must reapply to the University through the Transfer Admission Office.

Note Well: Students on dismissal status from Bryant University are NOT eligible to enroll in classes at the University for any term.

Students who are eligible to appeal their dismissal status may enroll in the winter or summer terms on a non-matriculated basis.

Grades earned by students while on a non-matriculated basis will be posted to the transcript, but will not be averaged in the GPA calculation.

The student's GPA calculation and academic status will remain unchanged until such time as the student is readmitted to the University and has met any and all conditions set forth by the University Committee on Scholastic Standing or the Provost.

Academic Renewal Policy

A student who has been academically dismissed or who has withdrawn from the University with a cumulative grade point average which places the student in the Dismissal category may apply for readmission under the provisions of the Academic Renewal Policy no less than 5 years later. This option is available only one time to qualified students. Grades of "C" or better, previously earned at Bryant University, will be treated as transfer credits when applicable. Academic recognition will not be granted for a combined total of more than 61 credits of course work earned at Bryant University or transferred to Bryant University. Eligible students must apply for readmission to both the Office of Admission and the University Committee on Scholastic Standing (UCSS).

Academic Performance in Major/Concentration Chart

The Academic Standards of Progress for Cumulative GPA in Major/Concentration have been established as a warning system to alert students to any deficiencies in their academic progress and to provide a vehicle for corrective action.

Academic Standards for Cumulative GPA in Major/Concentration Courses

Credits Attempted in Major/Concentration	Major/Concentration GPA	Academic Performance
3 - 6	Less than 2.0	Unsatisfactory Progress in Major/Concentration
7 - 12	Less than 2.0	Deficiency in Major/Concentration
More than 12	Less than 2.0	Dismissal from Major/Concentration
Degree Program Completed	Less than 2.0	Degree Deficient

Rights and Responsibilities of Students

The rights of freedom of speech, association, thought, and privacy of the Bryant University student are the same as the rights of any other citizen. However, as a member of the University community, the student accepts certain responsibilities when he or she comes to Bryant University.

While it is impossible to list every right and responsibility, some of the more important ones are included here. Questions or concerns in this area should be directed to the Dean of Students.

Student Records

Students' academic records are maintained by the University and are a private matter between the student and the University.

Disciplinary records are held separately from academic records and are maintained solely for the use of the University. All disciplinary records are maintained by the Dean of Students. These records are not forwarded outside the University, except with the permission of the student or by judicial order. Academic records are maintained permanently.

Access to all records is limited. The guidelines and procedures for gaining access are stated under "Privacy Rights of Students."

Privacy Rights of Students

In accordance with the Family Educational Rights and Privacy Act of 1974 (FERPA), an individual enrolled at Bryant University is listed as an eligible student and any rights previously accorded to parents under the Act are transferred to the student.

Information contained in the educational record of the student may not be released without the student's written consent, except as indicated in the Act.

1. The Bryant University student has the right to inspect and review those records, files, documents, and other materials that contain information directly related to the student and which are maintained by the University, but with the following exceptions:
    a. Records of institutional, supervisory, and administrative personnel, and educational personnel that are in the sole possession of the maker, and that are not accessible or revealed to any other person except a substitute.
    b. Records that are created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional.
    c. Confidential letters and statements of recommendation that were placed in the educational records prior to January 1, 1975.
    d. Records maintained solely for law enforcement purposes.
    e. Parents' financial records and related parental financial information.
2. Who has access to records.
    a. The student (former or present) upon presentation of proper identification.
    b. Other University officials, including faculty within the University or local educational agencies who have been determined by the responsible official to have legitimate educational interest.
    c. Officials of other schools in which the student seeks to enroll, upon condition that the student is aware of the transfer, receives a copy of the record if desired, pays the appropriate fee, and has the opportunity to challenge the content of the record.
    d. Authorized government officials as described in the Act.
    e. Authorities to whom request for financial aid has been made.
    f. State and local officials or authorities specifically required by the Act.
    g. Authorized organizations conducting studies on behalf of educational agencies, provided such studies do not disclose personally identifiable materials.
    h. Accrediting organizations.
    i. Parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954.
    j. Authorized persons, if the knowledge of such information is necessary to protect the health or safety of the student or other persons.
    k. Compliance with judicial order or subpoena – the student to be notified in advance of compliance.
3. Other than the routine in-office use of the record, the purpose for requesting access must be indicated.
4. The University maintains records in many media including but not limited to handwriting, print, tapes, microfilm, microfiche, and computer disks.
5. Policy on Review, Appeal, and Expungency of Record:
    a. Upon receipt of a written request to review the record, an appointment will be arranged.
    b. In the event that some item is challenged by the student, an appeal may be made, described by the particular office (e.g., in the case of an academic item, after meeting with the appropriate academic Dean, the matter may be pursued to the University Committee on Scholastic Standing for its recommendation to the Provost).
    c. A favorable decision on the appeal would result in the item being expunged.
6. Copies of Records:
    a. The student, upon payment of a $5 fee per item, may obtain a copy of his or her academic transcript generated by the University.
    b. Copies of records generated from other institutions must be secured from such institutions subject to their policies.
7. Student Directory Information:
    a. Name, address, e-mail address, telephone listing, date, and place of birth.
    b. Major field of study and class schedule.
    c. Participation in officially recognized activities and sports, including weight and height of members of athletic teams.
    d. Dates of attendance.
    e. Distinguished academic performance, degrees and awards received, including dates.
    f. Most recent previous educational agency or institution attended.
    g. Photographic view or electronic images.
    h. Unless the student requests to the contrary, all the above directory information may at the discretion of the University be published or disclosed as appropriate. A request not to publish must be made annually in writing to the Office of the Registrar within two weeks of the start of the fall semester.
8. The privacy of Bryant students and their parents is protected under the authority of the Family Educational Rights and Privacy Act of 1974 (P.L. 93-380) as amended (P.L. 93-568), also known as the Buckley Amendment.
9. Waivers:
    a. The University cannot require eligible students to waive their rights.
    b. A student may waive the right of access to confidential statements submitted on or after January 1, 1975.
        i. A student has the right to know the names of all persons making confidential recommendations. Such recommendations are used solely for the purpose for which they were intended.

ii. Waivers may not be required as a condition for admission to, receipt of financial aid from, or receipt of any other services or benefits from such agency or institution of the University.

Accommodations for Students with Disabilities

Bryant University is committed to providing students with disabilities equal access to the university's programs, services, and activities. The University provides reasonable accommodations for qualified individuals with disabilities in accordance with the Americans with Disabilities Act (ADA), the Americans with Disabilities Act Amendments Act of 2008 (ADAAA), Section 504 of the Rehabilitation Act of 1973 (Section 504), and all other applicable federal and state laws.

Students must request accommodations through Bryant's Office of Accessibility Services (OAS -- accessibilitysvcs@bryant.edu). Requests are reviewed on a case-by-case basis to determine individual barriers to access and reasonable accommodations. The review begins with an online registration form, followed by an intake meeting with a member of the OAS staff.

Students who request an accommodation due to disability may be required to share medical information that documents disability with OAS staff. In some cases, this may require the student to sign a release to allow appropriate university staff to speak with medical care professionals. Bryant will protect and maintain the privacy and confidentiality of any medical information of its students obtained in connection with the determination of reasonable accommodations.

Freedom of Association

There are a number of student organizations at the University and students are free to join those of their choice. Student organizations desiring recognition by the University must submit to the Office of Campus Engagement and the Bryant University Student Government a proposal that includes a statement of purpose of the organization, a list of interested Bryant students, a constitution, and the name of a Bryant faculty or staff member who will serve as advisor to the group. In order to be considered for recognition by the University, all organizations must state in their constitution that membership is open to all interested students and that all organization meetings are open to the Bryant community. (The procedure for requesting recognition as a student organization can be found in The Student Handbook.)

Right to Petition

The University recognizes the right of a student or student group to initiate petitions for the consideration and action of student organizations, faculty, or the administration. Normally these petitions should be transmitted through the Student Government to the appropriate office. The University reserves the right to refer any petition that has not come through the Student Government to the Student Government for consideration and recommendation.

Freedom of Speech

Bryant University supports the right of the students to traditional freedom of speech. However, each student is expected, in the exercise of these freedoms, to weigh the possible consequences of his or her actions, especially those that involve conduct that might interfere with or infringe upon the rights of others.

Freedom to Protest

Students have the right to protest. However, it is the responsibility of the University to ensure the continuation of the educational process and to share responsibility with its community for personal safety and the protection of property. No student or group of students has the right to prevent any member of the University community from performing his or her appointed duties. The University cannot condone any action that usurps or infringes upon the freedom or the rights of others, be they students, faculty, administrators, or the general public.

Interviews on Campus

Bryant University assists students in furthering their careers. The Amica Center for Career Education coordinates the on-campus interview program for Bryant University, using the online job board system Bryant Career Connection (BCC), which is available to all students. Students can apply to opportunities posted by employers, and if selected by the employer, schedule an interview through BCC. The University subscribes to the open recruitment policy, which permits any legitimate corporation, business, government agency, nonprofit organization, educational institution, or military services to interview students. The interviews fall well within the meaning of free speech, free movement, free choice of employment, and shall not be subject to interference, restriction, or harassment by any individual or group.

Rules and Conditions of Enrollment and Rights Reserved by the University

1. An offer of admission is made to a student with the condition that he or she remains in good standing at the institution at which he or she is currently enrolled. The program of study in which he or she is engaged at the time of his or her admission must be completed to the satisfaction of Bryant University. Any change in such a program without the approval of the University or a failure to maintain a grade level acceptable to Bryant in any subject will be considered sufficient cause for review and possible revocation of the offer of admission.
2. Bills for tuition and room and board must be paid no later than scheduled due dates.
3. Students seeking to change between traditional and nontraditional student status should do so through the Undergraduate Advising Office. A request to change will be considered in response to a written student appeal that gives reasons for requesting the change and cites other activities that compete for study time. If a change is allowed, no further request will be entertained.
4. All students are responsible for damages to University property caused by their malicious or careless conduct including the University-leased laptop distributed to them.
5. Bryant reserves the right to reject any application and to dismiss without refund any student who does not comply with its rules and regulations.
6. The University reserves the right to refuse to issue a transcript of the record of any student who has not fulfilled all financial obligations due the University.
7. Students withdrawing from Bryant should file a withdrawal form with the Office of the Registrar and make an appointment with the Undergraduate Advising Office. Financial adjustments, if any, and academic standing will be determined in light of the date and reason for this official withdrawal.
8. When leaving the University, students are required to remove all personal property. At time of withdrawal/dismissal, the University-

leased laptop and backpack must be returned. Any malicious or careless damage outlined in the laptop contract will be automatically charged to the student's account.

9. The University makes every effort to protect the personal property of students, but it does not hold itself responsible for losses due to carelessness or to causes over which it has no control.
10. Bryant University reserves the right to modify its tuition rates, to staff courses, to rearrange courses and class hours, to cancel courses scheduled, and to discontinue academic programs as the University deems appropriate.
11. Residence halls are closed and there is limited dining services during Thanksgiving, winter break, spring holidays, and at such other times as the University deems necessary.

In accordance with the Student Right-to-Know and Campus Security Act of 1991, Bryant University policies and statistics regarding crime on campus may be obtained, upon request, from the Office of Admission.

Smoking Policy

There is a no-smoking policy in effect which significantly limits areas where smoking is permitted.

Components of Undergraduate Baccalaureate Degrees

The curriculum structure of each degree program comprises in varying degrees of these elements.

General Education Requirements:

General Education Requirements (p. 25)

Bryant University's General Education Program is the cornerstone of a Bryant education. The Program welcomes our newest members into our scholarly community; sets the foundation for success inside and outside the classroom; and cultivates the qualities of character, resilience, teamwork, and leadership vital to career growth and membership in a healthy, democratic society. Using the lens of the United Nations Sustainable Development Goals (UN SDGs) to engage with the problem of Social Impact, the General Education Program provides students with a range of coherent, interdisciplinary, and experiential opportunities to develop the cognitive, affective, and behavioral skills essential to making sense of the world and their ability to contribute to improving it. Students explore the challenges facing their communities and world through engagement with one or more of the 17 SDGs in different ways in each of the courses in the Program.

Business Core Requirements

The business core provides the student with an in-depth view of the various functional areas of business and a broad business perspective. The business core consists of an introductory course and courses selected from these business areas:

- Accounting
- Information Systems
- Finance
- Management
- Marketing

Business Minor Requirement

A business minor is required in all degree programs in the College of Humanities and Social Sciences. Students may choose from the menu of available business minors. The business minors develop basic business knowledge and skills to provide a foundation for entering a career directly following his/her undergraduate education.

A business minor is required in all degree programs in the College of Health and Behavioral Sciences except students who are majoring in Healthcare Informatics, who can choose a business, arts and sciences, or health & behavioral sciences minor. Students may choose from the menu of available business minors. The business minors develop basic business knowledge and skills to provide a foundation for entering a career directly following his/her undergraduate education.

Liberal Arts and Health & Behavioral Sciences Minor Requirement

Business programs are enhanced by a minor in the liberal arts, emphasizing the importance of developing the whole student. A liberal arts or health and behavioral sciences minor is required in all business administration degree programs in the College of Business. Students may choose from the menu of available liberal arts or health and behavioral sciences minors. All students in the Bachelor of Science in International Business program are required to complete a language minor.

Major or Concentration Requirement

In addition to studying a major, students can opt to include a concentration in a complementary field of study. For example, a biology major may choose a concentration in Psychology or some subject area. Concentrations typically require a 6-course sequence. Specific requirements can be found on various department websites.

Business, Liberal Arts, and College of Health and Behavioral Sciences Minors

Business, Liberal Arts, and School of Health and Behavioral Sciences minors provide students with an opportunity to use elective courses to develop additional depth and coherence in a specific area of business or liberal arts. Minors (p. 207)

- Business minors include:
  - Accounting, Business Administration, Entrepreneurship, Finance, Global Supply Chain Management, Healthcare Management & Strategy, Information Systems, International Business, Leadership and Talent Management, Marketing, Marketing Analytics, Sales, and Team and Project Management.
- Liberal arts minors include:
  - Africana/Black Studies, Applied Statistics, Arts and Creative Industries, Communication, Economics, Global Studies, History, Language Studies: French, Italian, Spanish, Latin American and Latina/Latino Studies, Legal Studies, Literary and Cultural Studies, Literature, Mathematics, Media and Cultural Studies, Political Science, Professional and Creative Writing, Sociology and Anthropology, Spanish for Health Sciences, and Women, Gender, and Sexuality Studies.
- Health and Behavioral Sciences Minors Include:
  - Biology, Biotechnology, Chemistry, Environmental Science, Forensic Science, Health and Wellness, Nutrition, Psychology, Strength and Conditioning, and Sustainability and Climate Action
- Students can also take the Applied Artificial Intelligence minor. This minor **cannot** be the primary minor.

Electives

Elective courses are selected from a wide range of disciplines to complement the major or concentration and provide students the flexibility to pursue other areas of interest, including additional minors or dual majors or concentrations. Electives are designated as liberal arts electives or open electives. Students must select courses in the liberal arts disciplines to fulfill a liberal arts elective requirement. Open electives can be met by selecting courses from either the Business, Liberal Arts or College of Health and Behavioral Sciences disciplines.

General Education Program

General Education Program Description:

Bryant University's General Education Program is the cornerstone of a Bryant education. The Program welcomes our newest members into our scholarly community; sets the foundation for success inside and outside the classroom; and cultivates the qualities of character, resilience, teamwork, and leadership vital to career growth and membership in a healthy, democratic society. Using the lens of the United Nations Sustainable Development Goals (UN SDGs) to engage with the problem of Social Impact, the General Education Program provides students with a range of coherent, interdisciplinary, and experiential opportunities to develop the cognitive, affective, and behavioral skills essential to making sense of the world and their ability to contribute to improving it. Students explore the challenges facing their communities and world through engagement with one or more of the 17 SDGs in different ways in each of the courses in the Program.

The General Education Program Requirements Overview and approved course listings:

The backbone of coursework in the first year at Bryant is a series of one-credit courses that prepare students to master college and beyond:

- **Student Success at Bryant (GEN 100)** : A course designed to help new students make the transition from high school to college with topics that track the student experience over their first semester.
- **The Bryant IDEA (IDEA 101)** : An immersive program that emphasizes experiential learning and an understanding of the innovation process.
- **Career Launch (GEN 103)** : A course that provides students the opportunity to learn and practice lifelong career development and Career management skills.

In the first two years at Bryant, students also take twelve courses drawn from across the university, giving every student a foundation in critical methodologies and approaches to inquiry of disciplines across the university. Throughout the curriculum students hone their communication skills through writing assignments, oral presentations, and digital projects. In some cases, there is a dedicated, single course and in some cases, students choose from a list of eligible courses.

- **Writing (GEN 106)** : This writing intensive course strengthens student mastery of written communication. This course counts only toward the General Education requirement.
- **Mathematics (MATH 110 and MATH 201)** : Students must complete two courses to strengthen their Mathematical skills **MATH 110** & **MATH 201.** These courses count only toward the General Education requirement but may be prerequisites for courses required for majors, concentrations, and minors.
- **Economics (ECO 113 and ECO 114*)** : All students complete Microeconomic Principles (**ECO 113**). All College of Business students complete Macroeconomic Principles (**ECO 114**), while ***College of Arts and Sciences and School of Health and Behavioral Sciences students have a choice between taking Macroeconomic Principles (ECO 114) or a second 200-level Social Science course as detailed below. These courses can count for the General Education requirement, as well as for requirements for majors, concentrations, and minors.
- **Social Science (One 200-level from approved listing*)**: All students complete one course at the 200-level in: Language Studies, Legal Studies, Political Science, Psychology, or Sociology & Anthropology from the approved listing. These courses can count for the General Education requirement, as well as for requirements for majors, concentrations, and minors. *College of Humanities and Social Sciences and the College of Health and Behavioral Sciences students have a choice between taking Macroeconomic Principles (**ECO 114**) or taking a second 200-level Social Science course in Language Studies, Legal Studies, Political Science, Psychology, or Sociology & Anthropology. College of Business students are not required to take a second Social Science course.

Approved Social Science Courses:

HIS ST201	Special Topics in Native American History	3
LGLS 230	Introduction to the U.S. Legal System	3
LS 275	How Language Works	3
POLS 240	Contemporary Problems and Policy Responses	3
POLS 241	Introduction to International Politics	3
POLS 256	Introduction to U.S. Politics	3
POLS 290	Honors Politics of the International System	3
POLS 291	Honors Contemporary U.S. Politics	3
PSY 260	Introduction to Psychology	3
PSY 263	Honors: Core Concepts in Psychology	3
SOAN 251	Principles of Sociology	3
SOAN 253	Honors Sociology	3
SOAN 242	Principles of Anthropology	3
SOAN 243	Honors: The Anthropology of Globalization	3

- **Introduction to Arts and Creative Industries (ACI 220)** : Students choose from one of three types of creative production (visual art, creative writing, performing arts) for this course (ACI 220). This course can count for the General Education requirement, as well as toward requirements for majors, concentrations, and minors.
- **Introduction to Business (BUS 100):** Students must complete BUS 100. This course counts only toward the General Education requirement.
- **Science (One Science Course and Lab from approved listing)**: Students complete a science lecture course and a lab, both from a list of available courses that count toward General Education. These courses can count toward the General Education requirement, as well as for requirements for majors, concentrations, and minors.

Approved Science Course and Lab Listing:

SCI 251 & SCI L251	Biology I Principles of Biology and Biology I Laboratory	4
SCI 262 & SCI L262	Physical Geology and Physical Geology Laboratory	4
SCI 264 & SCI L264	Physics I Introductory Physics and Physics I Laboratory	4
SCI 265 & SCI L265	Introductory Chemistry I and Introductory Chemistry I Laboratory	4

SCI 269 & SCI L269	Climate Change and Climate Change Laboratory	4
SCI 351 & SCI L351	Ecology and Ecology Laboratory	4
SCI 352 & SCI L352	Exercise Physiology and Exercise Physiology Laboratory	4
SCI 355 & SCI L355	Energy Strategies for a Sustainable World and Energy Strategies for a Sustainable World Lab	4
SCI 356 & SCI L356	Introduction to Biotechnology and Biotechnology Laboratory	4
SCI 371 & SCI L371	Human Impact on the Global Environment and Human Impact on the Global Environment Lab	4

- **History (One 200-level course from approved listing)**: Students complete one 200-level course from a list of available courses that count toward General Education. These courses can count toward the General Education requirement, as well as for requirements for majors, concentrations, and minors.

Approved History Courses

HIS 250	Emergence of Europe (1000-1600)	3
HIS 252	Europe: 1500 to 1815	3
HIS 261	History of the United States to 1877	3
HIS 262	History of the United States Since 1865	3
HIS 263	American Women's History	3
HIS 270	World History to 1500	3
HIS 271	World History Since 1500	3
HIS 272	Introduction to Latin American History	3
HIS 273	History in the World Today	3
HIS ST200	Special Topics in History Modern American Civil Rights Movement	3
HIS ST201	Special Topics in Native American History	3
LS 271	Understanding Contemporary Asia	3

- **Literary and Cultural Studies (One 200-level course from approved listing):** Students complete one 200-level course from a list of available courses that count toward General Education. These courses can count toward the General Education requirement, as well as for requirements for majors, concentrations, and minor.

Approved Literary and Cultural Studies Course Listing:

LCS 221	Studies in Fiction	3
LCS 222	Studies in Nonfiction	3
LCS 223	Studies in Poetry	3
LCS 224	Introduction to Hip-Hop Culture	3
LCS 230	Introduction to Film Studies	3
LCS 240	Introduction to the Environmental Humanities	3
LCS 250	Women, Gender, and Sexuality Studies	3
or WGS 250	Women, Gender, and Sexuality Studies	
LCS 251	Studies in Drama	3
LCS 260	Introduction to Philosophy	3
LCS 270	Introduction to Cultural Studies	3

- **Intercultural Communication (GEN 201)** : Students must complete GEN 201. This course counts only toward the General Education requirement.

Finally, after all the courses above have been completed, students take one final General Education course:

- **Capstone (GEN 390)** : An experiential course (GEN 390) that integrates skills honed across the curriculum, understanding of the SDGs, and grasp of the innovation process to tackle a real-world problem in cooperation with a partner from the community or beyond. This course counts only toward the General Education requirement.

University General Education Degree Requirements

Required Courses:

GEN 100	Student Success at Bryant University	1
IDEA 101	Bryant IDEA: Innovation and Design Experience For All	1
GEN 103	Career Launch	1
GEN 106	Writing Workshop	3
GEN 201	Intercultural Communication	3
ACI 220	Introduction to Arts and Creative Industries	3
BUS 100	Introduction to Business	3
ECO 113	Microeconomic Principles	3
ECO 114	Macroeconomic Principles (Required for COB students. CAS and SHBS students will take ECO 114 or an additional Social Science Course)	3
MATH 110	Mathematical Analysis	3
MATH 201	Statistics I [1]	3
or MATH 202	Biostatistics	
or MATH 203	Sports Statistics I	
Social Science Course: One 200-level Social Science Course from approved listing.		3
Science Course: One 200- or 300-level Science Course and associated Lab from approved listing.		4
History Course: One 200- level History Course from approved listing.		3
Literary and Cultural Studies: One 200- level LCS course from approved listing.		3
GEN 390	General Education Capstone	3

[1] Biology Majors: Pre-Health and Environmental Track and Health Science Majors can take MATH 201, but MATH 202 is strongly recommended. MATH 203 is not an option for these majors.

A total of 43 credit hours is required for the General Education Requirements.

APPROVED SOCIAL SCIENCE COURSES LISTING:

Students must take 1 Social Science Course. CAS and SHBS students will take two, if they chose not to take ECO 114, but they must be in different disciplines.

LGLS 230	Introduction to the U.S. Legal System	3
LS 275	How Language Works	3

POLS 240	Contemporary Problems and Policy Responses	3
POLS 241	Introduction to International Politics	3
POLS 256	Introduction to U.S. Politics	3
POLS 290	Honors Politics of the International System	3
POLS 291	Honors Contemporary U.S. Politics	3
PSY 260	Introduction to Psychology	3
PSY 263	Honors: Core Concepts in Psychology	3
SOAN 242	Principles of Anthropology	3
SOAN 243	Honors: The Anthropology of Globalization	3
SOAN 251	Principles of Sociology	3
SOAN 253	Honors Sociology	3

APPROVED SCIENCE COURSE AND LAB LISTING:

SCI 251 & SCI L251	Biology I Principles of Biology and Biology I Laboratory	4
SCI 262 & SCI L262	Physical Geology and Physical Geology Laboratory	4
SCI 264 & SCI L264	Physics I Introductory Physics and Physics I Laboratory	4
SCI 265 & SCI L265	Introductory Chemistry I and Introductory Chemistry I Laboratory	4
SCI 269 & SCI L269	Climate Change and Climate Change Laboratory	4
SCI 351 & SCI L351	Ecology and Ecology Laboratory	4
SCI 352 & SCI L352	Exercise Physiology and Exercise Physiology Laboratory	4
SCI 355 & SCI L355	Energy Strategies for a Sustainable World and Energy Strategies for a Sustainable World Lab	4
SCI 356 & SCI L356	Introduction to Biotechnology and Biotechnology Laboratory	4
SCI 371 & SCI L371	Human Impact on the Global Environment and Human Impact on the Global Environment Lab	4

APPROVED HISTORY COURSES LISTING:

HIS 250	Emergence of Europe (1000-1600)	3
HIS 252	Europe: 1500 to 1815	3
HIS 261	History of the United States to 1877	3
HIS 262	History of the United States Since 1865	3
HIS 263	American Women's History	3
HIS 270	World History to 1500	3
HIS 271	World History Since 1500	3
HIS 272	Introduction to Latin American History	3
HIS 273	History in the World Today	3
HIS ST200	Special Topics in History Modern American Civil Rights Movement	3
HIS ST201	Special Topics in Native American History	3
LS 271	Understanding Contemporary Asia	3

Approved Literary and Cultural Studies Course Listing:

LCS 221	Studies in Fiction	3
LCS 222	Studies in Nonfiction	3
LCS 223	Studies in Poetry	3
LCS 224	Introduction to Hip-Hop Culture	3
LCS 230	Introduction to Film Studies	3
LCS 240	Introduction to the Environmental Humanities	3
LCS 250	Women, Gender, and Sexuality Studies	3
or WGS 250	Women, Gender, and Sexuality Studies	
LCS 251	Studies in Drama	3
LCS 260	Introduction to Philosophy	3
LCS 270	Introduction to Cultural Studies	3

General Education Program Sequence:

The sequence of courses will usually take the following pattern, though students in some majors may find that a different sequence is more appropriate, and students will work with their advisors to find the solution best for them.

First Year

First Semester		**Credit Hours**
GEN 100	Student Success at Bryant University	1
GEN 106	Writing Workshop	3
BUS 100	Introduction to Business	3
MATH 201, 202, or 203[1]	Statistics I	3
History Course: One 200-level History Course		3
	Term Credit Hours	**13**
Second Semester		
IDEA 101	Bryant IDEA: Innovation and Design Experience For All	1
(January)		
GEN 103	Career Launch	1
ACI 220	Introduction to Arts and Creative Industries	3
ECO 113	Microeconomic Principles	3
Social Science Course - 200- level course		3
	Term Credit Hours	**11**

Second Year		
First Semester		
ECO 114 (or Second Social Science Course depending on degree program.)	Macroeconomic Principles	3
(or Second Social Science Course depending on degree program)		
MATH 110	Mathematical Analysis	3
Literary and Cultural Studies Course: One 200 -Level LCS Course		3
	Term Credit Hours	**9**
Second Semester		
GEN 201	Intercultural Communication	3
Science Course: One 200- or 300- level Science Course and Lab		4
	Term Credit Hours	**7**
Third Year		
First Semester		
GEN 390 (Can be taken in Second Semester as well.)	General Education Capstone	3
	Term Credit Hours	**3**
	Total Credit Hours:	**43**

[1] Biology Majors: Pre-Health and Environmental Track and Health Science Majors can take MATH 201, but MATH 202 is strongly recommended. MATH 203 is not an option for these majors.

Courses

GEN 100. Student Success at Bryant University. 1 Credit Hour.
This course explores the concept of quality higher education and provides students with skills and strategies they need during their college experience. Students learn the importance of adaptability, accountability, and resiliency skills, and have opportunities to practice these skills. Students will also develop a deeper understanding of the importance of diversity, equity, inclusion and belonging at Bryant University. Students engage in discussions, activities, multimodal assignments, and co-curricular events that enhance their understanding of making a successful college transition. The course encourages students to claim their education through a focus on the processes of learning and cultivating a growth mindset for lifelong success. Together, faculty and students address the question of "what makes a student succeed in college?".
Session Cycle: Every Semester.

GEN 103. Career Launch. 1 Credit Hour.
This one-credit 15-week course will introduce and provide students the opportunity to learn and practice lifelong career development and career management skills. Students will explore and participate in the career development process through class discussion, in-class activities, and take-home assignments. Topics covered will strengthen personal career identity, teach practical career planning tools and strategies, and contribute to each student's drive to complete their degree with enthusiasm.
Prerequisites: GEN 100
Session Cycle: Spring
Yearly Cycle: Annual.

GEN 106. Writing Workshop. 3 Credit Hours.
In the Writing Workshop, students will engage collaboratively as a community of writers, emphasizing the dynamic nature of writing as a process to produce substantial, highly polished writing projects. This course is designed not only to improve students' writing skills but also to enhance their understanding of writing's impact in real-world contexts. Through inquiry, revision, and reflection, students will explore the potential of writing for social impact and change. Students will engage with the conventions of different rhetorical situations while exploring diverse genres, modes, and texts to develop their unique voices and perspectives. Writing Workshop cultivates creativity and critical engagement with the world through writing.

GEN 201. Intercultural Communication. 3 Credit Hours.
This course examines communication in the intercultural setting--both domestic and international. The goals of this class are to develop perspectives about the influence of culture on the sending and interpreting of messages, discover the complexity of communication in an intercultural exchange, develop a reflective process for improving the analysis of intercultural exchanges, and recognize the influence of our own cultural situation upon the sending and interpreting of messages. Emphasis will be given to diversity in everyday interactions as well as diversity in the workplace. This course satisfies the general education requirement for Intercultural Communication. This course is not applicable to the Communication major or minor.

GEN 390. General Education Capstone. 3 Credit Hours.
This experiential course completes the General Education program by integrating students' skills honed across the curriculum, students' understanding of the SDGs, and students' grasp of the innovation process to tackle a real-world problem.
Prerequisites: GEN 106; ECO 113, MATH 201, MATH 110; IDEA 101; HIS 2XX; LCS 2XX; SCI 2XX or SCI 3XX with the LAB; GEN 201; BUS 100; Students must have completed all other General Education requirements.

UNDERGRADUATE DEGREE PROGRAMS

Bryant has built its reputation on educating business professionals and leaders.

The COLLEGE OF BUSINESS offers the following degree programs.

With a traditional **Bachelor of Science in Business Administration (BSBA)** degree, you can concentrate in any of these areas: Accounting (p. 31) | Digital Marketing (p. 77) | Finance (p. 43) | Financial Services (p. 43) | Global Supply Chain Management (p. 49) | Healthcare Management & Strategy (p. 69) | Information Systems (p. 52) | Management: Leadership and Talent (p. 69) **(p. 69)**| Managerial Accounting and Finance (p. 31) | Marketing (p. 77) | Management: Team and Project Management. (p. 69)

You may major in **Bachelor of Science in Data Science (BSDS) (p. 36).**

You may major in **Bachelor of Science in Entrepreneurship (BSEN)**

For those more globally focused, you may pursue a **Bachelor of Science in International Business (BSIB) (p. 59)** with a concentration in Accounting | Digital Marketing| Finance | Global Supply Chain Management | Information Systems | Management: Leadership and Talent | Marketing | Management: Team and Project Management. Please note that these programs have different requirements than those of the BSBA concentrations - click on the "Majors" tab of the International Business Program page for specific requirements.

Business programs are enhanced by a minor in the liberal arts, emphasizing the importance of developing the whole student. All students in business administration are required to complete a minor in either the College of Humanities and Social Sciences, or in the College of Health and Behavioral Sciences. However, the Healthcare Management and Strategy Concentration ***is required*** to fulfill the business core and minor in the College of Health and Behavioral Science in either Biology, Biotechnology, Health & Wellness, or Nutrition.

The COLLEGE OF HEALTH AND BEHAVIORAL SCIENCES offers five undergraduate Bachelor of Science degrees:

Biology: Tracks in General Biology, Pre-Med/Pre-Health, and Environmental Biology (p. 115)| Exercise & Movement (p. 117)Science: Tracks in Applied Exercise and Coaching and Healthcare Provider Prep | Health Sciences: Tracks in General Health Sciences, Neuroscience, and Nutrition (p. 122) | Health Informatics (p. 124)| Psychology (p. 128)

All College of Health and Behavioral Sciences students complete a business minor and may elect to take additional business courses. *

*Healthcare Informatic students can choose a minor from the College of Business or College of Humanities and Social Sciences.

The COLLEGE OF HUMANITIES AND SOCIAL SCIENCES offers two degrees:

A **Bachelor of Science** with majors in Actuarial Mathematics (p. 179) | Applied Mathematics and Statistics (p. 180) | Business Economics (p. 168) | Communication (p. 142)| Digital Communication (p. 143) |

A **Bachelor of Arts** with majors in Arts and Creative Industries (p. 160) | History (p. 162) | Literary and Cultural Studies (p. 163) | Politics and Law (p. 190) | Sociology and Anthropology (p. 197) | Spanish (p. 144) | Sports Industries, Media and Promotion. (p. 141)

All Humanities and Social Sciences students complete a business minor and may elect to take additional business courses.

Interdisciplinary Program:

Bachelor of Science in Applied Artificial Intelligence (BSAI) (p. 203)

Students in the Bachelor of Science in Applied Artificial Intelligence must take an approved concentration and a minor should be in college that is outside of their chosen concentration

College of Business

Bryant has built its reputation on educating business professionals and leaders. An impressive array of business specialties offers the depth and breadth of a large, premier business school combined with the individual attention that is a Bryant hallmark.

Undergraduate Degree Programs

The College of Business offers four business degree programs.

The **Bachelor of Science in Business Administration** offers concentrations in accounting, digital marketing, finance, financial services, global supply chain management, healthcare management and strategy, information systems, leadership and talent management, managerial accounting and finance, marketing, and team and project management. The **Bachelor of Science in International Business** with concentrations in accounting, digital marketing, finance, global supply chain management, information systems, leadership and talent management, marketing, and team and project management. There is a **Bachelor of Science in Data Science and a Bachelor of Science in Entrepreneurship.** All academic programs focus on developing key skills such as working in and leading groups, communicating effectively, solving problems innovatively and improving proficiency with technology.

Business programs are enhanced by a minor in the liberal arts, emphasizing the importance of developing the whole student.

All students in business administration are required to complete a minor in either the College of Humanities and Social Sciences, or in the College of Health and Behavioral Sciences, emphasizing the importance of developing the whole student. Liberal arts minors (p. 207)

Mission

We prepare socially responsible thinkers, leaders, and innovators for successful professional careers within the global business community.

Our strategic priorities are informed by the following statements that serve to amplify our mission and values:

- We prepare thinkers by offering a broad and multidisciplinary knowledge base, with in-depth content in one or more specific business disciplines. The business degree experience is focused on the application of foundational theory in business settings. In addition, we develop students' critical-thinking skills and ability to grapple with problems at a systemic level.
- We prepare leaders by cultivating the development of interpersonal skills and character. The curriculum provides students with numerous opportunities to learn about and practice leadership and collaboration skills, in small and large group settings, and with for-profit and non-profit organizations. In addition, students are encouraged to avail themselves of the many opportunities for exposure to global, socio-economic, and cultural perspectives; to develop mentoring relationships with faculty; and to mentor fellow students as opportunities arise.
- We prepare innovators by presenting students with challenging business issues that allow them to apply their skills to real problems. The curriculum offers opportunities for students to develop creative business solutions, providing them with the necessary tools to successfully adapt to changes in the global business environment.

Learning Goals

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION (B.S.B.A.)

The Bachelor of Science in Business Administration (B.S.B.A.) program has the following learning goals:

1: Graduates of the Bryant Bachelor of Science in Business Administration program shall demonstrate leadership skills by (1) having the ability to work in and/or lead groups of individuals from diverse backgrounds and (2) having the ability to communicate effectively.

2: Graduates of the Bryant Bachelor of Science in Business Administration program shall (1) have the ability to develop innovative solutions to complex problems and (2) have the ability to use information technology to analyze and solve business problems effectively.

3: Graduates of the Bryant Bachelor of Science in Business Administration program shall be aware of ethical business practices and shall have a personal philosophy for making ethical business decisions consistent with that of an individual of character.

4: Graduates of the Bryant Bachelor of Science in Business Administration program shall demonstrate a fundamental cultural knowledge of the world based on an understanding of, and an appreciation for, differences in ways of life based on differences in cultural norms, practices, beliefs.

5: Graduates of the Bryant Bachelor of Science in Business Administration program shall have an understanding of fundamental business processes.

6: Graduates of the Bryant Bachelor of Science in Business Administration program shall demonstrate competency in their chosen discipline.

This list of learning goals derives from the College of Business mission and aligns with the Bryant University mission. The learning goals represent educational objectives that have been translated into measurable learning outcomes for the Bachelor of Science in Business Administration program.

Graduates of the B.S.B.A. program can thus be characterized as prepared by their professional and liberal arts education to assume positions of leadership in an international business culture in which they demonstrate creative, responsible decision making, an informed sensitivity to social and ethical issues, and a humane, intelligent understanding of current business practices.

BACHELOR OF SCIENCE IN DATA SCIENCE (B.S.D.S.)

The Bachelor of Science in Data Science (B.S.D.S.) program has the following learning goals:

1: Graduates of the Bryant Bachelor of Science in Data Science program shall demonstrate leadership skills by (1) having the ability to work in and/or lead groups of individuals from diverse backgrounds and (2) having the ability to communicate effectively.

2: Graduates of the Bryant Bachelor of Science in Data Science program shall (1) have the ability to develop innovative solutions to complex problems and (2) have the ability to use information technology and analytics methodologies to analyze and solve business problems effectively.

3: Graduates of the Bryant Bachelor of Science in Data Science program shall be aware of ethical business practices and shall have a personal philosophy for making ethical business decisions consistent with that of an individual of character.

4: Graduates of the Bryant Bachelor of Science in Data Science program shall demonstrate a fundamental cultural knowledge of the world based on an understanding of, and an appreciation for, differences in ways of life based on differences in cultural norms, practices, beliefs.

5: Graduates of the Bryant Bachelor of Science in Data Science program shall have an understanding of fundamental business processes.

6: Graduates of the Bryant Bachelor of Science in Data Science program shall demonstrate competency in technology and analytics methodologies.

This list of learning goals derives from the College of Business mission and aligns with the Bryant University mission. The learning goals represent educational objectives that have been translated into measurable learning outcomes for the Bachelor of Science in Data Science program.

Graduates of the B.S.D.S. program can thus be characterized as technologically proficient, accustomed to dealing with rapid rates of change, knowledgeable in the functions of business, cognizant of the impact of technology on business and people, aware of international issues, inventive, curious and appreciative of the world around them.

BACHELOR OF SCIENCE IN ENTREPRENEURSHIP (B. S. En.)

The Bachelor of Science in Entrepreneurship (B.S.EN.) program has the following learning goals:

1. Students will identify, assess, and shape entrepreneurial opportunities in a variety of contexts.

2. Students will learn to work in teams to cultivate creative ideas and solutions for entrepreneurial ventures.

3. Students will apply critical thinking and problem skills supported by appropriate analytical and quantitative techniques to entrepreneurial processes.

4. Students will demonstrate a broad knowledge of all functional areas of business, and an in-depth understanding of one functional area.

5. Students will demonstrate effective communication, cooperation, and leadership skills to assemble and organize people and resources for entrepreneurial endeavors.

6. Students will understand business ethics and issues of social responsibility, sustainability, equity, diversity, and inclusion in entrepreneurial processes.

BACHELOR OF SCIENCE IN INTERNATIONAL BUSINESS (B.S.I.B.)

The Bachelor of Science in International Business (B.S.I.B.) program has the following learning goals:

1: Graduates of the Bryant Bachelor of Science in International Business program shall demonstrate leadership skills by (1) having the ability to communicate effectively in both English and at least one other language and (2) to work in and lead groups of individuals from diverse national, ethnic and cultural backgrounds.

2: Graduates of the Bryant Bachelor of Science in International Business program shall (1) have the ability to develop innovative solutions to complex problems in the global business arena and (2) have the ability to use information technology to analyze and solve business problems effectively.

3: Graduates of the Bryant Bachelor of Science in International Business program shall be aware of ethical business practices domestically and globally and shall have a personal philosophy for making ethical business decisions consistent with that of an individual of character.

4: Graduates of the Bryant Bachelor of Science in International Business program shall demonstrate a fundamental cultural knowledge of the world based on an understanding of, and, an appreciation for, differences in ways of life based on differences in cultural norms, practices, beliefs.

5: Graduates of the Bryant Bachelor of Science in International Business program shall have an understanding of the environment and fundamental business processes, in a global and cross-cultural context.

6: Graduates of the Bryant Bachelor of Science in International Business program shall demonstrate competency in their chosen discipline.

This list of learning goals derives from the College of Business mission and aligns with the Bryant University mission. The learning goals represent educational objectives that have been translated into measurable learning outcomes for the Bachelor of Science in International Business program.

GRADUATE COLLEGE OF BUSINESS DEGREE PROGRAMS

Bryant University has had a graduate business program since 1969. The Graduate College of Business offers a Master of Business Administration, an online MBA, a Master of Business for Healthcare Organizations, a Master of Science in Accounting, a Master of Science in Accounting with a Analytic Specialization, a Master of Science in Accounting with a Tax Specialization, an online Master of Science in Applied AI, a Master of Science in Data Science and AI, and a Master of Science in Taxation-Online. MBA students may specialize their studies in the areas of Business Analytics, Fintech, Global Supply Chain Management, International Business or General Management. The Graduate Business College is expanding its traditional business education to be more global by creating joint partnerships abroad. Its distinguished academic position will be enhanced as the University explores new methods for delivering a Bryant graduate education to students here and abroad.

Department of Accounting

Accounting Concentration

OBJECTIVES:

- To provide education for leadership in the accounting profession.

The way that organizations (both public accounting firms and corporations) conduct business and the role of accountants in organizations has changed dramatically. To be an effective leader in the current business environment, accountants must be knowledgeable in a wide range of disciplines, including finance, management, and marketing.

In response, the accounting profession has undergone its most significant changes in recent history; changes that require enhanced

skills and knowledge for career success. Because accountants need to be business people first, knowledge of accounting must be firmly grounded in an understanding of the complete range of business functions. In addition, accountants must be accomplished communicators.

Bryant's accounting program is designed to meet the challenges posed by such changes. The accounting curriculum provides a flexible program of study relevant to all areas of accounting. Elective courses and internship opportunities permit students to pursue areas of specific career interests. Additionally, through the integration of business and liberal studies, students obtain the knowledge, sensitivities, and skills mandated by an increasingly complex, globally interdependent and technologically sophisticated world.

Bryant's accounting program provides sufficient background for the major professional examinations. In addition, qualified undergraduate students are eligible to take up to two graduate courses during their senior year to get a head start on completing the Master of Science in Accounting (MSA) and MSA with Tax Specialization. Both courses can be applied to their graduate degree, and one course can be applied to their undergraduate degree. MSA enables Bryant undergraduate students to complete the required 150 credits to be certified as a CPA in as little as 4 1⁄2 years.

Managerial Accounting and Finance Concentration

OBJECTIVES:

- To provide education for leadership roles in the management accounting and corporate finance profession.
- Develop the analytical and managerial capabilities necessary for making sound financial decisions, either as a manager of an enterprise or not-for-profit organization.
- Prepare students for career paths involving management accounting and financial decision making.
- Prepare students for internal audit careers.

The way that business and not-for-profit organizations conduct business, and the role of accounting and finance professionals in organizations has changed dramatically. Professionals need to be business people first, with knowledge of accounting and finance firmly grounded in an understanding of the complete range of business functions. To be an effective leader in the current business environment, accounting and finance professionals must be knowledgeable in a wide range of disciplines including accounting, finance, information technology, management, marketing, and decision analysis.

In response, the Institute of Management Accountants has developed a body of knowledge for accounting and finance professionals. This body of knowledge also prepares students for the Certified Management Accountant (CMA) certification, which is the premier professional certification in management accounting and corporate finance.

Bryant's managerial accounting and finance program provides the basic background for the Certified Management Accountant (CMA) program. In addition, students in this program have the flexibility to structure their course of study for the Certified Information Systems Auditor (CISA) certification. Students in this program will also have the opportunity to obtain the Bloomberg certification, if they so desire.

The Managerial Accounting and Finance program is designed to meet the challenges posed by the current more complex business environment. The program curriculum provides a flexible program of study relevant to areas of management accounting, corporate finance, and decision analysis. Elective courses and internship opportunities permit students to pursue areas of specific career interests. Additionally, through the integration of business and liberal studies, students obtain the knowledge, sensitivities, and skills mandated by an increasingly complex, globally interdependent and technologically sophisticated world.

Accounting Minor

To meet the need for undergraduate accounting education, Bryant University initiated the College of Business Accounting Minor in the fall of 2023. The minor provides the theoretical and practical requirements to imbue students with an essential intermediate level of accounting knowledge for use in navigating a complex global marketplace.

Accounting Careers Leadership

Intermediate level of accounting knowledge for use in navigating a complex global marketplace. This course presents a variety of business and accounting-related topics to rising high school seniors during an intensive one-week residential session. Students will learn about the role of business, how to create a business plan, and how accounting can assist in managing a successful business.

Faculty

Department Chair
Tracy Noga

Professor
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Professor
Kwadwo Asare

Professor
David J. Beausejour

Professor
Dennis M. Bline

Professor
Charles P. Cullinan

Professor
Timothy G. Krumwiede

Professor
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Associate Professor
Elena Precourt

Assistant Professor
Muni Kelly

Assistant Professor
Paul Ma

Assistant Professor
Tanzila Upama

Assistant Professor
Sae Young Yoon

Visiting Professor/Lecturer
Gene Kovacs

Lecturer
Melanie Auclair

Lecturer
Jennifer Mier

Lecturer
Stephen Pascarella

Concentration

- **Accounting Concentration (p. 35)**
- **Managerial Accounting and Finance (p. 35)**

Accounting Minor Degree Requirements:

ACG 301	Financial Reporting I
Three 300 or 400 level Accounting Courses [1]	

A minimum of 12 credit hours is required for a minor.

[1] Excludes Accounting 391

Courses

ACG 101. Accounting Careers. 1 Credit Hour.
This course presents a variety of business and accounting-related topics to rising high-school seniors during an intensive one-week residential session. Students will learn about the role of business, how to create a business plan, and how accounting can assist in managing a successful business.

ACG 203. Principles of Financial Accounting. 3 Credit Hours.
This course is designed to serve the needs of both accounting majors and students of other disciplines. As an introductory course, students will understand how fundamental Generally Accepted Accounting Principles drive the creation of financial information. Additionally, common uses of financial information for performance evaluation by internal and external decision-makers will be explored.
Pre/Corequisites: BUS 100
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

ACG 204. Principles of Managerial Accounting. 3 Credit Hours.
This course is designed to serve the needs of both accounting majors and students of other business disciplines. Students will explore how accounting information is used internally by management to determine product/service cost; understand cost behavior; plan, evaluate, and control operations; and make business decisions.
Prerequisites: ACG 203
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

ACG 301. Financial Reporting I. 3 Credit Hours.
This course addresses topics relevant to the financial reporting for creditors, investors, regulatory agencies, and other interested parties. The course emphasizes the conceptual development and application of reporting alternatives.
Pre/Corequisites: FIN 201
Prerequisites: Grade of "C" or higher in ACG 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 302. Financial Reporting II. 3 Credit Hours.
This course addresses topics relevant to the financial reporting for creditors, investors, regulatory agencies, and other interested parties. The course emphasizes topics such as pensions, leases, long-term debt, and stockholders' equity.
Prerequisites: Grade of "C" or higher in ACG 301
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 311. Cost Management. 3 Credit Hours.
This course is designed to reinforce, amplify, and extend some of the management accounting concepts and techniques introduced in ACG 204, Principles of Managerial Accounting. The course provides a basic understanding of various concepts and techniques used to identify, collect, measure, classify, and report information that is useful to managers for: (1) determining the cost of products, customers, suppliers, and other relevant cost objects; (2) planning and controlling; (3) making continuous improvement; and (4) decision making.
Prerequisites: Grade of "C" or higher in ACG 204 or ACG 320 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 315. Advanced Managerial Accounting. 3 Credit Hours.
This is an advanced management accounting course designed for those students who desire to expand their understanding of management accounting or financial management into the use of accounting information to create value in the organization. The course addresses recent innovations in management accounting including the balanced scorecard, strategy maps, strategic cost management for product and customer profitability analysis, lean manufacturing; quality costs, target costing, measuring and managing life-cycle costs, environmental costing, and the design and implementation of management control systems.
Prerequisites: Grade of "C" or higher in ACG 311 and MGT 200
Session Cycle: Fall
Yearly Cycle: Annual.

ACG 320. International Accounting. 3 Credit Hours.
In this course, students will investigate how financial reporting develops differently across geographic boundaries. Students will learn how the use of financial accounting information by different groups causes the focus of financial accounting to differ. They will also learn how different accounting rules will result in significant differences in published financial reports. This course is a required course for International Business majors and may be taken by accounting concentrators as an open elective only.
Prerequisites: ACG 203 and Sophomore Standing
Session Cycle: Spring
Yearly Cycle: Annual.

ACG 345. Accounting Information Systems. 3 Credit Hours.
This course provides students with (1) an understanding of accounting information systems theory and practice, (2) the knowledge to take advantage of new information technologies such as database management systems, decision support systems, expert systems, and telecommunications, (3) the skills to integrate both financial and non-financial information into a corporate information systems schema, (4) an exposure to a wide range of business, accounting, and auditing software packages, (5) the knowledge to assess controls, and (6) an understanding of systems analysis and design.
Pre/Corequisites: Grade of "C" or higher in ACG 301
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 350. Fraud Examination. 3 Credit Hours.
This course examines the causes and consequences of fraud as well as discusses the basic concepts and procedures involved in performing a fraud examination.
Prerequisites: Grade of "C" or higher in ACG 345
Session Cycle: Spring
Yearly Cycle: Annual.

ACG 351. Corporate Taxation. 3 Credit Hours.
In this course, accounting majors are introduced to topics in corporation taxation. Through problems and interpretation of tax law, students examine the taxation of corporations and their shareholders.
Prerequisites: Grade of "C" or higher in ACG 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 352. Individual Taxation. 3 Credit Hours.
This course examines the federal tax structure with an emphasis on the taxation of individuals. Topics covered in this course include income determination, exemptions, deductions, property transaction, and accounting methods. Tax planning opportunities are also explored.
Prerequisites: Grade of "C" or higher in ACG 203 and junior standing
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

ACG 353. Internal Auditing. 3 Credit Hours.
This course provides comprehensive coverage of internal auditing as both an assurance and advisory function within modern organizations. Students explore the International Professional Practices Framework (IPPF), the 2024 Global Internal Audit Standards, governance structures, enterprise risk management, and internal control frameworks including COSO. The curriculum emphasizes practical application through case studies covering operational, financial, compliance, and fraud audits while developing proficiency in data analytics and AI-enabled audit techniques. Students learn to plan, execute, and communicate audit engagements effectively while applying critical thinking and professional judgment to complex business scenarios. This course prepares students for diverse career opportunities in internal audit, risk management, compliance, and executive leadership, offering an attractive alternative to traditional external audit path. Students will gain competencies necessary to earn the Internal Audit Practitioner designation (Part 1 of the Certified Internal Auditor (CIA) designation).
Prerequisites: Grade of "C" or higher in ACG 204 and MGT 201 or MGT201G
Session Cycle: Every Spring Semester.

ACG 370. Personal Financial Planning. 3 Credit Hours.
This course addresses the issues involved in personal financial planning. Topics covered include investment planning, retirement planning, estate tax planning, and income tax planning.
Prerequisites: Grade of "C" or higher in ACG 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 381. Information Systems Controls and Audit. 3 Credit Hours.
This course covers IT auditing concepts applicable to a wide variety of environments. Theoretical constructs to be covered: (1) IT Environments and Components: hardware, software, networks, cloud and IOT. (2) the digital evidence gathering process, (3) IT risk & controls and their effects on the audit process, and (4) the influence of laws and regulations on the usage of IT in organizations. Students will learn about Information technology reviews as part of financial audits and certifications. The course will include applications of auditing of internal control systems, and the use of information technology to conduct various types of audit tests. Students will learn about careers in IT Audit and gain competencies necessary to earn the ISACA IT Audit Fundamentals Certificate.
Prerequisites: Grade of "C" or higher in ACG 204 and ISA 201
Session Cycle: Spring
Yearly Cycle: Annual.

ACG 391. Accounting Internship. 3 Credit Hours.
Supervised employment in an area of accounting that involves application of accounting concepts. Students must work on average ten hours per week, correspond periodically with the professor, and prepare a substantive report of the work experience. Limited to Juniors and Seniors. Approval of professor required.

ACG 442. Auditing Concepts Applications. 3 Credit Hours.
This course presents the basic concepts and procedures associated with an audit of financial statements. Topics covered include auditors' professional responsibilities, risk analysis, the nature and use of audit evidence, and audit data analytics.
Prerequisites: Senior standing and a grade of "C" or higher in ACG 302 and ACG 345
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 445. Data Analytics in Accounting. 3 Credit Hours.
Organizations create and collect massive amounts of data as result of their day-to-day operations. Frequently referred to as "Big Data" it represents an important asset for the organization. Big data presents both opportunities and challenges for accounting professionals. Understanding how to use data to formulate and solve business problems provides an opportunity for the accounting professional to become a forward thinking strategic partner in the organization. It can also help auditors design better risk-based testing procedures. The challenge for accountants is to develop the skill set needed to extract value from big data through advanced analytics. This course will challenge you to think critically about whether and how data can improve business performance, create opportunities, and/or identify risks.
Prerequisites: ACG 301 and ACG 345 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ACG 461. Financial Reporting III. 3 Credit Hours.
This course addresses topics relevant to the financial reporting for creditors, investors, regulatory agencies, and interested parties.
The course emphasizes topics such as business combinations and consolidations.
Prerequisites: Senior standing and a grade of "C" or higher in ACG 302
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 465. Governmental and Not-For-Profit Accounting. 3 Credit Hours.
This course is an introduction to the accounting and financial reporting principles of state and local governments, colleges and universities, hospitals, and other not-for-profit organizations. Students develop an appreciation for the special accounting, budgeting, and reporting needs of these organizations.
Prerequisites: Grade of "C" or higher in ACG 302
Session Cycle: Varies
Yearly Cycle: Annual.

ACG 471. Product/Service Costing. 3 Credit Hours.
This course concentrates on the design and measurement of costs in different types of operating environments. The impact of the new manufacturing environment on cost accounting procedures will also be considered.
Prerequisites: Senior standing and a grade of "C" or higher in ACG 311
Session Cycle: Varies
Yearly Cycle: Alternate Years.

ACG 497. Directed Study in Accounting. 3 Credit Hours.
This course is designed to permit the student to pursue an area of accounting of interest and concern. The work will be performed under the supervision of a faculty member who will design the program of study and the requirements to be met by the student. This course must be approved by the department chair based on the agreed upon plan of study.
Prerequisites: senior standing is required.

Bachelor of Science in Business Administration: Accounting Concentration

Bachelor of Science in Business Administration Degree with an Accounting Concentration Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Accounting Concentration Curriculum Requirements

Accounting Concentration:

Required Courses:		
ACG 301	Financial Reporting I	3
ACG 302	Financial Reporting II	3
ACG 311	Cost Management	3
ACG 345	Accounting Information Systems	3
ACG 351	Corporate Taxation	3
or ACG 352	Individual Taxation	
ACG 442	Auditing Concepts Applications	3
Three Accounting Electives		9
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
BUS 400	Business Policy	3
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3

A minimum of 27 credit hours is required for the concentration.

A minimum of 120 credit hours required for graduation.

Bachelor of Science in Business Administration: Managerial Accounting and Finance Concentration

Bachelor of Science in Business Administration Degree with a Managerial Accounting and Finance Concentration Requirements:

General Education Requirements (p. 25)
University Minor Requirements (p. 207)

Managerial Accounting and Finance Concentration Curriculum Requirements

Managerial Accounting and Finance Concentration

ACG 301	Financial Reporting I	3
ACG 302	Financial Reporting II	3
ACG 311	Cost Management	3
ACG 345	Accounting Information Systems	3
ACG 442	Auditing Concepts Applications	3
FIN 310	Intermediate Corporate Finance	3
FIN 312	Investments	3
FIN 370	Financial Statement Analysis	3
Two Electives (One from Accounting and one from Finance)		6
Electives:		
ACG 315	Advanced Managerial Accounting	3
ACG 351	Corporate Taxation	3
ACG 381	Information Systems Controls and Audit	3
ACG 391	Accounting Internship	3
ACG 445	Data Analytics in Accounting	3
ACG 461	Financial Reporting III	3
ACG 497	Directed Study in Accounting	3
FIN 368	Multinational Finance	3
FIN 391	Finance Internship	3

FIN 460	Merger and Acquisition Finance Theory and Practice	3
FIN 497	Directed Study in Finance	3
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
BUS 400	Business Policy	3
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3

A minimum of 30 credit hours is required for the concentration.

A minimum of 120 credit hours is required for graduation.

Bachelor of Science in Data Science

DATA SCIENCE PROGRAM

Data is a key resource that enables organizations to be effective and remain competitive in today's rapidly changing environment. With the expanding use of the internet, social media, video, sensory data and the internet of things, the volume of structured and unstructured data is growing exponentially. At the same time, technological innovation and the emergence of cloud storage has dramatically driven down the cost of storing the large volume of data that is being generated. Organizations are now keenly aware that they have large amounts of data available to them, that the data is valuable for achieving competitive success and that they need new technologies and techniques to harness the power of their data. Data Science is an emerging field that addresses these needs of organizations.

Data Science is dedicated to the extraction of insights and knowledge from vast amounts of data and translating the knowledge into action to achieve desired outcomes. By nature, data science is multi-disciplinary, drawing from many areas such as mathematics and statistics, information theory and technology, including machine learning, statistical learning, computer programming, data engineering, pattern recognition, visualization, predictive analytics, data warehousing, and high-performance computing.

The Bachelor of Science in Data Science (BSDS) is an interdisciplinary program that is designed to provide students with a strong balance in both the theory and practice of creating knowledge from data that can be used by organizations to take reasoned action and to solve real-world problems. It is based on the belief that students need to do more than acquire basic skill set in the areas described above, they must also be comfortable in their ability as story tellers, to explain the importance of their analysis in ways that can be easily understood by others. To prepare students for a career in data science, students will work on real problems and data during their course of study that are provided by organizations in many different areas including business, nonprofit, health care and sports.

Students with a Bachelor of Science in Data Science Degree will be able to:

- Demonstrate knowledge of programming principles and structured programming.
- Demonstrate the fundamental concepts for acquiring, storing, and processing large amounts of structured and unstructured data.
- Demonstrate knowledge of applying data visualization concepts and principles for effective information communication based on the appropriate audience
- Demonstrate knowledge of cloud computing concepts and its applications.
- Describe the fundamental concepts of managing and utilizing massively large data bases and distributed data processing.
- Demonstrate knowledge of understanding and implementing techniques for solving problems using machine learning and related project pipelines.
- Demonstrate an ability to manage a problem in data science from the point of problem definition through delivery of a solution
- Demonstrate the ability to communicate results of data analysis effectively and provide actionable recommendations to decision makers.

Faculty

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Professor
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Kenneth Sousa

Associate Professor
Chen Zhang

Assistant Professor
Gianluca Bero

Assistant Professor
Geri Louise Dimas

Assistant Professor
Monica (ML) Tlachac

Assistant Professor
Riazat Ryan

Executive in Residence
Thomas Dougherty

Lecturer
Francis Varin

Lecturer
Michelle Varin

Bachelor of Science in Data Science Degree Requirements:

General Education Requirements (p. 25)

Data Science Degree Requirements:		
ISA 210	Introduction to Data Science	3
ISA 221	Introduction to Programming	3
ISA 310	Data Visualization	3
ISA 330	Programming for Data Science	3
ISA 340	Introduction to Machine Learning	3
ISA 341	Database Management System Principles	3
ISA 343	Infrastructure and Cloud Computing	3
ISA 360	Data Warehousing in the Age of Big Data	3
ISA 460	Big Data Analytics	3
ISA 490	Data Science Capstone	3
Two (ISA) Technology Electives (at least 1 must be at the 400 level)		6
Science Requirements		
SCI 373 & SCI L373	Artificial Intelligence and Robotics and Artificial Intelligence and Robotics Laboratory	4
Mathematics Requirements		
MATH 121	Calculus and Analytic Geometry I (Course can be used in place of MATH 110 in Gen Ed)	3
MATH 201	Statistics I (Can double count to meet GEN ED requirement)	3
MATH 226	Linear Algebra	3
MATH 350	Statistics II	3
Business Administration Minor Requirement		
ACG 203	Principles of Financial Accounting	3
ISA 201	Introduction to Information Technology and Analytics	3
FIN 201	Financial Management	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3
Two Non-Business Electives		**6**
Two Business Electives		**6**
Open Elective		3

A minimum of 120 credit hours is required for graduation.

Courses

ISA 201. Introduction to Information Technology and Analytics. 3 Credit Hours.

Information technology has become deeply integrated with every business function. This course covers the role of Information Technology in supporting business process and major enterprise wide strategic initiatives, including Customer Relationship Management (CRM), Enterprise Resource Planning (ERP), Supply Chain Management (SCM), and e-Business. It examines the competitive impact of evolving technologies such as Mobile Computing and Social Networking. The course also covers the social, ethical, and security issues that arise with the use of technology. Various business scenarios/problems are presented to teach students how to use IT to formulate, analyze, and solve problems and to enhance their analytical skills. Students apply what they have learned and compete "team-to-team" in a sponsored course-wide analytical case.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 201G. Introduction to Global Information Technology and Analytics. 3 Credit Hours.

This course will provide a foundation of information technology concepts and application development in a global context. Students are expected to learn how various information technologies can be used to strengthen the business competitiveness globally, how information culture may vary in different countries, and how this variation may impact the adoption of information technologies. Students are expected to learn managerial issues pertaining to development of global information systems. Students will gain experience with database and spreadsheet tools (Access and Excel) which are necessary to be more productive in a global environment.
Prerequisites: BSIB major
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 203. Honors Business Information Technology and Analytics. 3 Credit Hours.

This course introduces students to the key role that information technology plays in business organizations. Major topics include business information systems, information ethics and social issues, security, database fundamentals, telecommunication, e-commerce, m-commerce and traditional and emerging systems development methodologies. Students will also gain experience in developing a functional database application for a business case and then use the data in the database to create spreadsheet analyses to solve business problems related to the different business functions contained in the business case such as finance, marketing and management.
Prerequisites: Honors Program
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 210. Introduction to Data Science. 3 Credit Hours.
This course will introduce students to the field of Data Science and help them gain a foundational understanding of Data Science basic principles and tools as well as an understanding of how Data Scientists contribute to solving meaningful problems across many domains. The concepts, techniques and tools presented in this course will serve as a gateway to more focused courses that lead to becoming an effective Data Scientist. The content of the course will include an introduction to the field of Data Science, what it means to be a Data Scientist, steps in a Data Science project understanding data, data collection and integration, exploratory data analysis, supervised and unsupervised machine learning, text mining, modeling, data product creation, evaluation, effective visualization and communication and ethical issues in Data Science. The focus will be on breadth rather than depth and integration of concepts.
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 221. Introduction to Programming. 3 Credit Hours.
This course introduces computer programming using high level programming languages. The course begins with a review of control structures and data types with emphasis on structured programming, syntax, repetition structures, decision structures, list and array processing. Emphasis is placed on programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. This course also introduces students to the ideas of data abstraction and object-oriented programming. Other topics include simple analysis of algorithms, basic searching and sorting techniques, and an introduction to software engineering issues through code discussions.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 310. Data Visualization. 3 Credit Hours.
This course examines the art and science of data visualization. It explores various visualization techniques and the way that shape, size, color, orientation, and motion influence the way information is comprehended. In this course we will study a wide-range of visualization techniques for creating effective visualizations. We will explore well established visualization techniques using products like Excel and Tableau, techniques that are used for visualizing social network through Gephi, while also pushing the boundaries of visualizations by developing our own using Python. Through class discussions we will discuss appropriateness of the various techniques while trying multiple techniques on the same dataset to explore the effectiveness of visual comprehension.
Prerequisites: ISA 221 or instructor permission, and sophomore standing

Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 311. Introduction to Cybersecurity. 3 Credit Hours.
The rapid growth of IT and our dependence upon it have made it imperative that students understand the importance of security both in the workplace and at home. Smart devices have made our lives more convenient in recent years, however, they have also exposed us to increasing threats as bad actors find new ways of exposing our persona data as well as threatening businesses with ransomware. This course is designed to introduce students to the many aspects of cybersecurity using a hands-on approach in a virtual lab. This course will explore common threats such as SQL injection attacks, cross-site scripting, mobile and wireless security, packet sniffing and spoofing and how to best secure your personal and business assets. Additionally, public and private key security and encryption will be examined.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 320. Information Technology in Supply Chain Management. 3 Credit Hours.
The purpose of this course is to discuss how IT is used to enable supply chain management and to improve the performance of the supply chain. Major topics include the role of IT in the supply chain, enterprise resource planning (ERP), innovative technologies in the supply chain, IT enablers for supply chain performance, and internet-based supply chain and supply chain security. Hands-on exercises in a simulated SAP ERP system and real-world cases will be used in helping students understand course concepts. This course is cross listed with GSCM 320.
Prerequisites: ISA 201 and MGT 201 or MGT 201G
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 330. Programming for Data Science. 3 Credit Hours.
This course is an advanced Python programming course focusing on common programming tools used for Data Science application development with an emphasis on libraries commonly used by Data Scientists (NumPy, Pandas, etc). Data analysts often implement their solutions using programming languages such as R and Python. Because of this, it is critical that the data analyst/scientist be comfortable in such development environments and be able to understand when a solution needs to be programmatically developed. The course covers hands-on programming techniques for analytics which includes web scraping and other data extraction techniques, data transformation, data staging, data analysis, and finally data presentation and visualization. The course will give the students the skills to highlight their capability of producing notebooks appropriate for a data analytics/data science application.
Prerequisites: ISA 221 and sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 332. E Business Models. 3 Credit Hours.
E-Business is doing business activities over an IT platform that uses Internet-related protocols. E-Business activities include not only the business to consumer direct selling over the web but also business-to-business logistics, and all the back-end computer activities within the firm that use Internet protocols. Business organizations are implementing radical changes in the marketing, advertising, and delivery of their products and services. Through the implementation of electronic business technology, organizations are extending their boundaries beyond traditional "bricks and mortar" establishments to a new virtual marketplace that has global reach. Conventional business practices in the areas of advertising, marketing, production, and customer service are being radically transformed by this new platform that permits world-wide connectivity on 24/7 basis.
Prerequisites: ISA 201 and junior standing
Session Cycle: Varies
Yearly Cycle: Annual.

ISA 340. Introduction to Machine Learning. 3 Credit Hours.
This is an introductory course requiring no previous knowledge of machine learning. We focus on using Python, and machine learning libraries such as the scikit-learn library, and work through all the steps to create a successful machine learning application. This course does not focus too much on the math, but rather on the practical aspects of using machine learning algorithms to solve problems such as fraud detection. To ground this course we will supplement machine learning algorithms and techniques with case studies and problems such as: House Price Prediction, Handwritten Character Recognition, Credit Card Fraud Detection, Market Segmentation, Churn Prediction and Drivers, Customer Lifetime Value (CLV) Prediction, Photo Classification, People Identification, Document Classification and more.
Prerequisites: ISA 330 or instructor permission, and sophomore standing

Session Cycle: Every Semester
Yearly Cycle: Annual.

ISA 341. Database Management Systems Principles. 3 Credit Hours.
This course focuses on the principles of database design and application development in a database environment. Topics will include foundations of the database approach, objectives of this approach, advantages and disadvantages of database processing. A major emphasis will be placed on the Relational Database Model and will include techniques for designing and normalizing a Relational Database. Student projects will include developing application software using a database system.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 342. AI Ethics and Data Governance. 3 Credit Hours.
As Artificial Intelligence (AI) has increasingly been integrated across all sectors of society; it is critical to examine the challenges and ethical implications of its widespread use. This course offers a comprehensive exploration of the ethical challenges arising from the practice of AI including principles of privacy, fairness, bias, interpretability, accountability, and governance. Through critical thinking and discussion, students will analyze real-world applications, assess ethical concerns across various AI implementations, and explore how regulatory frameworks and public policies influence ethical practices. By the end of the course, students will have a strong foundation on ethical considerations in AI and be equipped to critically engage in discussions on its ethical use and societal impact.
Prerequisites: ISA201 or AI201 or AI201B
Session Cycle: Every Fall Semester.

ISA 343. Infrastructure and Cloud Computing. 3 Credit Hours.
The computing infrastructure is constantly evolving due to the technological advancement and business needs. This course introduces the hardware, system software, the cloud and their integration to drive and support business. This course also brings together the technical knowledge and managerial knowledge in various class activities to demonstrate computing infrastructure's design, implementation and maintenance. Topics include computer hardware components, operating systems, computer networks, middleware, virtualization and Big Data support.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 345. Web Design and Development. 3 Credit Hours.
This course covers the basic principles of designing and implementing websites, focusing on the client-side technologies of web page creation. No programming background is required, although students will learn some programming through scripting languages. Course topics include web graphics, information structuring, development of interactive pages (using forms and JavaScript), event handling, implementation issues and techniques, web accessibility issues, and use of popular web development tools. Students will learn client side web development technologies such as HTML, JavaScript, jQuery, and Cascading Style Sheets.
Prerequisites: ISA 201
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 350. Decision Making with AI. 3 Credit Hours.
The goal of this course is to help students understand how AI and AI agents support decision making and how AI-based decision systems are designed and built. Students learn the full reasoning pipeline: what a system observes, what options it has, how outcomes are judged and how decisions improve through interaction with an environment. They begin with core principles of decision making, including goals, alternatives, constraints, outcomes, structured comparison and clear decision rules. The course then moves into more advanced models such as Markov Decision Processes, policy thinking, rewards, Bellman reasoning and the exploration versus exploitation trade-off. By the end, students design, implement and evaluate a complete AI-based decision-making solution for a real task. They also explain results with clear reasoning and communication effectively.
Prerequisites: ISA201 or AI201 or AI 201B and Sophomore Standing
Session Cycle: Every Fall Semester.

ISA 360. Data Warehousing in the Age of Big Data. 3 Credit Hours.
The main objective of this course is to provide students with an overview of the design and implementation of distributed, parallel databases that could handle massively large data sets that may include billions of rows of data. The major topic include the introduction of big data and its processing architecture, data warehouse, database components and architecture, data distribution, access, storage and data protection, and database tools and utilities. This course offers practical, hands-on experience with retrieving and manipulating data with advanced Structured Query Language (SQL), Hadoop, and NoSQL database.
Prerequisites: ISA 341
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 391. Information Systems and Analytics Internship. 3 Credit Hours.
ISA internships give students the opportunity for supervised employment in an area where they can apply the information system principles and techniques they have studied through our curriculum. Interns work at least ten hours per week, correspond periodically with a supervising faculty member, and prepare a substantive report on their work experience.
Prerequisites: ISA 221 and ISA 341 and junior standing is required.

ISA 400. Introduction to Deep Learning. 3 Credit Hours.
This course introduces the basic concepts of Neural Networks and Deep Learning. Students will learn the fundamental principles, formulations, underlying mathematics and deep learning implementation details in Pytorch. The course will also explore different deep learning model suitability for different data domains such as text, images and videos to deal with different tasks such as Natural Language Processing, Computer Vision, Decision Making, Healthcare and Financial Applications.
Prerequisites: ISA 340 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 410. Machine Learning with Robotics. 3 Credit Hours.
This course is designed to provide an in-depth understanding of robotics and associated machine learning concepts. It will explore how the industry leverages both open-source and proprietary technologies to build sophisticated robotic systems. Students will engage in hands-on learning, both individually and in teams, through experiments in 3D simulation environments and with actual robotic hardware. They will have the opportunity to work with a diverse range of equipment, including the Turtlebot 3, as well as Softbank Robotics' NAO and Pepper humanoid robots. This course aims to equip students with the knowledge and skills necessary to navigate and contribute to the rapidly evolving field of robotics.
Prerequisites: ISA340 or with permission of instructor. Sophomore Standing
Session Cycle: Every Fall.

ISA 421. Advanced Application Development. 3 Credit Hours.
This course builds on the fundamental programming skills learned in ISA 221. The fundamentals of data types, input and output control structures, methods and objects are presented in the context of the Java programming language. Students will learn to develop Object Oriented server-side applications that mediate between an information source such as a database and client application running in a browser. Modern web application development design techniques and patterns, such as Model View Controller (MVC), are discussed and presented.
Prerequisites: ISA 221
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 441. Systems Analysis and Information Technology Consulting. 3 Credit Hours.
Programming is only a small part of designing information systems. A systems analyst works like an investigative journalist, gathering information about the business problem so that an effective technology solution can be designed and constructed. This course teaches you what to look for and how to find it. You will learn structured techniques and less-structured guidelines which will aid in the search for understanding of the organization, its existing systems, and the proposed system. Programming design techniques are also covered. Teams of students will develop a plan for building a complete computer information system for a real or fictitious company.
Prerequisites: ISA 221 and ISA 341 and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 442. Project Management and Practice. 3 Credit Hours.
This course is intended to provide an introduction to Project Management as it applies to the Information Technology industry. The course will assist analysts, developers, team leaders and managers in developing an understanding of the purpose and benefits of project management by exposure to the concepts, practices, processes, tools, techniques, and resources used by the Project Manager during the project life cycle. The course will closely follow the framework of "best practices" of the Project Management Body of Knowledge, the leading professional standard for project management, with emphasis on its application to software and systems development projects.
Prerequisites: ISA 441 and senior standing
Session Cycle: Spring
Yearly Cycle: Varies.

ISA 445. Advanced Web Programming. 3 Credit Hours.
This course complements skills and content learned in ISA 345 Web Design and Development. The focus of ISA 345 is on browser/end user aspects of web operations while this course focuses on the server/provider aspects. Students will learn to develop server-side applications that mediate between an information source such as a database and the browser-end programs using popular web-application software. An introduction to XML and server side scripting is also presented.
Prerequisites: ISA 345
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ISA 460. Big Data Analytics and AI Applications. 3 Credit Hours.
The rapid growth of social media, the Internet of Things (IoT), and digital transformation has resulted in an unprecedented increase in both structured and unstructured data. Combined with advances in artificial intelligence (AI) and cloud computing, these developments have fundamentally transformed how data is processed and analyzed. This course equips students with the skills needed to store, manipulate, analyze, and visualize large-scale data in distributed computing environments. Students will learn data loading, cleaning, exploration, transformation, model building and tuning, as well as data visualization and communication using big data analytics frameworks and tools. In addition, the course introduces large language models, and the development of AI-powered applications through APIs from leading AI platforms. Students will gain hands-on experience by working with a large-scale, real-world dataset provided by an industry partner, culminating in a professional presentation of analytical insights and recommendations to the organization.
Prerequisites: ISA 340 and ISA 341
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 470. Managing Global Information Resources. 3 Credit Hours.
Information systems provide the framework for decision making across the functional areas of an organization and are major enablers of globalization. This course provides a foundation in the principles and concepts of managing information resources in a global environment. The course focuses on alternative approaches to managing information resources such as computers, communication networks, software, data and information in organizations. Students will learn how multinational corporations are using IT to develop business solutions and obtain competitive advantage. Emphasis will be placed on viewing the organization in a global perspective, with the associated technological, cultural and operational issues that influence information resource management. Several real-world cases will be used to enhance students' understanding of the course materials.
Prerequisites: ISA 201 and junior standing
Session Cycle: Fall
Yearly Cycle: Varies.

ISA 472. IT Security and Risk Management. 3 Credit Hours.
This course explores IT Security from the perspective of risk management. Assessment of IT systems is critical to developing strategies to mitigate and manage risks. This course focuses on effective assessment strategies that ultimately help the student to implement effective and proactive risk mitigation measures and risk management practices. This course focuses on the IT security threat environment, cryptography, securing networks, access control, firewalls, host hardening, application security, data protection, and incident response. A clear theoretical understanding supports a practical component. Students will learn to audit information systems and use contemporary security software including intrusion big data analysis.
Prerequisites: ISA 201 AND one of the following courses: ISA 221, ISA 311, ISA 341, ISA 343 and ISA 345. Junior Standing OR Permission of instructor
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ISA 490. Data Science Capstone. 3 Credit Hours.
To become an expert data scientist students need practice and experience. By completing this capstone project students will get an opportunity to apply the knowledge and skills that were gained throughout this major. This capstone project will test student skills in data visualization, data wrangling, data organization, machine learning, analysis, and presentation. Projects will be drawn from real-world problems and will be conducted with industry, government, and academic partners. During the project, students engage in the entire process of solving a real-world data science project, from defining the problem or opportunity, collecting and processing actual data, selecting and applying state of the art data science techniques to the problem and identifying actionable results. Emphasis will be placed on problem solving via state of the art data science pipelines and practices, and on the ability to "tell a story" using verbal, analytical, written and visualization skills.
Prerequisites: ISA 340 or instructor permission and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 497. Directed Study in Information Systems and Analytics. 3 Credit Hours.
This course provides an opportunity for senior information systems and analytics majors to do independent, in-depth study or research. The student works on an individual basis under the direction of a member of the ISA department. Normally the course requires the student to develop a substantial paper or project.
Prerequisites: Permission of the instructor and department chair approval.

Entrepreneurship Program

Bachelor of Science in Entrepreneurship Degree

Entrepreneurs are agents and catalysts of economic, technological, and social progress that foster economic development and improve the quality of life. An entrepreneurial mindset - which involves being able to identify problems and opportunities, developing creative solutions, assembling resources, and organizing people to successfully create new businesses - is one of the most important skill set to be successful in the new economy of 21th century. In this program students are going to learn these skills as well as the in-depth knowledge of their functional (concentration) areas. Experiential learning will be emphasized throughout the program with courses involving consulting projects and internships with startups, and students will be ready to create a positive change in society either as start-up founders, or as corporate or social entrepreneurs, or as the leaders of their family businesses.

Bachelor of Science in Entrepreneurship Degree Learning Goals:

1. Leadership:

Graduates of the Bryant Bachelor of Science in Entrepreneurship program shall demonstrate leadership skills by (1) having the ability to work in and/or lead groups of individuals from diverse backgrounds and (2) having the ability to communicate effectively.

Objectives:

- 1.1.A. Students will lead teams effectively.
- 1.1.B. Students will work effectively as a member of a work team.
- 1.1.C. Students will recognize the value of different cultures and backgrounds and function effectively in a diverse workplace.

- 1.2.A. Students will demonstrate effective writing for business.
- 1.2.B. Students will demonstrate effective oral communications in business situations.
- 1.2.C. Students will use multimedia to support effective presentations

2. Innovation and Problem Solving:

Graduates of the Bryant Bachelor of Science in Entrepreneurship program shall (1) have the ability to develop innovative solutions to complex problems and (2) have the ability to use information technology to analyze and solve business problems effectively.

Objectives (2.1):

- 2.1.A. Students will demonstrate problem solving skills by using qualitative and quantitative tools.

- 2.1.B. Students will demonstrate critical thinking skills by analyzing complex problems and recommending feasible solutions.
- Objectives (2.2):
- 2.2.A. Students will describe information system concepts and the role of information systems in supporting business processes and strategic initiatives.
- 2.2.B. Students will use information technology to formulate, analyze, and solve business problems

Entrepreneurship Minor

The entrepreneurship minor is designed to give students a working perspective for small to medium-sized enterprises, including the development of new enterprises. This minor helps students cultivate an understanding of entrepreneurship and the traits of entrepreneurial leaders. All enterprises, irrespective of their profit motives, require a sense of entrepreneurialism, including planning and execution skills, people and resource management, long-term strategies and shorter-term objectives, and financing. The entrepreneurship minor is a means of creating that base understanding of enterprise management.

Faculty

Professor
David Beausekpir
Professor, Accounting

Professor
Lori Coakley
Professor, Management

Professor
Michael Roberto
Professor, Management

Associate Professor
Kenneth Sousa
Associate Professor, Information Systems and Analytics

Assistant Professor
Vitor Fernandes
Assistant Professor, Entrepreneurship

Assistant Professor
R. Isil Yavuz
Assistant Professor, Management and Program Coordinator

Bachelor Of Science In Entrepreneurship Degree Curriculum Requirements:

General Education Requirements (p. 25)
University Minor Requirements (p. 207)

Entrepreneurship Core Required Courses:		
ISA 221	Introduction to Programming	3
ENT 280	Creating a New Venture	3
ENT 380	Entrepreneurial Marketing	3
ENT 381	Entrepreneurial Finance	3
ENT 484	Entrepreneurship Practicum	3
Two approved electives (Approved Courses ACG 370, COM 202, ENT 382, ENT 482, ENT 497, ISA 332, MGT 382, MGT 440 / PSY 440, MKT 363, MKT 381, MKT 382 and approved Internships)		6
Specialization: Choose One Concentration Area		
Finance Concentration		
FIN 310	Intermediate Corporate Finance	3
FIN 312	Investments	3
FIN 315	Financial Institutions and Markets	3
FIN 370	Financial Statement Analysis	3
or FIN 371	Archway Financial Statement and Security Analysis	
or FIN 380	Financial Modeling	
or FIN 465	Innovations in Contemporary Finance	
or FIN 466	Data Analysis for Finance	
Two Finance Elective [1, 2]		9
Information Systems Concentration		
ISA 221	Introduction to Programming	3
ISA 341	Database Management System Principles	3
ISA 343	Infrastructure and Cloud Computing	3
ISA 441	Systems Analysis and Information Technology Consulting	3
Two ISA Electives [3, 4]		6
Marketing Concentration		
MKT 311	Consumer Behavior	3
MKT 312	Marketing Research	3
MKT 412	Marketing Policy and Problems	3
Three Marketing Electives [5, 6]		9
Business Core Requirement		
ACG 203	Principles of Financial Accounting	3
ISA 201	Introduction to Information Technology and Analytics	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
LGLS 211	The Legal Environment of Business	3
FIN 201	Financial Management	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3
Liberal Arts Minor Requirement		
Four Courses(selection is made from a variety of liberal arts disciplines) [7]		

1. Can include ENT 381 from the Entrepreneurship Core
2. One must be at the 400-level
3. One must be at 400-level
4. Can include ISA 210 from the Entrepreneurship Core
5. One must be at the 400-level
6. Can include ENT 380 from Entrepreneurship Core
7. Some minors require more than 12 credits

A minimum of 120 credit hours is required for graduation.

University Minor Requirements (p. 207)

Entrepreneurship Minor Requirements

Required Courses:		
ENT 280	Creating a New Venture	3
ENT 380	Entrepreneurial Marketing	3
ENT 381	Entrepreneurial Finance	3

Electives

Select one of the following:		
ACG 370	Personal Financial Planning	3
COM 202	Public Speaking	3
COM 367	Small Group Communication	3
ENT 482	Managing a New Venture	3
ISA 332	E Business Models	3
LGLS 451	International Business Law	3
MGT 356	International Business Management	3
MKT 380	Services Marketing	3
MKT 382	New Product Development	3

A minimum of 12 credits is required for the minor.

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Courses

ENT 280. Creating a New Venture. 3 Credit Hours.
This course introduces students to the process of turning an idea into a new venture. Using design thinking principles, students learn how to identify opportunities, understand customer needs, generate and test ideas, and develop innovative solutions to real problems. Students then evaluate the feasibility of their ideas and learn how to transform them into viable ventures through business models, business planning, financing, and startup strategy. By the end of the course, students move from idea generation to the creation of a new venture.
Prerequisites: BUS 100 and Sophomore Standing.

ENT 380. Entrepreneurial Marketing. 3 Credit Hours.
This course examines key concepts, methods, and strategic issues relevant for start-up and early stage entrepreneurs. It examines the unique challenges facing entrepreneurs including, but not limited to, creation of a customer base; creating products or services with limited financial resources; understanding that conventional marketing techniques are likely prohibitive or, at a minimum, constrained by availability of money, manpower and time; marketing decision-making in the face of high levels of uncertainty and ambiguity.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ENT 381. Entrepreneurial Finance. 3 Credit Hours.
The important role of entrepreneurship in any economy has been well documented and is of interest to business persons, government, and society at large. Financing and growing a new venture--whether inside or outside the corporate structure--is a difficult, yet passionate task. Not all finance specialists have an entrepreneurial bent, while not all entrepreneurs have a financial background. This course introduces entrepreneurial finance, both for finance specialists seeking to learn more about entrepreneurial finance and for entrepreneurs seeking to learn more about the financial aspects of innovation and business growth. Based on an understanding of all the financial areas of entrepreneurial business, we apply the tools and analytic techniques of these areas to the new venture creation and growth processes with a global perspective.
Prerequisites: FIN 201 or FIN 201G and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ENT 382. Entrepreneurship in Action. 3 Credit Hours.
This course gives students the opportunity to work alongside student entrepreneurs in an incubator-like environment and experience the realities of building a startup company. Students gain hands-on experience in areas such as selling, product development, financial modeling, and fundraising while working closely with founders and a strong network of mentors. A key part of the course is the use of Bryant's makerspace, where students can turn ideas into reality by designing, building, and testing prototypes. Through the makerspace, students move beyond planning and gain firsthand experience creating and refining products. This unique, experiential course allows students to develop their entrepreneurial skills, reflect on their personal strengths, and build confidence in their ability to create and grow a new venture. Instructor approval is required.
Session Cycle: Spring
Yearly Cycle: Annual.

ENT 482. Managing a New Venture. 3 Credit Hours.
A study in the management of the new business from its birth to its early adulthood, this course develops students' skills as a general management and entrepreneurial leader. The cases cover a diverse set of industries and a spectrum of sizes ranging from very small firms to quite substantial firms with hundreds of employees. The cases also involve a variety of operating, financing, and marketing disciplines.
Prerequisites: ENT 380 and ENT 381 and Senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ENT 484. Entrepreneurship Practicum. 3 Credit Hours.
The Entrepreneurship Practicum is an experiential course that allows students to apply their knowledge to real-world companies. In this course, students act as consultants to help entrepreneurs solve real business problems and grow their businesses. Students work in small teams of three to five and are assigned to a local startup. Guided by their instructor, students meet with the company, conduct due diligence, identify challenges and opportunities, and develop recommendations. This course fully immerses students in the entrepreneurial process while helping them build consulting, problem-solving, communication, and teamwork skills. Along the way, students gain firsthand experience working with real companies and learning from successful entrepreneurs.

Prerequisites: ENT 280, ENT 380 and ENT 381 and Senior Standing
Session Cycle: Spring
Yearly Cycle: Annual.

ENT 497. Directed Study in Entrepreneurship. 3 Credit Hours.
This course allows seniors concentrating in Entrepreneurship to do an in-depth study or research under the direction of a faculty member in Entrepreneurship.
Prerequisites: ENT 380 and ENT 381; an overall GPA of 3.0 or higher; approval of a supervising faculty member; and approval of the department coordinator.

Department of Finance

The Finance Department: concentrations in Finance and Financial Services, as well as a minor in Finance.

Finance Concentration

Objectives:

- To expose students to all areas of finance including corporate finance, investments, financial institutions, and financial markets.

- To develop in the student the understanding of the role of financial decision making in business and society.
- To develop the analytical and managerial capabilities necessary for making decisions that create stakeholder value.
- To prepare students for career paths involving financial decision making.

Finance is defined as the art and science of managing money. Finance is about making decisions that add value to corporations and individuals. For a business enterprise, the finance function has evolved from simply raising capital when needed to making decisions affecting the management of the firm's assets, liabilities, and cash flow. Finance as a discipline also includes investment management for individuals and institutions, as well as the management of financial institutions such as banks and insurance companies. Since virtually all business decisions have a financial dimension, an understanding of the financial implications of a decision is crucial for effective management.

The goal of the finance concentration is to develop the analytical and managerial capabilities necessary for making sound financial decisions, either as a manager of an enterprise or as an individual managing his/her resources or the resources of others. The curriculum emphasizes sound fundamentals and state-of-the-art financial management techniques.

Finance appeals to students with an analytical and quantitative orientation. Finance majors are required to take courses in the areas of corporate financial management, investments and capital markets, and financial institutions. These courses integrate economics, accounting, computer software applications, mathematics, and statistics into a financial problem solving, decision analysis framework centered around the notion of value creation. Students may select elective courses dealing with short and long-term corporate financial management, securities analysis and investment management, real estate and insurance, and management of financial institutions. The globalization of business activities and availability of capital from sources around the world are a major focus in all advanced finance courses.

Financial Services Concentration

Objectives:

- To develop a broad understanding of integrated financial service organizations operating in brokerage, banking, and insurance.
- To expose students to the development, usage, and marketing of financial services products.
- To prepare students to compete effectively in the constantly evolving and volatile world of financial services.

During the past decade, the field of financial services and personal financial management has undergone significant changes. Traditional boundaries between the securities industry, insurance, and banking have been blurred or obliterated with fundamental changes in federal laws and regulatory rulings. One consequence of these changes has been an expansion of career paths leading to executive positions in banking, brokerage, and insurance, and the emergence of financial services as a distinct field of study.

Rising personal wealth of U.S. and world citizens has also raised the need for individuals to become more knowledgeable about managing their own personal financial resources and has created a demand for professionals who can manage the resources of others. The Bryant University financial services concentration was developed to prepare students for careers in serving the consumer's financial needs.

The concentration consists of an 18-credit financial services core that exposes students to all facets of the field and 12 credits of elective courses that allow students to tailor the program to best fit their academic interests and objectives. Graduates in financial services are prepared for careers in retail securities brokerage, financial planning, real estate investment management, insurance, and financial institutions management.

Finance Minor

The goal of the finance minor is to give students the opportunity to develop the analytical and managerial tools needed for making sound financial decisions.

Students in the finance minor take four courses. Through prudent course selection, students can either specialize in a particular area of finance (e.g. corporate financial management, investments, financial services, the management of financial institutions), or develop a general finance minor.

Course selection should be made under the guidance of the Finance faculty.

Faculty

Department Chair
Kevin Maloney

Professor
Asli Ascioglu

Professor
A. Can Inci

Professor
David A. Louton

Professor
Peter Nigro

Professor
Andres Ramirez

Professor
Hakan Saraoglu

Associate Professor
Leila Zbib

Associate Professor
Ying "Cathy" Zheng

Assistant Professor
Huan Kuang

Assistant Professor
Sonal Kumar

Assistant Professor
Poojan Patel

Assistant Professor
Xiaonan Wei

Senior Lecturer
Mara Derderian

Lecturer
Jeffrey Cerutti

Lecturer
John Fellingham

Lecturer
Yeonju Jang

Lecturer
Jeffrey Koplik

Lecturer
Kevin J. Maloney

Financial Services Faculty
Hakan Saraoglu
Financial Services Coordinator

Financial Services Faculty
Dennis M. Bline
Accounting

Financial Services Faculty
Andrea Boggio
Coordinator, Legal Studies

Concentration

- **Finance Concentration (p. 48)**
- **Financial Services Concentration (p. 48)**

Minor

- **Finance Minor (p. 49)**

Finance Courses

FIN 201. Financial Management. 3 Credit Hours.
This course deals with the financial management of the business enterprise and the role of the financial manager in value creation. Major topics include the time value of money, risk and return, security valuation, capital budgeting, cash and liquidity management, management of current liabilities, dividend policy, cost of capital, capital structure policy and the evaluation of alternative methods of financing.
Pre/Corequisites: MATH 201 or AM 231
Prerequisites: BUS 100
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

FIN 201G. Global Dimensions of Financial Management. 3 Credit Hours.
This course deals with the financial management of the business enterprise and the role of the financial manager in value creation. The focus of this course is the increasing global dimension that the financial managers must address. Major topics include the time value of money, risk and return, security valuation, capital budgeting, cash and liquidity management, management of current liabilities, dividend policy, cost of capital, capital structure policy and the evaluation of alternative methods of financing. While this course deals with common finance problems, these problems are analyzed in a broader context with an international emphasis. Sophomore standing is required.
Pre/Corequisites: MATH 201
Prerequisites: BSIB major and BUS 100
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 310. Intermediate Corporate Finance. 3 Credit Hours.
This course provides an in-depth exploration of corporate financial management, building on foundational concepts. Key topics include capital budgeting, capital structure, dividend policy, working capital management, and valuation techniques. Students will learn to apply various financial tools and techniques, including Excel-based data analysis, to optimize organizational financial performance. This course is essential for those looking to deepen their knowledge of corporate finance and pursue advanced finance courses.
Prerequisites: FIN 201, Sophomore Standing.

FIN 312. Investments. 3 Credit Hours.
This course offers a broad perspective on investment objectives and determinants of investment decision making. Students are introduced to the characteristics of different investment vehicles, the function and operation of the markets in which they trade, measurement of returns and risks associated with investing, and analytical pricing techniques of investment securities. Portfolio management is introduced as a framework for developing security-pricing models. This course is held in the state-of-the-art Financial Market Center (FMC), an environment which exposes students to real-time financial information and enables them to practice with tools that operate on such information to solve typical problems faced by financial professionals.
Prerequisites: FIN 201 and MATH 201
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

FIN 315. Financial Institutions and Markets. 3 Credit Hours.
This course is an introduction to the American financial system including banks, insurance companies and the capital market institutions. Considered are the various aspects of financial instruments, institutions, and markets, as well as the economic, technological and legal framework in which they operate.
Prerequisites: FIN 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 368. Multinational Finance. 3 Credit Hours.
This course examines methods of managing the financial aspects of multinational corporations. After reviewing the international monetary system, international finance, and international money and capital markets, students study financial policies and strategies of multinational corporations. Topics include the methods and process of financing international trade, hedging and arbitrage, risk analysis, and insurance and guarantee program. Also considered are the application of capital budgeting techniques and working capital management for foreign investments and tax considerations in making multinational financial decisions.
Prerequisites: FIN 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 370. Financial Statement Analysis. 3 Credit Hours.
This course is designed to prepare students to be more critical consumers of financial information. The focus of the course is the detailed understanding of financial information and how it can be used to make judgments about firm value. A central theme of the course is the role of management and strategy in presenting financial information. While this course will necessarily include some review of how financial statements are prepared, the emphasis is on how critical users can discover the "truth" about the firm and its industry.
Prerequisites: ACG 203, FIN 201 or FIN 201G and sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 371. Archway Financial Statement and Security Analysis. 3 Credit Hours.
This course is the first of a two-course sequence in the Archway Equity Portfolio Management program. Students will be placed into sector teams and act as security analysts within their sector. The course prepares students to be critical consumers of financial information. The focus of the course is the detailed understanding of financial information and how it can be used to make judgments about firm value and equity security valuation. While this course will necessarily include a review of how financial statements are prepared, the emphasis is on how critical users can discover the "truth" about the firm and its industry and make investment decisions based on that knowledge. These skills will be honed through analysis of real firms, and presentations to audiences which include fellow students, faculty, and investment professionals. Students will utilize industry standard analytical tools within our Financial Markets Center to mimic activities undertaken by investment analysts.
Prerequisites: FIN 201, FIN 312 and ACG 203. Instructor Approval and Junior Standing. Students taking FIN 371 cannot take FIN 370 for credit
Session Cycle: Every Fall and Spring.

FIN 380. Financial Modeling. 3 Credit Hours.
In this course students analyze and solve a diverse set of finance problems through the development of spreadsheet models concerning loan amortization, lease analysis, capital budgeting and risk analysis, cash budgeting, options pricing, capital asset pricing, and portfolio management. The course emphasizes the development of critical thinking skills, proficiency in research and use of financial data, and command of spreadsheet software such as Microsoft Excel.
Pre/Corequisites: FIN 312
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 381. Risk Management and Insurance. 3 Credit Hours.
Non-speculative risk and its management are the focus of this course. Students consider the identification and measurement of risk, models of risk management and applications of different types of insurance. Self-insurance and applications of purchased insurance product strategies are explored.
Prerequisites: FIN 201 and MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 383. Real Estate Finance. 3 Credit Hours.
This course is a study of instruments, methods, and institutions involved in real estate finance. Students examine the financial techniques of risk and return evaluation, as well as the changes in mortgage market and economic environment. Emphasis is placed upon business real estate.
Prerequisites: FIN 201 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

FIN 384. Credit Essentials. 3 Credit Hours.
The goal of this course is to expose students to a variety of commercial banking topics including cash flow, financial statement analysis, structuring commercial loans, personal financial statement analysis, business tax return analysis, as well as industry and market analysis.
Prerequisites: FIN 201
Session Cycle: Spring
Yearly Cycle: Annual.

FIN 391. Finance Internship. 3 Credit Hours.
Finance internships give students the opportunity for supervised employment in an area where they can apply financial theories and principles. Interns work at least ten hours a week, correspond periodically with a supervising faculty member, and prepare a substantive report on work experience and research.
Prerequisites: Overall G.P.A. of 2.5 or greater, FIN 312, approval of a supervising faculty member, and approval of the department chair.

FIN 412. Introduction to Fintech and Digital Innovation. 3 Credit Hours.
The impact of Financial technology (FinTech) in the fields of finance, accounting, banking, insurance, wealth, pensions are far-reaching, and its sphere of influence is likely to continue. Long protected by regulatory environments, financial institutions are coming under challenge from powerful technology providers who are able to deliver at greater efficiency and lower costs. It is changing how existing players operate and it is creating new ways to deliver core services. This course will focus on these how technology is revolutionizing finance and the firms behind this revolution. In addition to studying the world of fintech, student will also act as fintech security analysts and manage a portfolio of fintech firms funded by Bryant Alumni in the industry.
Prerequisites: FIN 312 and Junior Standing
Session Cycle: Every Semester.

FIN 413. Multinational Business Simulation. 3 Credit Hours.
This course involves a semester-long computer simulation in which the participants, working together in small teams, play the management roles of competing multinational firms. Though the course heavily emphasizes finance, marketing, and production decision making, participants will need to master all aspects of running an enterprise. The course offers many noteworthy features: international scope, strategic focus, lots of written and oral communication, considerable analytic work using spreadsheets and various statistical packages, and coping with sticky ethical and environmental issues. Students will develop leadership, as well as team building skills. This course is cross-listed with BUS 413, MGT 413 and MKT 413.
Prerequisites: FIN 201, MKT 201 and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

FIN 414. AI Applications in Finance. 3 Credit Hours.
This course is an elective within the AI Minor program and the Finance Concentration. It introduces students to practical applications of artificial intelligence (AI) in finance. Students will build basic coding skills and learn how to interact with AI models through APIs. The course focuses on real-world uses of AI in finance. Students will gain hands-on exposure to technologies such as robo advisors, textual analysis including sentiment analysis and content classification, and interacting with AI models through APIs. The course prepares students to apply AI tools and thinking to financial problems.
Pre/Corequisites: AI 202
Prerequisites: FIN 201, AI 201, Junior Standing
Session Cycle: Every Fall and Spring.

FIN 454. Archway Equity Portfolio Management. 6 Credit Hours.
This is the second course in a two-course student managed investment fund sequence which is intended to serve as a capstone experience for students majoring in finance with a focus in investments. Students will learn the basic tools and techniques of portfolio management such as asset allocation, diversification, security selection, measurement of portfolio risk and return, risk management and performance measurement. These skills will be honed through management of the Bryant University student managed fund, interaction with student securities analysts, and presentations to audiences which include investments professionals. A high level of professionalism will be required of all students admitted to this course. This course is held in the state-of-the-art Financial Markets Center (FMC), an environment that exposes them to practice with tools that operate on such information to solve typical problems faced by financial professionals. Only students that have taken FIN 371 are eligible.
Prerequisites: FIN 371 and Instructor Approval
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 458. Debt Securities, Derivatives and Investing. 3 Credit Hours.
The analysis, selection and management of debt securities are the topics in this course. The increasing complexity of the types and characteristics of debt securities being issued globally requires special analysis, along with an understanding of options and futures concepts. This course exposes students to the analytical concepts used in the fixed income market, and provides concrete practical applications of those concepts to the analysis of securities for pricing and risk management purposes.
Prerequisites: FIN 312 and Junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 460. Merger and Acquisition Finance Theory and Practice. 3 Credit Hours.
In this capstone class, students undertake a detailed study of the theory and practice of acquisitions through a finance lens. Using an overarching theme of value creation, students will examine such topics as friendly and hostile takeovers, mergers, spin-offs, consolidations, and private equity transactions including LBOs and MBOs, . By employing a combination of lectures and cases studies focusing on complex problems, students gain a deeper understanding of deal valuation, deal structuring, and the other important financial components of these important transactions.
Prerequisites: FIN 201 or FIN 201G, and FIN 370 or FIN 371 and Junior Standing
Session Cycle: Spring
Yearly Cycle: Annual.

FIN 465. Innovations in Contemporary Finance. 3 Credit Hours.
Contemporary finance is a highly quantitative and technological field. The performance of global investments are evaluated and managed by increasingly more complex mathematical tools. This survey course will provide students the fundamental steps of technical and financial sophistication they need to solve critical problems and will develop their ability to successfully understand and communicate with industry professionals and investment clients both in the U.S. and around the world. The students will learn about the process of financial engineering. The course will utilize advanced mathematical methods.
Prerequisites: FIN 201 and (FIN 312 or FIN 315)
Session Cycle: Fall and Spring
Yearly Cycle: Annual.

FIN 466. Data Analysis for Finance. 3 Credit Hours.
This course introduces students to a variety of tools for managing and analyzing "big data" in the field of finance. Finance benefits from the availability of very rich numerical and textual records, and the goal is to provide students with sufficient exposure to these resources to understand their applicability to financial decision making situations, while at the same time providing familiarity with a set of open source analytical tools that can make such sources accessible.
Prerequisites: ACG 203, FIN 201, and MATH 201 and Junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 475. Management of Banking Institutions. 3 Credit Hours.
This course explores the theory and practice of managing depository institutions in today's dynamic banking environment. The course examines asset and liability management strategies and impacts on profitability of depository institutions.
Prerequisites: FIN 201 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 480. Archway Fixed Income Portfolio Management. 3 Credit Hours.
This course is an experiential portfolio management class focused on Fixed Income Markets. The course is part of the Archway program and students participate in the activities of the overall program. The central activity in the course is the management of the fixed income allocation within the Archway Investment Fund (AIF) according to the guidelines and constraints outlined in the Investment Policy Statement that governs the portfolio.
Prerequisites: FIN 458 and junior standing
Session Cycle: Fall,Spring
Yearly Cycle: Annual.

FIN 497. Directed Study in Finance. 3 Credit Hours.
This course allows senior finance concentrators to do in-depth study or research under the direction of a member of the Finance Department.
Prerequisites: FIN 201, FIN 311 or FIN 380, FIN 312 and an overall GPA of 3.0 or greater, approval of a supervising faculty member, and approval of the department chair.

FIN AR371. Arch Fin. Security Analysis. 0 Credit Hours.

Financial Services Courses

FS 391. Financial Services Internship. 3 Credit Hours.
Students in this course participate in employment in the financial services sector under the supervision of a faculty advisor. Interns work a minimum of 10 hours a week, correspond periodically with a supervising faculty advisor, and prepare a substantive report on their work experience and research.
Prerequisites: Junior standing, approval of the faculty advisor and financial services program coordinator.

FS 486. Securities Brokerage. 3 Credit Hours.
This course focuses on topics that relate to the critical functions and tasks of financial planners and securities brokers. These topics include the organization, participants, and functions of securities markets and the principle factors that affect them, the transaction procedures for various securities, forming and monitoring investment portfolios, and maintaining investment accounts.
Prerequisites: FIN 312 and instructor approval
Session Cycle: Spring
Yearly Cycle: Annual.

FS 497. Directed Study in Financial Services. 3 Credit Hours.
This course allows senior students in the Financial Services program to conduct independent, in-depth research under the supervision of a faculty advisor. Approval of the faculty advisor and Financial Services program coordinator is required. Senior standing is required.

Bachelor of Science in Business Administration: Finance Concentration

Bachelor of Science in Business Administration Degree with a Finance Concentration Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Finance Concentration Curriculum Requirements

Finance Concentration		
FIN 310	Intermediate Corporate Finance	3
FIN 312	Investments	3
FIN 315	Financial Institutions and Markets	3
FIN 370	Financial Statement Analysis [2]	3
or FIN 371	Archway Financial Statement and Security Analysis	
or FIN 380	Financial Modeling	
or FIN 465	Innovations in Contemporary Finance	
or FIN 466	Data Analysis for Finance	
Two Additional Finance Electives [1]		
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
BUS 400	Business Policy	3
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3

A minimum of 18 credit hours is required for the concentration.

A minimum of 120 credit hours is required for graduation.

1 Must include one 400-level elective
2 FIN 370 and FIN 371 are equivalent courses. Cannot get credit for both. FIN 371 needs instructor approval

Bachelor of Science in Business Administration: Financial Services Concentration

Bachelor of Science in Business Administration Degree with a Financial Services Concentration Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Financial Services Concentration Curriculum Requirements

Financial Services Concentration Requirements (Also required for the Financial Planning Track)		
ACG 352	Individual Taxation	3
FIN 312	Investments	3
FIN 315	Financial Institutions and Markets	3
FIN 381	Risk Management and Insurance	3
LGLS 412	Law of Financial Institutions	3
MKT 311	Consumer Behavior	3
Financial Services Electives		
Select four of the following: [1]		
ACG 351	Corporate Taxation	3
ACG 370	Personal Financial Planning	3
AM 451	Pension Fundamentals	3
FIN 368	Multinational Finance	3
FIN 370	Financial Statement Analysis	3
FIN 380	Financial Modeling	3
FIN 383	Real Estate Finance	3
FIN 384	Credit Essentials	3
FIN 454	Archway Equity Portfolio Management	6
FIN 458	Debt Securities, Derivatives and Investing	3
FIN 465	Innovations in Contemporary Finance	3
FIN 466	Data Analysis for Finance	3
FIN 475	Management of Banking Institutions	3
FIN 480	Archway Fixed Income Portfolio Management	3
FS 391	Financial Services Internship	3
FS 486	Securities Brokerage	3
FS 497	Directed Study in Financial Services	3
MKT 363	Personal Selling	3
Financial Planning Track Requirements [2]		
ACG 370	Personal Financial Planning [3]	3
AM 451	Pension Fundamentals [3]	3
FS 391	Financial Services Internship [4]	3
FS 497	Directed Study in Financial Services (Financial Planning Capstone) [6]	3
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
BUS 400	Business Policy	3

AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3
Liberal Arts Minor Requirement		
Four Courses (selection is made from a variety of liberal arts disciplines)		

A minimum of 30 credit hours is required for the concentration.

A minimum of 120 credit hours is required for graduation.

1 Must include one 400-level.

2 Students who complete the Financial Planning Track requirements above must also complete 1 additional non-degree credit courses (Estate Planning) through Bryant University's Executive Development Center (or other CFP Registered institution offering these courses) to satisfy the CFP Board of Standard's education requirements. Students enrolled in the Financial Planning Track will be required to successfully complete a Financial Planning Internship (under the same structure as existing Financial Services Internship FS 391).

3 Satisfies a topical area for the educational component of the CFP designation.

4 Satisfies a topical area for the educational component of the CFP designation if the context of the internship is financial planning. Faculty approval is required for counting FS 391 as a Financial Planning internship.

Finance Minor

Finance Minor Requirements

Required Courses:		
FIN 312	Investments	3
Elective:		
Select three courses:		9
One or two courses at the 300-level with the Finance minor attribute designation		
A minimum of one course at the 400-level with a Finance minor attribute designation		
Excluded		
FIN 391	Finance Internship	
FS 391	Financial Services Internship	
FIN 497	Directed Study in Finance	
FS 497	Directed Study in Financial Services	

A minimum of 12 credit hours is required for the minor.

Global Supply Chain Management Program

Global Supply Chain Management Concentration

The ability to manage complex global supply chains is key to success in the modern economy. Supply chain management involves coordinating and improving the flow and transformation of goods, services, information, and funds within companies and around the world, from raw materials to the final end user. The Global Supply Chain Management Concentration is designed to provide students with an in-depth knowledge of supply chain management (SCM) as an integrative value-creating strategy for complex business-to-business networks designed to enhance global competitiveness. Students will learn a process approach to integrating the key functions of marketing, logistics, operations management, computer information systems, accounting, and finance. Our interdisciplinary course of study transcends traditional business functionality and explores relationships that create value for multiple stakeholders across functions, organizations, and nations. The GSCM concentration uses a hands-on approach to expose students to a wide variety of career opportunities available in the field of supply chain management.

Students with a concentration in Global Supply Chain Management will be able to:

- Understand from a macro perspective how supply chain management relates to the global economy, industry competitiveness, and future challenges.
- Identify and manage supply chain dynamics and their influence on the relationships and resources within and across companies in a global supply chain environment
- Apply supply chain management concepts to improve both top-line (revenue) and bottom-line (profit) performance.
- Utilize data analytics to quantitatively inform supply chain strategies such as global transportation and network planning, inventory decision making, and facility location planning.
- Design, measure, and respond to key supply chain performance metrics
- Measure and assess the tradeoffs and interdependencies associated with strategic and tactical decisions regarding purchasing, materials handling, warehousing, packaging, and inventory management, with a focus on information as a substitute for inventory.
- Use supply chain technology to demonstrate how information is identified, acquired, organized, and analyzed to support critical strategic and operational management decisions in a global business environment.
- Put supply chain theory into practice through the use of hands-on simulations, exercises and problems, case studies, and consulting projects with real companies.
- Demonstrate effective oral and written business presentations of global supply chain management issues and solutions.

To obtain a concentration in GSCM, students must earn 18 credits with a minimum GPA of 2.0.

Global Supply Chain Management Minor

The ability to manage complex global supply chains is key to success in the modern economy. Supply chain management involves coordinating and improving the flow and transformation of goods, services, information, and funds within companies and around the world, from raw materials to the final end user. The Global Supply Chain Management (GSCM) minor is designed to provide students with a working knowledge of supply chain management as an integrative value creating strategy for complex business-to-business networks designed to enhance global competitiveness. Students will learn a process approach to integrating the key functions of marketing, logistics, operations management, computer information systems, accounting, and finance. Our interdisciplinary course of study transcends traditional business functionality and explores relationships that create value for multiple stakeholders across functions, organizations, and nations. The GSCM minor uses a hands-on approach to expose students to a wide variety of career opportunities available in the field of supply chain management.

Faculty

Professor
Michael Gravier
Management

Professor
Christopher Roethlein
Professor, Management

Professor
John Visich
Professor, Management

Associate Professor
Teresa McCarthy
Associate Professor, Marketing

Associate Professor
Andres Ramirez
Associate Professor, Finance

Associate Professor
Yasamin Salmani
Management

Executive In Residence
June Youngs
Management

Concentration

- Global Supply Chain Management Concentration (p. 52)

Minor

- Global Supply Chain Management Minor (p. 52)

Courses

GSCM 301. Supply Chain Management Concepts. 3 Credit Hours.
This course will introduce students to supply chain management concepts that are critical to business success in today's fiercely competitive environment. Global supply chain management involves coordinating and improving the flow and transformation of goods, services, information, and funds within companies and around the world, from raw materials to the final end user. This course integrates key functions of operations management, marketing, logistics, and computer information systems in order to analyze and design domestic and international supply chains. Topics will include relationship management, transportation and distribution, inventory control, purchasing, forecasting, production management, and the impact of technology on supply chain management.
Prerequisites: MGT 201 or MGT 201G
Session Cycle: Fall
Yearly Cycle: Varies.

GSCM 310. Supply Chain Integration. 3 Credit Hours.
This course is designed to help students synthesize concepts covered in other supply chain, marketing, operations management, accounting, and finance courses by providing an integrative framework for supply chain management decision-making in a global business setting. Students will learn how a business builds relationships and integrates demand and supply activities across the supply chain to efficiently and effectively deliver customer value. The hands-on learning will take place within a global supply chain management simulation where students assume the roles of suppliers and customers and work together to accomplish organizational and supply chain goals while competing with other supply chains. Topics include: market research, segmentation, customer value, new product development, relationship management, negotiation, production planning, distribution, accounting and financial planning.
Pre/Corequisites: ACG 203 and sophomore standing
Session Cycle: Fall
Yearly Cycle: Annual.

GSCM 320. Information Technology in Supply Chain Management. 3 Credit Hours.
The purpose of this course is to discuss how IT is used to enable supply chain management and to improve the performance of the supply chain. Major topics include the role of IT in the supply chain, enterprise resource planning (ERP), innovative technologies in the supply chain, IT enablers for supply chain performance, and internet based supply chain and supply chain security. Hands-on exercises in a simulated SAP ERP system and real-world cases will be used in helping students understand course concepts. This course is cross-listed with ISA 320.
Prerequisites: ISA 201 and MGT 201 or MGT 201G
Session Cycle: Spring
Yearly Cycle: Annual.

GSCM 330. Basic Modeling and Analysis of Global Supply Chains. 3 Credit Hours.
This course will provide students with basic quantitative problem solving tools in logistics and global supply chain management. Students will learn how to diagnose and solve problems in networks of transportation, warehouse, inventory, and operations facilities, including facility location, material flows, vehicle routing, and general analytical decision-making. Upon completion, students should be comfortable using modeling tools fundamental to logistics and global supply chain management, with a focus on linear programming, integer programming, non-linear programming, and simulation. The course emphasizes use of spreadsheet programs as these are ubiquitous in business. No prior experience in spreadsheets or advanced mathematics/statistics is required. Students will have to demonstrate practical application of analytical and decision-making techniques, including professional presentation skills.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

GSCM 391. Supply Chain Management Internship. 3 Credit Hours.
Supervised employment in an area of supply chain management involving the application of SCM theory and principles to the work environment. Students are required to work a minimum of ten hours per week on the job, correspond periodically with their supervising faculty member, and prepare a substantive report on their work experience. The substantive report must contain content from the structured GSCM elective course it is replacing.
Prerequisites: junior standing.

GSCM 410. International Trade Logistics and Transportation. 3 Credit Hours.
This course provides basic preparation in transportation economics and management as well as international transport and logistics. The course is taught in two modules: International Transport and Logistics, and Logistics Analysis. Attention is given to how transportation pricing and tradeoffs work, shipper and carrier strategies, and logistics processes for moving goods and people internationally. Students will quantitatively develop and assess strategies for transportation and network planning, inventory decision making, facility location planning, and vehicle routing.
Prerequisites: MGT 201 or MGT 201G and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

GSCM 420. Process Analysis and Improvement. 3 Credit Hours.
Process Analysis and Improvement will introduce the student to a variety of decision making methods and tools that can be used to solve operational problems and facilitate strategic decision making. Process analysis and improvement methods covered include Six Sigma, Lean and A3 for Healthcare. Students completing this course will have a high level of Excel application knowledge and proficiency with Visio. The methods and tools used in this course are applicable to all types of organizations and supply chains.
Prerequisites: MGT 201 or MGT 201G and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

GSCM 430. Global Sourcing and Supply Management. 3 Credit Hours.
Firms are increasingly developing sourcing and supply management as a source of global competitive advantage. As firms increasingly outsource manufacturing, the need for a strategic approach to global sourcing becomes more evident. The creation of value often requires careful coordination of activities across the boundaries of organizations, creating strategic alliances with suppliers, and viewing suppliers as an extension of the buying company. Students in this course will be provided with the fundamental tools and techniques to deliver value through supplier identification and selection, buying, negotiation and contracting, and supplier measurement and improvement. Through course readings and case analysis, students will learn how leading companies leverage sourcing and supply management to increase customer and shareholder value. Socially responsible procurement will be a focus of this course.
Prerequisites: GSCM 310 or GSCM 320 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

GSCM 435. Healthcare Supply Chain. 3 Credit Hours.
A strategic management view of the Healthcare Supply chain, applicable for Business, Physician Assistants, and Supply Chain students interested in understanding the health sector's global supply chain impacts, to identify more resilient healthcare supply chains in the wake of pandemics, disruptions, innovations, through more affordable quality human outcomes and care.
Prerequisites: Junior Standing
Session Cycle: Every Semester.

GSCM 440. Corporate Social Responsibility in the Global Supply Chain. 3 Credit Hours.
The focus of this course is on corporate social responsibility from the perspective of the global supply chain. A wide array of topics will be covered including social and environmental reporting frameworks, risk management, supply chain ethics, sustainable business operations, closed-loop supply chains, LEED (Leadership in Energy and Environmental Design), disaster management and humanitarian supply chains, and corporate social responsibility standards, indices, rankings, and other performance measurements.
Prerequisites: MGT 201 or MGT 201G and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

GSCM 490. Empirical Applications in Supply Chain Management. 3 Credit Hours.
Supply chains exist whether or not they are managed. This capstone course will involve students in a study of best practices in managing global supply chains. A semester long, hands-on team based project with a global supply chain provider/industry member will allow students to demonstrate their skill sets and contribute to corporate success. Students will gain invaluable experience and become confident with their global supply chain knowledge and its applications, and participating supply chain providers/industry members will benefit through project efforts. Topics include: customer relationships, strategic sourcing, supplier relationships, logistics, strategic relationships, collaboration, performance measurements, alignment of goals, customer value, production planning, distribution, and financial planning.
Prerequisites: Two GSCM courses and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

GSCM 497. Directed Study in Supply Chain Management. 3 Credit Hours. In-depth exploration of specialized areas of supply chain management serve as the purpose of this course. Individualized instruction is used to research areas in which the faculty member and student have a common interest. Extensive research including primary data collection may be required. The course concludes with the preparation of a thorough research report and presentation which must contain content from the structured GSCM elective courses it is replacing.
Prerequisites: senior standing.

Bachelor of Science in Business Administration: Global Supply Chain Management Concentration

Bachelor of Science in Business Administration Degree with a Global Supply Management Concentration Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Global Supply Chain Management Concentration Curriculum Requirements

Global Supply Chain Management Concentration		
GSCM 330	Basic Modeling and Analysis of Global Supply Chains	3
GSCM 490	Empirical Applications in Supply Chain Management	3
Select four of the following: [1,2]		
GSCM 301	Supply Chain Management Concepts	3
GSCM 310	Supply Chain Integration	3
GSCM/ISA 320	Information Technology in Supply Chain Management	3
GSCM 391	Supply Chain Management Internship	3
GSCM 410	International Trade Logistics and Transportation	3
GSCM 420	Process Analysis and Improvement	3
GSCM 430	Global Sourcing and Supply Management	3
GSCM 440	Corporate Social Responsibility in the Global Supply Chain	3
GSCM 497	Directed Study in Supply Chain Management	3
ISA 332	E Business Models	3
MKT 410	Business To Business Marketing	3
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
BUS 400	Business Policy	3
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3

A minimum of 18 credit hours is required for the concentration.

A minimum of 120 credit hours is required for graduation.

[1] Must include a minimum of nine (9) credits from GSCM courses.
[2] Must include one (1) 400-level GSCM course.

Global Supply Chain Management Minor

Global Supply Chain Management Minor Requirements

To obtain a minor in Global Supply Chain Management, students must earn 12 credits in GSCM courses with a minimum GPA of 2.0.

Required Courses		
GSCM 490	Empirical Applications in Supply Chain Management	3
Elective Courses		
Select three of the following:		
GSCM 301	Supply Chain Management Concepts	3
GSCM 310	Supply Chain Integration	3
GSCM/ISA 320	Information Technology in Supply Chain Management	3
GSCM 330	Basic Modeling and Analysis of Global Supply Chains	3
GSCM 391	Supply Chain Management Internship	3
GSCM 410	International Trade Logistics and Transportation	3
GSCM 420	Process Analysis and Improvement	3
GSCM 430	Global Sourcing and Supply Management	3
GSCM 440	Corporate Social Responsibility in the Global Supply Chain	3

A minimum of 12 credit hours is required for the minor.

Department of Information Systems and Analytics

The Information Systems and Analytics Department oversees:

- `Bachelor of Science in Data Science`
- `Information Systems Concentration`
- `Information Systems Minor`
- `The department also offers Applied Analytic Secondary Concentration.`

Bachelor of Science in Data Science

The Bachelor of Science in Data Science (BSDS) is an interdisciplinary program that is designed to provide students with a strong balance in both the theory and practice of creating knowledge from data that can be used by organizations to take reasoned action and to solve real-world problems. It is based on the belief that students need to do more than acquire basic skill set in the areas described above, they must also be comfortable in their ability as story tellers, to explain the importance of their analysis in ways that can be easily understood by others. To prepare students for a career in data science, students will work on real problems and data during their course of study that are provided by organizations in many different areas including business, nonprofit, health care and sports.

Information Systems Concentration

In an era where technology drives every industry, information systems are the backbone of every successful organization. Whether it's driving decision making, optimizing operations, or fueling innovation, information systems play a pivotal role in helping businesses achieve their goals. Bryant University recognizes the importance of information technology for all levels of management and provides an Information Systems curriculum that is both challenging and relevant.

Students who elect to concentrate in Information Systems will learn to define problems, design systems, develop applications and perform data analysis to meet a wide range of professional opportunities in the rapidly evolving technology field. Students can take various electives in cybersecurity, web development, data science and AI based on their interests. In addition, they can pursue various certifications including Python, and AWS.

Objectives

- Demonstrate knowledge of programming principles and structured programming.
- Describe the concepts, procedures and tools necessary for building a computer-based information system.
- Use technology to analyze data and solve real-life business problems.
- Design and develop basic database systems that meet users' requirements.
- Demonstrate the knowledge and skills necessary to complete all phases of the systems development life cycle.

Information Systems Minor

For those pursuing other fields, a Minor in Information Systems is the perfect complement to your studies. You'll gain valuable skills in acquiring, managing, and leveraging information to solve business problems. Our flexible curriculum ensures that students from various disciplines can tailor their minor to suit their unique interests and career goals.

Objectives:

- To provide students with the information technology skills to acquire, manage, and use information in a rapidly changing organization.
- To develop the problem-solving and analytical skills of students.
- To provide a curriculum that complements and enhances the program of their concentration.

Applied Analytics Secondary Concentration

The Applied Analytics Program is an 18-credit interdisciplinary concentration that provides students with a solid foundation in integrating technology and analytical methods to acquire, analyze and apply information for projects in diverse areas such as literary and historical text analysis, social media and web analytics, bioinformatics and business decision making. Applied Analytics is a second concentration that must be taken concurrently with a required primary major in the College of Arts and Sciences or concentration in the College of Business. In this manner, students not only gain exposure to, and skills in, applied analytics but they also acquire a strong foundation in their chosen discipline to provide the context in which applied analytics may be used effectively.

Objectives

- Prepare students to critically analyze problems in a variety of disciplines in liberal arts, sciences and business and to identify relevant and useful information to support the attainment of desired outcomes.
- Prepare students to conceptualize, apply and integrate effective strategies to acquire, store, analyze and deploy information effectively.
- Prepare students to think critically by drawing appropriate conclusions from examining the output of methodological applications of applied analytics.
- Prepare students to build advanced analytical models for relevant applications.

Faculty

Department Chair
Dr. Suhong Li

Professor
Abhijit Chaudhury

Professor
Suhong Li

Professor
Janet Prichard

Associate Professor
Kenneth Sousa

Associate Professor
Chen Zhang

Assistant Professor
Geri Louise Dimas

Assistant Professor
Monica(ML) Tlachac

Assistant Professor
Riazat Ryan

Assistant Professor
Gianluca Brero

Executive in Residence
Thomas Dougherty

Lecturer
Francis Varin

Lecturer
Michelle Varin

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- **Applied Analytics Concentration (p. 204)**

- Information Systems Minor (p. 59)

Applied Analytics Courses

AA 205. Introduction to Applied Analytics. 3 Credit Hours.
This is an introductory course in applied analytics. The focus is on using data and being able to gain insight into the data for multiple purposes. Analytics will be studied from a wide variety of fields and disciplines including using data visualization, text mining, and data mining methodologies to investigate questions related to the arts, business, humanities, social and physical sciences. The insight students gain may assist them in making effective decisions or the insight may be derived from analyzing textual data that were previously not thought to be significant.
Prerequisites: MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AA 304. Managing Information for Applied Analytics. 3 Credit Hours.
This course is about the management of information, how it is acquired, stored, and deployed effectively and how it may be analyzed for applications in a wide variety of domains such as literary and historical text analysis, social media, bioinformatics and business decision making. With the technology of today, we can gather data sets from many sources, some that are so large and complex (Big Data) that using traditional database management tools becomes difficult. Information management today must also deal with huge amounts of unstructured data that is being generated by social media in blogs, tweets, videos, speech, photographs, e-mails, and others. Not only are we faced with the challenge of how to store all of this data, but how we can effectively extract relevant information and visualizations from these disparate sources and gain valuable insights. This course brings together several key technologies-- databases, data warehouses, and large distributed data repositories--in a project that demonstrates how data can be stored, manipulated, and visualized.
Prerequisites: AA 205
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AA 306. Data Mining for Effective Decision Making. 3 Credit Hours.
In very simple terms, analytics is about the discovery and communication of meaningful patterns in data. This course is about applying analytics to create useful information that provides insights, fosters inquiry, and supports effective decision making and problem solving. It follows that the target audience for this course is anyone who anticipates having a need for useful information during their career and in their personal life. The approach taken in this course is that analytics is a tool that may be applied to achieve a desired outcome. Without a clear purpose or objective, the use of analytical methodologies is nothing more than a fishing expedition. It also follows that even when a clear objective is present, the application of analytics is only useful if the results of the analysis lead to reasoned action. Therefore, this course is more than a review of analytical methodologies. It is also about understanding problems, setting objectives, critical thinking and interpreting results. Problems will be addressed in a variety of disciplines including applications in liberal arts, science and business.
Prerequisites: AA 205
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AA 490. Applied Analytics Capstone. 3 Credit Hours.
In AA 490, students complete a comprehensive real-world data project along with a presentation to the class and other interested parties of key aspects of the project with an analysis of the results. This will be a learning experience that gives students the opportunity to conduct real-world data preparation and analysis using data in a field relating to their primary area of concentration or major. Students will need to understand the problem, and then clean and analyze the data. The scope of the project is not only to complete a well-defined piece of work in a professional manner, but also to place the work into the context of an analytics environment by applying current state of the art techniques.
Prerequisites: AA 205, AA 304, AA 306, junior standing or permission of the instructor
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

Information Syst. Analytics Courses

ISA 201. Introduction to Information Technology and Analytics. 3 Credit Hours.
Information technology has become deeply integrated with every business function. This course covers the role of Information Technology in supporting business process and major enterprise wide strategic initiatives, including Customer Relationship Management (CRM), Enterprise Resource Planning (ERP), Supply Chain Management (SCM), and e-Business. It examines the competitive impact of evolving technologies such as Mobile Computing and Social Networking. The course also covers the social, ethical, and security issues that arise with the use of technology. Various business scenarios/problems are presented to teach students how to use IT to formulate, analyze, and solve problems and to enhance their analytical skills. Students apply what they have learned and compete "team-to-team" in a sponsored course-wide analytical case.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 201G. Introduction to Global Information Technology and Analytics. 3 Credit Hours.
This course will provide a foundation of information technology concepts and application development in a global context. Students are expected to learn how various information technologies can be used to strengthen the business competitiveness globally, how information culture may vary in different countries, and how this variation may impact the adoption of information technologies. Students are expected to learn managerial issues pertaining to development of global information systems. Students will gain experience with database and spreadsheet tools (Access and Excel) which are necessary to be more productive in a global environment.
Prerequisites: BSIB major
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 203. Honors Business Information Technology and Analytics. 3 Credit Hours.
This course introduces students to the key role that information technology plays in business organizations. Major topics include business information systems, information ethics and social issues, security, database fundamentals, telecommunication, e-commerce, m-commerce and traditional and emerging systems development methodologies. Students will also gain experience in developing a functional database application for a business case and then use the data in the database to create spreadsheet analyses to solve business problems related to the different business functions contained in the business case such as finance, marketing and management.
Prerequisites: Honors Program
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 210. Introduction to Data Science. 3 Credit Hours.
This course will introduce students to the field of Data Science and help them gain a foundational understanding of Data Science basic principles and tools as well as an understanding of how Data Scientists contribute to solving meaningful problems across many domains. The concepts, techniques and tools presented in this course will serve as a gateway to more focused courses that lead to becoming an effective Data Scientist. The content of the course will include an introduction to the field of Data Science, what it means to be a Data Scientist, steps in a Data Science project understanding data, data collection and integration, exploratory data analysis, supervised and unsupervised machine learning, text mining, modeling, data product creation, evaluation, effective visualization and communication and ethical issues in Data Science. The focus will be on breadth rather than depth and integration of concepts.
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 221. Introduction to Programming. 3 Credit Hours.
This course introduces computer programming using high level programming languages. The course begins with a review of control structures and data types with emphasis on structured programming, syntax, repetition structures, decision structures, list and array processing. Emphasis is placed on programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. This course also introduces students to the ideas of data abstraction and object-oriented programming. Other topics include simple analysis of algorithms, basic searching and sorting techniques, and an introduction to software engineering issues through code discussions.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 310. Data Visualization. 3 Credit Hours.
This course examines the art and science of data visualization. It explores various visualization techniques and the way that shape, size, color, orientation, and motion influence the way information is comprehended. In this course we will study a wide-range of visualization techniques for creating effective visualizations. We will explore well established visualization techniques using products like Excel and Tableau, techniques that are used for visualizing social network through Gephi, while also pushing the boundaries of visualizations by developing our own using Python. Through class discussions we will discuss appropriateness of the various techniques while trying multiple techniques on the same dataset to explore the effectiveness of visual comprehension.
Prerequisites: ISA 221 or instructor permission, and sophomore standing

Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 311. Introduction to Cybersecurity. 3 Credit Hours.
The rapid growth of IT and our dependence upon it have made it imperative that students understand the importance of security both in the workplace and at home. Smart devices have made our lives more convenient in recent years, however, they have also exposed us to increasing threats as bad actors find new ways of exposing our persona data as well as threatening businesses with ransomware. This course is designed to introduce students to the many aspects of cybersecurity using a hands-on approach in a virtual lab. This course will explore common threats such as SQL injection attacks, cross-site scripting, mobile and wireless security, packet sniffing and spoofing and how to best secure your personal and business assets. Additionally, public and private key security and encryption will be examined.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 320. Information Technology in Supply Chain Management. 3 Credit Hours.
The purpose of this course is to discuss how IT is used to enable supply chain management and to improve the performance of the supply chain. Major topics include the role of IT in the supply chain, enterprise resource planning (ERP), innovative technologies in the supply chain, IT enablers for supply chain performance, and internet-based supply chain and supply chain security. Hands-on exercises in a simulated SAP ERP system and real-world cases will be used in helping students understand course concepts. This course is cross listed with GSCM 320.
Prerequisites: ISA 201 and MGT 201 or MGT 201G
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 330. Programming for Data Science. 3 Credit Hours.
This course is an advanced Python programming course focusing on common programming tools used for Data Science application development with an emphasis on libraries commonly used by Data Scientists (NumPy, Pandas, etc). Data analysts often implement their solutions using programming languages such as R and Python. Because of this, it is critical that the data analyst/scientist be comfortable in such development environments and be able to understand when a solution needs to be programmatically developed. The course covers hands-on programming techniques for analytics which includes web scraping and other data extraction techniques, data transformation, data staging, data analysis, and finally data presentation and visualization. The course will give the students the skills to highlight their capability of producing notebooks appropriate for a data analytics/data science application.
Prerequisites: ISA 221 and sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 332. E Business Models. 3 Credit Hours.
E-Business is doing business activities over an IT platform that uses Internet-related protocols. E-Business activities include not only the business to consumer direct selling over the web but also business-to-business logistics, and all the back-end computer activities within the firm that use Internet protocols. Business organizations are implementing radical changes in the marketing, advertising, and delivery of their products and services. Through the implementation of electronic business technology, organizations are extending their boundaries beyond traditional "bricks and mortar" establishments to a new virtual marketplace that has global reach. Conventional business practices in the areas of advertising, marketing, production, and customer service are being radically transformed by this new platform that permits world-wide connectivity on 24/7 basis.
Prerequisites: ISA 201 and junior standing
Session Cycle: Varies
Yearly Cycle: Annual.

ISA 340. Introduction to Machine Learning. 3 Credit Hours.
This is an introductory course requiring no previous knowledge of machine learning. We focus on using Python, and machine learning libraries such as the scikit-learn library, and work through all the steps to create a successful machine learning application. This course does not focus too much on the math, but rather on the practical aspects of using machine learning algorithms to solve problems such as fraud detection. To ground this course we will supplement machine learning algorithms and techniques with case studies and problems such as: House Price Prediction, Handwritten Character Recognition, Credit Card Fraud Detection, Market Segmentation, Churn Prediction and Drivers, Customer Lifetime Value (CLV) Prediction, Photo Classification, People Identification, Document Classification and more.
Prerequisites: ISA 330 or instructor permission, and sophomore standing

Session Cycle: Every Semester
Yearly Cycle: Annual.

ISA 341. Database Management Systems Principles. 3 Credit Hours.
This course focuses on the principles of database design and application development in a database environment. Topics will include foundations of the database approach, objectives of this approach, advantages and disadvantages of database processing. A major emphasis will be placed on the Relational Database Model and will include techniques for designing and normalizing a Relational Database. Student projects will include developing application software using a database system.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 342. AI Ethics and Data Governance. 3 Credit Hours.
As Artificial Intelligence (AI) has increasingly been integrated across all sectors of society; it is critical to examine the challenges and ethical implications of its widespread use. This course offers a comprehensive exploration of the ethical challenges arising from the practice of AI including principles of privacy, fairness, bias, interpretability, accountability, and governance. Through critical thinking and discussion, students will analyze real-world applications, assess ethical concerns across various AI implementations, and explore how regulatory frameworks and public policies influence ethical practices. By the end of the course, students will have a strong foundation on ethical considerations in AI and be equipped to critically engage in discussions on its ethical use and societal impact.
Prerequisites: ISA201 or AI201 or AI201B
Session Cycle: Every Fall Semester.

ISA 343. Infrastructure and Cloud Computing. 3 Credit Hours.
The computing infrastructure is constantly evolving due to the technological advancement and business needs. This course introduces the hardware, system software, the cloud and their integration to drive and support business. This course also brings together the technical knowledge and managerial knowledge in various class activities to demonstrate computing infrastructure's design, implementation and maintenance. Topics include computer hardware components, operating systems, computer networks, middleware, virtualization and Big Data support.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 345. Web Design and Development. 3 Credit Hours.
This course covers the basic principles of designing and implementing websites, focusing on the client-side technologies of web page creation. No programming background is required, although students will learn some programming through scripting languages. Course topics include web graphics, information structuring, development of interactive pages (using forms and JavaScript), event handling, implementation issues and techniques, web accessibility issues, and use of popular web development tools. Students will learn client side web development technologies such as HTML, JavaScript, jQuery, and Cascading Style Sheets.
Prerequisites: ISA 201
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 350. Decision Making with AI. 3 Credit Hours.
The goal of this course is to help students understand how AI and AI agents support decision making and how AI-based decision systems are designed and built. Students learn the full reasoning pipeline: what a system observes, what options it has, how outcomes are judged and how decisions improve through interaction with an environment. They begin with core principles of decision making, including goals, alternatives, constraints, outcomes, structured comparison and clear decision rules. The course then moves into more advanced models such as Markov Decision Processes, policy thinking, rewards, Bellman reasoning and the exploration versus exploitation trade-off. By the end, students design, implement and evaluate a complete AI-based decision-making solution for a real task. They also explain results with clear reasoning and communication effectively.
Prerequisites: ISA201 or AI201 or AI 201B and Sophomore Standing
Session Cycle: Every Fall Semester.

ISA 360. Data Warehousing in the Age of Big Data. 3 Credit Hours.
The main objective of this course is to provide students with an overview of the design and implementation of distributed, parallel databases that could handle massively large data sets that may include billions of rows of data. The major topic include the introduction of big data and its processing architecture, data warehouse, database components and architecture, data distribution, access, storage and data protection, and database tools and utilities. This course offers practical, hands-on experience with retrieving and manipulating data with advanced Structured Query Language (SQL), Hadoop, and NoSQL database.
Prerequisites: ISA 341
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 391. Information Systems and Analytics Internship. 3 Credit Hours.
ISA internships give students the opportunity for supervised employment in an area where they can apply the information system principles and techniques they have studied through our curriculum. Interns work at least ten hours per week, correspond periodically with a supervising faculty member, and prepare a substantive report on their work experience.
Prerequisites: ISA 221 and ISA 341 and junior standing is required.

ISA 400. Introduction to Deep Learning. 3 Credit Hours.
This course introduces the basic concepts of Neural Networks and Deep Learning. Students will learn the fundamental principles, formulations, underlying mathematics and deep learning implementation details in Pytorch. The course will also explore different deep learning model suitability for different data domains such as text, images and videos to deal with different tasks such as Natural Language Processing, Computer Vision, Decision Making, Healthcare and Financial Applications.
Prerequisites: ISA 340 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 410. Machine Learning with Robotics. 3 Credit Hours.
This course is designed to provide an in-depth understanding of robotics and associated machine learning concepts. It will explore how the industry leverages both open-source and proprietary technologies to build sophisticated robotic systems. Students will engage in hands-on learning, both individually and in teams, through experiments in 3D simulation environments and with actual robotic hardware. They will have the opportunity to work with a diverse range of equipment, including the Turtlebot 3, as well as Softbank Robotics' NAO and Pepper humanoid robots. This course aims to equip students with the knowledge and skills necessary to navigate and contribute to the rapidly evolving field of robotics.
Prerequisites: ISA340 or with permission of instructor. Sophomore Standing
Session Cycle: Every Fall.

ISA 421. Advanced Application Development. 3 Credit Hours.
This course builds on the fundamental programming skills learned in ISA 221. The fundamentals of data types, input and output control structures, methods and objects are presented in the context of the Java programming language. Students will learn to develop Object Oriented server-side applications that mediate between an information source such as a database and client application running in a browser. Modern web application development design techniques and patterns, such as Model View Controller (MVC), are discussed and presented.
Prerequisites: ISA 221
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 441. Systems Analysis and Information Technology Consulting. 3 Credit Hours.
Programming is only a small part of designing information systems. A systems analyst works like an investigative journalist, gathering information about the business problem so that an effective technology solution can be designed and constructed. This course teaches you what to look for and how to find it. You will learn structured techniques and less-structured guidelines which will aid in the search for understanding of the organization, its existing systems, and the proposed system. Programming design techniques are also covered. Teams of students will develop a plan for building a complete computer information system for a real or fictitious company.
Prerequisites: ISA 221 and ISA 341 and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 442. Project Management and Practice. 3 Credit Hours.
This course is intended to provide an introduction to Project Management as it applies to the Information Technology industry. The course will assist analysts, developers, team leaders and managers in developing an understanding of the purpose and benefits of project management by exposure to the concepts, practices, processes, tools, techniques, and resources used by the Project Manager during the project life cycle. The course will closely follow the framework of "best practices" of the Project Management Body of Knowledge, the leading professional standard for project management, with emphasis on its application to software and systems development projects.
Prerequisites: ISA 441 and senior standing
Session Cycle: Spring
Yearly Cycle: Varies.

ISA 445. Advanced Web Programming. 3 Credit Hours.
This course complements skills and content learned in ISA 345 Web Design and Development. The focus of ISA 345 is on browser/end user aspects of web operations while this course focuses on the server/provider aspects. Students will learn to develop server-side applications that mediate between an information source such as a database and the browser-end programs using popular web-application software. An introduction to XML and server side scripting is also presented.
Prerequisites: ISA 345
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ISA 460. Big Data Analytics and AI Applications. 3 Credit Hours.
The rapid growth of social media, the Internet of Things (IoT), and digital transformation has resulted in an unprecedented increase in both structured and unstructured data. Combined with advances in artificial intelligence (AI) and cloud computing, these developments have fundamentally transformed how data is processed and analyzed. This course equips students with the skills needed to store, manipulate, analyze, and visualize large-scale data in distributed computing environments. Students will learn data loading, cleaning, exploration, transformation, model building and tuning, as well as data visualization and communication using big data analytics frameworks and tools. In addition, the course introduces large language models, and the development of AI-powered applications through APIs from leading AI platforms. Students will gain hands-on experience by working with a large-scale, real-world dataset provided by an industry partner, culminating in a professional presentation of analytical insights and recommendations to the organization.
Prerequisites: ISA 340 and ISA 341
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 470. Managing Global Information Resources. 3 Credit Hours.
Information systems provide the framework for decision making across the functional areas of an organization and are major enablers of globalization. This course provides a foundation in the principles and concepts of managing information resources in a global environment. The course focuses on alternative approaches to managing information resources such as computers, communication networks, software, data and information in organizations. Students will learn how multinational corporations are using IT to develop business solutions and obtain competitive advantage. Emphasis will be placed on viewing the organization in a global perspective, with the associated technological, cultural and operational issues that influence information resource management. Several real-world cases will be used to enhance students' understanding of the course materials.
Prerequisites: ISA 201 and junior standing
Session Cycle: Fall
Yearly Cycle: Varies.

ISA 472. IT Security and Risk Management. 3 Credit Hours.
This course explores IT Security from the perspective of risk management. Assessment of IT systems is critical to developing strategies to mitigate and manage risks. This course focuses on effective assessment strategies that ultimately help the student to implement effective and proactive risk mitigation measures and risk management practices. This course focuses on the IT security threat environment, cryptography, securing networks, access control, firewalls, host hardening, application security, data protection, and incident response. A clear theoretical understanding supports a practical component. Students will learn to audit information systems and use contemporary security software including intrusion big data analysis.
Prerequisites: ISA 201 AND one of the following courses: ISA 221, ISA 311, ISA 341, ISA 343 and ISA 345. Junior Standing OR Permission of instructor
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ISA 490. Data Science Capstone. 3 Credit Hours.
To become an expert data scientist students need practice and experience. By completing this capstone project students will get an opportunity to apply the knowledge and skills that were gained throughout this major. This capstone project will test student skills in data visualization, data wrangling, data organization, machine learning, analysis, and presentation. Projects will be drawn from real-world problems and will be conducted with industry, government, and academic partners. During the project, students engage in the entire process of solving a real-world data science project, from defining the problem or opportunity, collecting and processing actual data, selecting and applying state of the art data science techniques to the problem and identifying actionable results. Emphasis will be placed on problem solving via state of the art data science pipelines and practices, and on the ability to “tell a story” using verbal, analytical, written and visualization skills.
Prerequisites: ISA 340 or instructor permission and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 497. Directed Study in Information Systems and Analytics. 3 Credit Hours.
This course provides an opportunity for senior information systems and analytics majors to do independent, in-depth study or research. The student works on an individual basis under the direction of a member of the ISA department. Normally the course requires the student to develop a substantial paper or project.
Prerequisites: Permission of the instructor and department chair approval.

Bachelor of Science in Business Administration: Information Systems Concentration

Bachelor of Science in Business Administration Degree with an Information Systems Concentration Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Information Systems Concentration Curriculum Requirements

Information Systems Concentration		
ISA 221	Introduction to Programming	3
ISA 341	Database Management System Principles	3
ISA 343	Infrastructure and Cloud Computing	3
ISA 441	Systems Analysis and Information Technology Consulting	3
Two Technology (ISA) electives (One must be at the 400 level)		
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
BUS 400	Business Policy	3
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3

A minimum of 18 credit hours is required for the concentration.

A minimum of 120 credit hours is required for graduation.

Information Systems Minor

Information Systems Minor Requirements

Students in the Information Systems minor will take:

ISA 221	Introduction to Programming	3
ISA 341	Database Management System Principles	3
Two (ISA) technology electives (One must be at the 400 level)		6

A minimum of 12 credit hours is required for the minor.

International Business Program

International Business Program

Graduates of the B.S. in International Business would develop a strong theoretical and practical foundation in international business. Our extensive, internationally focused coursework in both business and liberal arts provides the global perspective that is critical to succeed in the global business arena. Students develop real, hands-on global skills through study abroad and global internships - immersing themselves in a different culture and language. Bryant's BSIB Program is one of the few in the country that offers concentrations in business functions, providing students with both the breadth of international business and the depth of a specific field of business. The program also integrates many of the resources offered by The John H. Chafee Center for International Business. During their senior year, students become consultants for a regional or multinational company to solve a real international business challenge for their clients.

Objectives:

Students with a BSIB degree will be able to:

- Lead responsibly and creatively in the global business arena
- Understand the importance of a global perspective and its relevance when dealing with complex international issues that affect conducting business, including culture and business practices, the roles of institutions and government, environmental issues, as well as legal and ethical norms.
- Apply practical solutions to deal with complex issues in business and life.
- Demonstrate an understanding of the functional areas of business with special emphasis on issues and problems faced by managers of multinational businesses.
- Demonstrate an in-depth understanding of one functional area of concentration.
- Solve problems creatively and innovatively in the modern global business arena.
- Understand the role of technology in business, especially as it relates to globalization.
- Demonstrate an entrepreneurial spirit.
- Effectively lead and work in diverse teams.
- Incorporate perspectives from the humanities, arts and sciences to their business life.
- Apply their experience from study abroad, internships abroad, business simulations, and consulting projects to their post-graduation career.

Business Concentration

International Business majors are required to concentrate in a functional area of business (accounting, digital marketing, finance, global supply chain management, information systems, leadership and talent, marketing, or team and project management). Lists of faculty and concentration objectives can be found in the catalog under the specific departments. All courses will be described in the Course Descriptions section of the catalog.

International Business Minor

The Minor in International Business will facilitate the cultivation of a global perspective in our students, contributing to their achieving their

personal best in life and business. Through a combination of two required courses that are integrated across business functions and two electives that focus on the international aspects of specific business functions, minors will develop a broader and deeper understanding of the issues faced by companies engaged in international business, as well as the application of business theory and concepts to common problems faced by these businesses. This will lead to greater international awareness and enhanced technical skills for competing and leading in the global business environment.

Faculty

Professor
Sharmin Attaran
Professor, Marketing

Professor
Lori Coakley
Professor, Management

Professor
A. Can Inci
Finance

Professor
Crystal Jiang
Professor, Management

Professor
Suhong Li
Professor, Information Systems and Analytics

Professor
Peter Nigro
Professor, Finance

Professor
Michael Roberto
Professor, Management

Professor
Hakan Saraoglu
Professor, Finance

Professor
Srdan Zdravkovic
Professor, Marketing

Associate Professor
Andres Ramirez
Associate Professor, Finance

Associate Professor
Elzotbek Rustambekov
Associate Professor, Management

Associate Professor
Cathy Zheng
Associate Professor, Finance

Assistant Professor
R. Isil Yavuz
Assistant Professor, Entrepreneurship

Lecturer
Maura Dowling
Lecturer, Finance

Lecturer
T.V. Jayaraman
Lecturer, Management

Lecturer
Mehreen Pasha
Lecturer, Management & Marketing

Lecturer
Mark Vozella
Lecturer, Management

Majors

- International Business Major – Accounting Concentration (p. 61)
- International Business Major - Digital Marketing Concentration (p. 62)
- International Business Major – Finance Concentration (p. 63)
- International Business Major – Global Supply Chain Management Concentration (p. 64)
- International Business Major – Information Systems Concentration (p. 65)
- International Business Major - Leadership and Talent Management Concentration (p. 66)
- International Business Major – Marketing Concentration (p. 66)
- International Business Major – Team and Project Management (p. 68)

Minor

- International Business Minor (p. 68)

Courses

IB 201. Global Foundations for International Business. 3 Credit Hours.
The course develops the cultural literacy, global economic understanding, and institutional awareness students need to interpret international business environments and operate effectively across countries and cultures. The course is intentionally modular and interdisciplinary. It draws on international business, economics, political science, history, law, communication, and cultural studies to help students understand how firms, governments, communities, and individuals respond to global change. Students will examine real-world international business situations; practice structured cultural and country analysis and build a personal global competency portfolio connected to their academic concentration and career goals.
Prerequisites: Sophomore Standing
Session Cycle: Every Fall and Spring Semester.

IB 356. International Business Management. 3 Credit Hours.
The International Business Management course provides an overview of the cultural, economic, legal, and political forces that shape the environment of international business. Students will develop knowledge and skills to help them manage businesses across international boundaries. This is an upper level course that emphasizes the ability of effective oral and written communication, the application of analytical reasoning, the development of specific research skills for assessing the international context, and the use of experiential exercises to sensitize students to cultural differences. Prerequiste: Junior Standing and IB major.
Session Cycle: Spring
Yearly Cycle: Annual.

IB 385. Special Topics in International Business. 3 Credit Hours.
Topics under this course heading will vary from year to year according to student interest, faculty availability, and timely developments in the area of International Business or any of its functional areas. Refer to Banner web catalog for semester specific special topics course titles and descriptions.
Prerequisites: Junior standing.

IB 387. Financial and Economic Developments in Latin America. 3 Credit Hours.
This survey course is intended to provide an overview of the contemporary financial and economic environment in Latin America with a focus of doing business in Mexico, Chile, Brazil and Argentina. The topics will include an examination of the social, economic and political forces that affect business in Latin America.
Prerequisites: Sophomore standing and FIN 201 or FIN 201G
Session Cycle: Fall
Yearly Cycle: Varies.

IB 391. Internship in International Business. 3 Credit Hours.
Students engage in supervised employment in an area of international business (such as Information Systems, Finance, Management, or Marketing) which involves the application of international business theory and principles to the work environment. Interns work at least 10 hours a week, correspond periodically with a supervising faculty member, and prepare a substantive report on work experience and research.
Prerequisites: BSIB major, overall GPA of 2.5 or greater, approval of a supervising faculty member, approval of the IB coordinator and junior/senior standing.

IB 490. International Business Practicum. 3 Credit Hours.
International Business Practicum, is a capstone course for IB majors that is a combination of global business strategy and practical business experience. The course builds on class room discussions about IB theory by providing aspects of international business. Students operate as consultants for clients from John H. Chafee Center for International Business by identifying, analyzing and designing market entry, development and competitive strategies for new global markets.
Prerequisites: BSIB major and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

IB 497. Directed Study in International Business. 3 Credit Hours.
This course allows qualified seniors majoring in International Business to do an in-depth study or research under the direction of an appropriate internationally focused faculty member of Information Systems, Finance, Management, or Marketing.
Prerequisites: BSIB major, overall gpa of 3.0 or greater, or approval of supervising faculty member, approval of the IB coordinator, and senior standing.

International Business Major – Accounting Concentration

Bachelor of Science in International Business with an Accounting Concentration Requirements:

General Education Requirements (p. 25)

[1] **International Business Students: Must take four courses with an international focus to complete the degree.**

University Minor Requirements (p. 207)

International Business Major Requirements - Accounting Concentration

International Academic Experience		
International Study Abroad [2]		
International Business: Accounting Concentration		
ACG 301	Financial Reporting I	3
ACG 302	Financial Reporting II	3
ACG 311	Cost Management	3
ACG 345	Accounting Information Systems	3
ACG 351	Corporate Taxation	3
or ACG 352	Individual Taxation	
ACG 442	Auditing Concepts Applications	3
Three Accounting Electives		9
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
FIN 201G	Global Dimensions of Financial Management [3]	3
or FIN 201	Financial Management	
ISA 201G	Introduction to Global Information Technology and Analytics [4]	3
or ISA 201	Introduction to Information Technology and Analytics	
LGLS 451	International Business Law	3
MGT 201G	Global Dimensions of Operations Management [5]	3
or MGT 201	Operations Management	
MKT 201G	Global Dimensions of Marketing [6]	3
or MKT 201	Foundations of Marketing Management	
IB 490	International Business Practicum	3
International Business Integrative Experience		
FIN 368	Multinational Finance	3
IB 201	Global Foundations for International Business	3
IB 356	International Business Management	3
MKT 368	International Marketing	3
Minor Requirement [7]		

A minimum of 27 credit hours is required for the concentration.

A minimum of 12 credit hours for the International Business Integrative Experience.

A minimum of 120 credit hours is required for graduation.

1 International Business Students: Must take four courses with an international focus to complete the degree.
2 Within the 120 credits comprising the program distribution, the equivalent of at least 12 semester hours of credit must be taken as international study abroad except for students on an F1 Visa.
3 Or take FIN 201 with IB program approval.
4 Or take ISA 201 with IB program approval.
5 Or take MGT 201 with IB program approval.
6 Or take MKT 201 with IB program approval.
7 International Business Majors must complete a 12-credit minor from the College of Humanities and Social Sciences or the College of Health and Behavioral Sciences.

International Business Major - Digital Marketing Concentration

Bachelor of Science in International Business Degree with a Digital Marketing Concentration Requirements:

General Education Requirements (p. 25)

1 **International Business Students: Must take four courses with an international focus to complete the degree.**

University Minor Requirements (p. 207)

Graduates of the B.S. in International Business develop a strong theoretical and practical foundation in international business. Our extensive, internationally focused coursework in both business and liberal arts provides the global perspective that is critical to succeed in the global business arena.

Bryant's BSIB Program is distinctive in offering concentrations in business functions, providing students with both the breadth of international business and the depth of a specific field of business. This structure allows students to align their international business studies with career interests in areas such as finance, marketing, management, analytics, entrepreneurship, and other globally oriented fields.

BSIB students build practical global competencies through a study abroad semester, applied coursework, and experiential learning. During their senior year, students become consultants for a regional or multinational company to solve a real international business challenge for their clients.

The program emphasizes cultural intelligence, global market analysis, cross-cultural communication, institutional understanding, adaptability, and problem-solving in international contexts. Students may also pursue foreign language minor studies as an optional pathway to deepen their cultural and regional expertise.

International Business Major Requirements - Digital Marketing concentration

International Academic Experience		
International Study Abroad [2]		
International Business: Digital Marketing Concentration		
Required Courses:		
MKT 311	Consumer Behavior	3
MKT 312	Marketing Research	3
MKT 381	Digital Marketing	3
MKT 412	Marketing Policy and Problems	3
MKT 481	Digital Marketing II	3
Student must pick one (1) Marketing Elective from the list below:		
MKT 360	Retail Management	3
MKT 363	Personal Selling	3
MKT 371	Advertising and Integrated Marketing Communication	3
MKT 382	New Product Development	3
MKT 461	Marketing Analytics	3
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
FIN 201G	Global Dimensions of Financial Management [4]	3
or FIN 201	Financial Management	
ISA 201G	Introduction to Global Information Technology and Analytics [5]	3
or ISA 201	Introduction to Information Technology and Analytics	
LGLS 451	International Business Law	3
MGT 201G	Global Dimensions of Operations Management [6]	3
or MGT 201	Operations Management	
MKT 201G	Global Dimensions of Marketing [7]	3
or MKT 201	Foundations of Marketing Management	
IB 490	International Business Practicum	3
International Business Integrative Experience		
FIN 368	Multinational Finance	3
IB 201	Global Foundations for International Business	3
IB 356	International Business Management	3
MKT 368	International Marketing	3
International Business Electives		
Select two approved courses		
Language Minor Requirement [3]		

A minimum of 21 credit hours is required for the concentration.

A minimum of 12 credit hours for the International Business Integrative Experience.

A minimum of 120 credit hours is required for graduation.

1 International Business Students: Must take four courses with an international focus to complete the degree.

[2] Within the 120 credits comprising the program distribution, the equivalent of at least 12 semester hours of credit must be taken as international study abroad except for students on an F1 Visa.
[3] International Business majors must complete a 12-credit minor from the College of Humanities and Social Science or College of Health and Behavioral Sciences.
[4] Or FIN 201 with IB program approval.
[5] Or ISA 201 with IB program approval.
[6] Or MGT 201 with IB program approval.
[7] Or MKT 201 with IB program approval.

International Business Major – Finance Concentration

Bachelor of Science in International Business Degree with a Finance Concentration Requirements:

General Education Requirements (p. 25)

[1] **International Business Students: Must take four courses with an international focus to complete the degree.**

University Minor Requirements (p. 207)

Graduates of the B.S. in International Business develop a strong theoretical and practical foundation in international business. Our extensive, internationally focused coursework in both business and liberal arts provides the global perspective that is critical to succeed in the global business arena.

Bryant's BSIB Program is distinctive in offering concentrations in business functions, providing students with both the breadth of international business and the depth of a specific field of business. This structure allows students to align their international business studies with career interests in areas such as finance, marketing, management, analytics, entrepreneurship, and other globally oriented fields.

BSIB students build practical global competencies through a study abroad semester, applied coursework, and experiential learning. During their senior year, students become consultants for a regional or multinational company to solve a real international business challenge for their clients.

The program emphasizes cultural intelligence, global market analysis, cross-cultural communication, institutional understanding, adaptability, and problem-solving in international contexts. Students may also pursue foreign language minor studies as an optional pathway to deepen their cultural and regional expertise.

International Business Major Requirements – Finance Concentration

International Academic Experience		
International Study Abroad [2]		
International Business: Finance Concentration		
FIN 310	Intermediate Corporate Finance	3
FIN 312	Investments	3
FIN 315	Financial Institutions and Markets	3
FIN 370	Financial Statement Analysis [12]	3
or FIN 371	Archway Financial Statement and Security Analysis	
or FIN 380	Financial Modeling	
or FIN 465	Innovations in Contemporary Finance	
or FIN 466	Data Analysis for Finance	
Two Finance Electives [3,4]		
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
FIN 201G	Global Dimensions of Financial Management [5]	3
or FIN 201	Financial Management	
ISA 201G	Introduction to Global Information Technology and Analytics [6]	3
or ISA 201	Introduction to Information Technology and Analytics	
LGLS 451	International Business Law	3
MGT 201G	Global Dimensions of Operations Management [7]	3
or MGT 201	Operations Management	
MKT 201G	Global Dimensions of Marketing [8]	3
or MKT 201	Foundations of Marketing Management	
IB 490	International Business Practicum	3
International Business Integrative Experience [9,10]		
FIN 368	Multinational Finance	3
IB 201	Global Foundations for International Business	3
IB 356	International Business Management	3
MKT 368	International Marketing	3
International Business Electives		
Select two approved courses		
Liberal Arts Elective		
One Elective		
Minor Requirement [11]		

A minimum of 18 credit hours is required for the concentration.

A minimum of 12 credit hours for the International Business Integrative Experience.

A minimum of 120 credit hours is required for graduation.

[1] International Business Students: Must take four courses with an international focus to complete the degree.
[2] Within the 120 credits comprising the program distribution, the equivalent of at least 12 semester hours of credit must be taken as international study abroad except for students on an F1 Visa.
[3] One must be at 400-level.
[4] Can include FIN 368 from I.B. Integrative Experience.
[5] Or FIN 201 with IB program approval.
[6] Or ISA 201 with IB program approval.
[7] Or MGT 201 with IB program approval.
[8] Or MKT 201 with IB program approval.
[9] 9 credits net for the Finance concentration.
[10] 3 credits from the concentration can be satisfied by FIN 368.
[11] International Business majors must complete a 12-credit minor from the College of Humanities and Social Sciences or College of Health and Behavioral Sciences.

[12] FIN 370 and FIN 371 are equivalent courses. Cannot take both. FIN 371 needs instructor approval.

International Business Major – Global Supply Chain Management Concentration

Bachelor of Science in International Business Degree with a Global Supply Chain Management Concentration Requirements:

General Education Requirements (p. 25)

[1] **International Business Students: Must take four courses with an international focus to complete the degree.**

University Minor Requirements (p. 207)

Graduates of the B.S. in International Business develop a strong theoretical and practical foundation in international business. Our extensive, internationally focused coursework in both business and liberal arts provides the global perspective that is critical to succeed in the global business arena.

Bryant's BSIB Program is distinctive in offering concentrations in business functions, providing students with both the breadth of international business and the depth of a specific field of business. This structure allows students to align their international business studies with career interests in areas such as finance, marketing, management, analytics, entrepreneurship, and other globally oriented fields.

BSIB students build practical global competencies through a study abroad semester, applied coursework, and experiential learning. During their senior year, students become consultants for a regional or multinational company to solve a real international business challenge for their clients.

The program emphasizes cultural intelligence, global market analysis, cross-cultural communication, institutional understanding, adaptability, and problem-solving in international contexts. Students may also pursue foreign language minor studies as an optional pathway to deepen their cultural and regional expertise.

International Business Major Requirements – Global Supply Chain Management Concentration

International Academic Experience		
International Study Abroad [2]		
International Business: Global Supply Chain Management Concentration		
GSCM 330	Basic Modeling and Analysis of Global Supply Chains	3
GSCM 490	Empirical Applications in Supply Chain Management	3
Select four of the following: [3]		
GSCM 301	Supply Chain Management Concepts	3
GSCM 310	Supply Chain Integration	3
GSCM/ISA 320	Information Technology in Supply Chain Management	3
GSCM 391	Supply Chain Management Internship	3
GSCM 410	International Trade Logistics and Transportation [4]	3
GSCM 420	Process Analysis and Improvement	3
GSCM 430	Global Sourcing and Supply Management	3
GSCM 440	Corporate Social Responsibility in the Global Supply Chain	3
GSCM 497	Directed Study in Supply Chain Management	3
ISA 332	E Business Models	3
MKT 410	Business To Business Marketing	3
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
FIN 201G	Global Dimensions of Financial Management [5]	3
or FIN 201	Financial Management	
ISA 201G	Introduction to Global Information Technology and Analytics [6]	3
or ISA 201	Introduction to Information Technology and Analytics	
LGLS 451	International Business Law	3
MGT 201G	Global Dimensions of Operations Management [7]	3
or MGT 201	Operations Management	
MKT 201G	Global Dimensions of Marketing [8]	3
or MKT 201	Foundations of Marketing Management	
IB 490	International Business Practicum	3
International Business Integrative Experience		
FIN 368	Multinational Finance	3
IB 201	Global Foundations for International Business	3
IB 356	International Business Management	3
MKT 368	International Marketing	3
International Business Electives		
Select two approved courses [9]		
Liberal Arts Elective		
One Elective		
Minor Requirement [10]		

A minimum of 18 credit hours is required for the concentration.

A minimum of 12 credit hours for the International Business Integrative Experience.

A minimum of 120 credit hours is required for the graduation.

1. International Business Students: Must take four courses with an international focus to complete the degree.
2. Within the 120 credits comprising the program distribution, the equivalent of at least 12 semester hours of credit must be taken as international study abroad except for students on an F1 Visa.
3. Must include a minimum of nine credits from GSCM courses and one 400-level GSCM elective.
4. GSCM 410 or ISA 332 can also serve as an IB elective.
5. Or FIN 201 with IB program approval.

[6] Or ISA 201 with IB program approval.
[7] Or MGT 201 with IB program approval.
[8] Or MKT 201 with IB program approval.
[9] 3 credits from net from GSCM concentration if GSCM 410 or ISA 332 is selected as both an IB and concentration elective.
[10] International Business Majors must complete a 12-credit minor from the College of Humanities and Social Sciences or College of Health and Behavioral Sciences

International Business Major - Information Systems Concentration

Bachelor of Science in International Business Degree with an Information Systems Concentration Requirements:

General Education Requirements (p. 25)

[1] **International Business Students: Must take four courses with an international focus to complete the degree.**

University Minor Requirements (p. 207)

Graduates of the B.S. in International Business develop a strong theoretical and practical foundation in international business. Our extensive, internationally focused coursework in both business and liberal arts provides the global perspective that is critical to succeed in the global business arena.

Bryant's BSIB Program is distinctive in offering concentrations in business functions, providing students with both the breadth of international business and the depth of a specific field of business. This structure allows students to align their international business studies with career interests in areas such as finance, marketing, management, analytics, entrepreneurship, and other globally oriented fields.

BSIB students build practical global competencies through a study abroad semester, applied coursework, and experiential learning. During their senior year, students become consultants for a regional or multinational company to solve a real international business challenge for their clients.

The program emphasizes cultural intelligence, global market analysis, cross-cultural communication, institutional understanding, adaptability, and problem-solving in international contexts. Students may also pursue foreign language minor studies as an optional pathway to deepen their cultural and regional expertise.

International Business Major Requirements - Information Systems Concentration

International Academic Experience		
International Study Abroad [2]		
International Business: Information Systems Concentration		
ISA 221	Introduction to Programming	3
ISA 341	Database Management System Principles	3
ISA 343	Infrastructure and Cloud Computing	3
ISA 441	Systems Analysis and Information Technology Consulting	3
Two technology (ISA) electives (One must be 400 level) [3]		
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
FIN 201G	Global Dimensions of Financial Management [4]	3
or FIN 201	Financial Management	
ISA 201G	Introduction to Global Information Technology and Analytics [5]	3
or ISA 201	Introduction to Information Technology and Analytics	
LGLS 451	International Business Law	3
MGT 201G	Global Dimensions of Operations Management [6]	3
or MGT 201	Operations Management	
MKT 201G	Global Dimensions of Marketing [7]	3
or MKT 201	Foundations of Marketing Management	
IB 490	International Business Practicum	3
International Business Integrative Experience		
IB 201	Global Foundations for International Business	3
IB 356	International Business Management	3
FIN 368	Multinational Finance	3
MKT 368	International Marketing	3
International Business Electives		
Select two approved courses [8]		
Minor Requirement [9]		

A minimum of 18 credit hours is required for the concentration.

A minimum of 12 credit hours for the International Business Integrative Experience.

A minimum of 120 credit hours is required for graduation.

[1] International Business Students: Must take four courses with an international focus to complete the degree.
[2] Within the 120 credits comprising the program distribution, the equivalent of at least 12 semester hours of credit must be taken as international study abroad except for students on an F1 Visa.
[3] Can include ISA 332 or ISA 470 that can also serve as an IB Elective
[4] Or FIN 201 with IB program approval.
[5] Or ISA 201 with IB program approval.
[6] Or MGT 201 with IB program approval.
[7] Or MKT 201 with IB program approval.
[8] 3 credits net for IS concentration if ISA 332 or ISA 470 is selected as both an IB and concentration technology elective.
[9] International Business Majors must complete a 12-credit minor from the College of Humanities and Social Sciences or the College of Health and Behavioral Sciences.

International Business Major – Marketing Concentration

Bachelor of Science in International Business Degree with a Marketing Concentration Requirements:

General Education Requirements (p. 25)

[1] **International Business Students: Must take four courses with an international focus to complete the degree.**

University Minor Requirements (p. 207)

Graduates of the B.S. in International Business develop a strong theoretical and practical foundation in international business. Our extensive, internationally focused coursework in both business and liberal arts provides the global perspective that is critical to succeed in the global business arena.

Bryant's BSIB Program is distinctive in offering concentrations in business functions, providing students with both the breadth of international business and the depth of a specific field of business. This structure allows students to align their international business studies with career interests in areas such as finance, marketing, management, analytics, entrepreneurship, and other globally oriented fields.

BSIB students build practical global competencies through a study abroad semester, applied coursework, and experiential learning. During their senior year, students become consultants for a regional or multinational company to solve a real international business challenge for their clients.

The program emphasizes cultural intelligence, global market analysis, cross-cultural communication, institutional understanding, adaptability, and problem-solving in international contexts. Students may also pursue foreign language minor studies as an optional pathway to deepen their cultural and regional expertise.

International Business Major Requirements - Marketing Concentration

International Academic Experience		
International Study Abroad [2]		
International Business: Marketing Concentration		
MKT 311	Consumer Behavior	3
MKT 312	Marketing Research	3
MKT 412	Marketing Policy and Problems	3
Three Marketing Electives [3,4]		
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
FIN 201G	Global Dimensions of Financial Management [5]	3
or FIN 201	Financial Management	
ISA 201G	Introduction to Global Information Technology and Analytics [6]	3
or ISA 201	Introduction to Information Technology and Analytics	
LGLS 451	International Business Law	3
MGT 201G	Global Dimensions of Operations Management [7]	3
or MGT 201	Operations Management	
MKT 201G	Global Dimensions of Marketing [8]	3
or MKT 201	Foundations of Marketing Management	
IB 490	International Business Practicum	3
International Business Integrative Experience [9]		
FIN 368	Multinational Finance	3
IB 201	Global Foundations for International Business	3
IB 356	International Business Management	3
MKT 368	International Marketing	3
International Business Electives		
Select two approved courses		6
Minor Requirement [10]		

A minimum of 21 credit hours is required for the concentration.

A minimum of 12 credit hours for the International Business Integrative Experience.

A minimum of 120 credit hours is required for graduation.

[1] International Business Students: Must take four courses with an international focus to complete the degree.
[2] Within the 120 credits comprising the program distribution, the equivalent of at least 12 semester hours of credit must be taken as international study abroad except for students on an F1 Visa.
[3] Must include one 400-level elective.
[4] Can include MKT 368 from I.B. Integrative Experience.
[5] Or FIN 201 with IB program approval.
[6] Or ISA 201 with IB program approval.
[7] Or MGT 201 with IB program approval.
[8] Or MKT 201 with IB program approval.
[9] 3 credits from the concentration can be satisfied by MKT 368.
[10] International Business majors must complete a 12-credit minor in the College of Humanities and Social Sciences or the College of Health and Behavioral Sciences.

International Business Major: Leadership and Talent Management Concentration

Bachelor of Science in International Business Degree with a Leadership and Talent Concentration Requirements:

General Education Requirements (p. 25)

- [1]
- International Business Students: Must take four courses with an international focus to complete the degree.

University Minor Requirements (p. 207)

Graduates of the B.S. in International Business develop a strong theoretical and practical foundation in international business. Our extensive, internationally focused coursework in both business and

liberal arts provides the global perspective that is critical to succeed in the global business arena.

Bryant's BSIB Program is distinctive in offering concentrations in business functions, providing students with both the breadth of international business and the depth of a specific field of business. This structure allows students to align their international business studies with career interests in areas such as finance, marketing, management, analytics, entrepreneurship, and other globally oriented fields.

BSIB students build practical global competencies through a study abroad semester, applied coursework, and experiential learning. During their senior year, students become consultants for a regional or multinational company to solve a real international business challenge for their clients.

The program emphasizes cultural intelligence, global market analysis, cross-cultural communication, institutional understanding, adaptability, and problem-solving in international contexts. Students may also pursue foreign language minor studies as an optional pathway to deepen their cultural and regional expertise.

International Business Major: Leadership and Talent Management Concentration Curriculum Requirements:

International Academic Experience		
International Study Abroad [2]		
International Business: Leadership and Talent Management Concentration		
Required Courses:		
MGT 302	Organizational Behavior	3
MGT 312	Human Resources Management	3
MGT 464	Employment Relations	3
MGT 480	Leadership Seminar (Students must pick a track then take 2 electives from the chosen track. One must be at a 400 level.)	3
Students must pick a track then take 2 electives from the chosen track. One must be at a 400 level.		
Leadership Track		
MGT 382	Strategic Management of Technological Innovation	3
MGT 391	Management Internship	3
MGT 440	The Design Thinking Process	3
MGT 461	Cases in Global Business Management	3
MGT 462	Project Management I	3
MGT 463	Power and Influence	3
MGT 476	Team Building and Conflict Resolution	3
MGT 477	Women and Leadership Strategies for Success and Professional Development	3
Talent Management Track		
MGT 357	Diversity in a Global Environment	3
MGT 358	Global Dimensions of Human Resource Management	3
MGT 380	Compensation Management	3
MGT 391	Management Internship	3
MGT 451	Human Resources Development	3
MGT 452	Human Resource Metrics and Analytics	3
MGT 478	Strategic Human Resource Management SHRM	3
Business Core Requirements:		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201	Introduction to Artificial Intelligence	3
or AI 201B	Introduction to Artificial Intelligence for Business	
FIN 201G	Global Dimensions of Financial Management [4]	3
or FIN 201	Financial Management	
ISA 201G	Introduction to Global Information Technology and Analytics [5]	3
or ISA 201	Introduction to Information Technology and Analytics	
LGLS 451	International Business Law	3
MGT 201G	Global Dimensions of Operations Management [6]	3
or MGT 201	Operations Management	
MKT 201G	Global Dimensions of Marketing [7]	3
or MKT 201	Foundations of Marketing Management	
IB 490	International Business Practicum	3
International Business Integrative Experience		
FIN 368	Multinational Finance	3
IB 201	Global Foundations for International Business	3
IB 356	International Business Management	3
MKT 368	International Marketing	3
International Business Elective		
Select two approved courses		
Minor Requirements [3]		

A minimum of 18 credit hours is required for the concentration.

A minimum of 12 credit hours for the International Business Integrative Experience.

A minimum of 120 credit hours required for graduation.

1 International Business Students: Must take four courses with an international focus to complete the degree.
2 Within the 120 credits comprising the program distribution, the equivalent of at least 12 semester hours of credit must be taken as international study abroad except for students on an F1 Visa.
3 International Business majors must complete a 12-credit minor from the College of Humanities and Social Sciences or College of Health and Behavioral Science.
4 Or FIN 201 with IB program approval.
5 Or ISA 201 with IB program approval.
6 Or MGT 201 with IB program approval.
7 Or MKT 201 with IB program approval.

International Business Major - Team and Project Management Concentration

Bachelor of Science in International Business Degree with a Team and Project Management Concentration Requirements:

General Education Requirements (p. 25)

[1] **International Business Students: Must take four courses with an international focus to complete the degree.**

University Minor Requirements (p. 207)

Graduates of the B.S. in International Business develop a strong theoretical and practical foundation in international business. Our extensive, internationally focused coursework in both business and liberal arts provides the global perspective that is critical to succeed in the global business arena.

Bryant's BSIB Program is distinctive in offering concentrations in business functions, providing students with both the breadth of international business and the depth of a specific field of business. This structure allows students to align their international business studies with career interests in areas such as finance, marketing, management, analytics, entrepreneurship, and other globally oriented fields.

BSIB students build practical global competencies through a study abroad semester, applied coursework, and experiential learning. During their senior year, students become consultants for a regional or multinational company to solve a real international business challenge for their clients.

The program emphasizes cultural intelligence, global market analysis, cross-cultural communication, institutional understanding, adaptability, and problem-solving in international contexts. Students may also pursue foreign language minor studies as an optional pathway to deepen their cultural and regional expertise.

International Business Major Requirements - Team and Project Management Concentration

International Academic Experience		
International Study Abroad [2]		
International Business: Team and Project Management Concentration		
IB 356	International Business Management	3
MGT 302	Organizational Behavior	3
MGT 462	Project Management I	3
MGT 486	Project Management II	3
Select one course from the following:		
MGT 391	Management Internship	3
MGT 463	Power and Influence	3
MGT 476	Team Building and Conflict Resolution	3
One Management Elective		**3**
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
FIN 201G	Global Dimensions of Financial Management [3]	3
or FIN 201	Financial Management	
ISA 201G	Introduction to Global Information Technology and Analytics [4]	3
or ISA 201	Introduction to Information Technology and Analytics	
LGLS 451	International Business Law	3
MGT 201G	Global Dimensions of Operations Management [5]	3
or MGT 201	Operations Management	
MKT 201G	Global Dimensions of Marketing [6]	3
or MKT 201	Foundations of Marketing Management	
IB 490	International Business Practicum	3
International Business Integrative Experience		
FIN 368	Multinational Finance	3
IB 201	Global Foundations for International Business	3
IB 356	International Business Management [7]	3
MKT 368	International Marketing	3
International Business Electives		
Select two approved courses		
Minor Requirement [8]		

A minimum of 21 credit hours is required for the concentration.

A minimum of 12 credit hours for the International Business Integrative Experience.

A minimum of 120 credit hours is required for graduation.

[1] International Business Students: Must take four courses with an international focus to complete the degree.

[2] Within the 120 credits comprising the program distribution, the equivalent of at least 12 semester hours of credit must be taken as international study abroad except for students on an F1 Visa.

[3] Or FIN 201 with IB program approval.

[4] Or ISA 201 with IB program approval.

[5] Or MGT 201 with IB program approval.

[6] Or MKT 201 with IB program approval.

[7] 3 credits from IB 356 concentration requirement counts in the International Business Integrative Experience.

[8] International Business Majors must complete a 12-credit minor from the College of Humanities and Social Sciences or the College of Health and Behavioral Sciences.

International Business Minor

International Business Minor Requirements:

Required Course:		
MGT 356	International Business Management	3
Electives: Students must pick three electives from list below (must include one 400-level course):		

FIN 368	Multinational Finance	3
GSCM 410	International Trade Logistics and Transportation	3
IB 387	Financial and Economic Developments in Latin America	3
MGT 357	Diversity in a Global Environment	3
MKT 368	International Marketing	3
BUS/FIN/MGT 413	Multinational Business Simulation	3

A minimum of 12 credit hours is required for the minor.

[1] If SIE program is business-focused. Subject to IB program approval.

Department of Management

Bryant's Department of Management prepares students to turn ideas into action and get things done developing important leadership knowledge and skills. Through hands-on projects, real-world partnerships, competitions, simulations, and experiential learning, students develop the leadership, strategic thinking, collaboration, and execution skills needed to solve complex problems, make difficult decisions and create meaningful results. The department brings together expertise in entrepreneurship, global supply chain management, healthcare strategy and management, international business, leadership and talent management, and team and project management. Across these fields, students learn to critically assess a variety of challenging situations, lead people, manage projects, improve organizations, and navigate an increasingly complex and interconnected world. Our integrated approach prepares students to work across functions, disciplines, and organizational boundaries. Whether launching a venture, strengthening an organization, leading a team, or managing a global supply network, our graduates are prepared not only to envision what is possible, but to make it happen.

Healthcare Management and Strategy Concentration (HMS)

Objectives:

- Cultivate a holistic understanding of healthcare systems and business operations.
- Develop expertise in data-driven decision-making in healthcare.
- Evaluate and apply supply chain management principles specific to the healthcare sector, including logistics, procurement, and distribution of medical products and services.

In the interdisciplinary Healthcare Management & Strategy Concentration, students will work with experienced faculty and engage in hands-on, practical projects with healthcare organizations. These broad course offerings in the concentration allow students to curate the skills needed for different healthcare careers. The concentration prepares students for a myriad of roles and careers post-graduation such as Pharmaceutical Sales, Health Care Clinic Manager, Hospital Administrator, Medical Representative, Director of Clinical Supply Chain Operations, Product Manager – Medical Devices, Marketing Manager – Pharmaceuticals, Healthcare Consultant, Project Manager – Healthcare, and more.

Additionally, Healthcare Management & Strategy is a value-add for students interested in medical post-graduate studies, such as medical school, physician assistant school, and nurse practitioner school.

College of Business students concentrating in the Healthcare Management and Strategy will be required to fulfill the business core and minor in the School of Health and Behavioral Science in either Biology, Biotechnology, Health & Wellness, or Nutrition.

Leadership and Talent Management Concentration (LTM)

Objectives:

Through this concentration, students should:

- Demonstrate leadership, decision making, negotiation, and teamwork capabilities
- Design strategies to foster intrinsic and extrinsic motivation to achieve team and organizational goals
- Design systems to attract, develop, reward, and retain talented members of an enterprise.
- Assess critical human resource processes, including but not limited to staffing, performance appraisal, compensation, training and development, employment relations, collective bargaining, and dispute resolution.
- Assess the internal capabilities, structure and culture of an organization that lead to high performance with respect to all stakeholders
- Deploy analytics to evaluate job candidates and employee performance
- Apply ethical standards to business decision making
- Design an organizational environment which respects, values, and capitalizes on the different backgrounds, experiences, and talents of all members.

Overview:

Successful enterprises need leaders who can attract talented people with varied backgrounds and experiences and then manage them in such a way that leads to high performance. These leaders need a variety of skills and capabilities to empower, motivate, and direct others effectively. Through this concentration, students will develop the leadership, decision-making, negotiation, and teamwork skills they need to become successful managers. Students must select either the Leadership track or the Talent Management track.

- The Leadership track focuses on how to build the culture and processes that lead to high performance, as well as how to empower and motivate others. Moreover, it offers the opportunity to enhance one's innovation management and design thinking skills. Students in this track will be well prepared to enter management development programs and product management positions of various kinds.
- The Talent Management track provides an in-depth understanding of the critical human resource functions in an organization. Students in this track will be well prepared to secure positions in human resources, in areas such as staffing, compensation, organizational development, and people analytics.

Team and Project Management Concentration (TPM)

Objectives:

- To develop skills to work on, lead and manage teams to implement strategic change.
- To develop negotiation and interpersonal skills.
- To develop communication skills to present clear and direct solutions to corporate problems.
- To develop critical thinking and analytical abilities to quickly and correctly interpret key business metrics.
- To help students understand the importance of social consciousness and civic responsibility.
- To develop the skills required to collect and analyze data, prepare analytical reports, develop detailed project plans, coordinate resource procurement, manage budgets, and make crucial staffing decisions.
- To understand how different cultures and backgrounds impact a project.

The main purpose of the concentration in Project and Team Management is to prepare students to manage teams and projects in a very dynamic business environment. Organizations must be innovative and agile, and In these courses, you will develop project management judgment through the use of case studies and small projects and will learn to solve realistic project problems. There is a need to rapidly introduce new project or services to the marketplace. World-class organizations succeed, in part, because of their ability to manage change, and it is the task of the project managers to make those changes happen. Project Management is used in a variety of business environments to manage complex, non-routine, one-time endeavors. "It has been an essential tool in projects as diverse as restructuring the management processes of the United States Military, the reconstruction of domestic infrastructure after natural disasters, development of new and updated consumer products such as smartphones, tablets and laptops, and various construction projects across the Bryant campus." These problems all require planning, directing, and controlling resources to meet the technical requirements, cost targets, and time constraints of a project. Project managers use a set of tools and techniques to manage resources to meet the project objectives.

The concentration courses focus on these tools and techniques, with attention to both the quantitative and the qualitative aspects of project management. In these courses, you will develop project management judgment through the use of case studies and small projects and will learn to solve realistic project problems. In Project Management I, topics include project scheduling, time-cost trade-offs, budgeting, cost control, and project monitoring, as well as project organization, team development, and risk management. In Project Management II, greater depth will be provided on key processes and concepts touched upon in Project Management I. Students will be asked to run a simulated project with international components, and they will be given the opportunity to earn certification as a Certified Scrum Master (CSM) which enables them to lead projects using the agile project management methodology. Our PM II students can then graduate not only a concentration in TPM but also a highly in-demand professional certification.

Healthcare Management and Strategy Minor

Supply Chain in the Business of Healthcare In the interdisciplinary Healthcare Management & Strategy Minor, students will work with experienced faculty and engage in hands-on, practical projects with healthcare organizations. This broad course offerings in the concentration allow students to curate the skills needed for different healthcare careers. The minor works in conjunction with dozens of majors to prepare students for a myriad of roles and careers post-graduation such as Pharmaceutical Sales, Health Care Clinic Manager, Hospital Administrator, Medical Representative, Director of Clinical Supply Chain Operations, Product Manager – Medical Devices, Marketing Manager – Pharmaceuticals, Healthcare Consultant, Project Manager – Healthcare, and more.

Additionally, Healthcare Management and Strategy is a value-add minor for students interested in medical post-graduate studies, such as medical school, physician assistant school, and nurse practitioner school.

Leadership and Talent Management Minor

Successful enterprises need leaders who can attract talented people with varied backgrounds and experiences and then manage them in such a way that leads to high performance. These leaders need a variety of skills and capabilities to empower, motivate, and direct others effectively. Through this minor, students will build their leadership, decision-making, negotiation, and teamwork skills.

Team and Project Management Minor

The main purpose of the minor in Project and Team Management is to prepare students to manage teams and projects in a very dynamic business environment. In these courses, you will develop project management judgment through the use of case studies and small projects and will learn to solve realistic project problems using relevant software.

Project Management is used in a variety of business environments to manage complex, non-routine, one-time endeavors. "It has been an essential tool in projects as diverse as restructuring the management processes of the United States Military, the reconstruction of domestic infrastructure after natural disasters, development of new and updated consumer products such as smartphones, tablets and laptops, and various construction projects across the Bryant campus." These problems all require planning, directing, and controlling resources to meet the technical requirements, cost targets, and time constraints of a project. Project managers use a set of tools and techniques to manage resources to meet the project objectives.

Faculty

Department Chair
Lori Coakley

Professor
Lori Coakley

Professor
Crystal Jiang

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Eileen Kwesiga

Professor
Michael Roberto

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Zahra Heydarifard

Assistant Professor
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Professor of Practice
Jack Vensel

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Kevin Gainor

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Mark Vozella

Concentrations

- **Healthcare Management and Strategy Concentration (p. 75)**
- **Leadership and Talent Management (p. 76)**
- **Team and Project Management Concentration (p. 76)**

Minors

- **Healthcare Management and Strategy Minor (p. 77)**
- **Leadership and Talent Management Minor (p. 77)**
- **Team and Project Management Minor (p. 77)**

Courses

MGT 200. Management Principles and Practice. 3 Credit Hours.
It is the intent of this course to provide novice business professionals with state-of-the-art management knowledge to act effectively and think decisively. Students will be exposed to three conceptual areas of managerial behavior: leadership and organizational culture, performance management and employee engagement, and high-performing teams. Each module will include three to four topics intended to provide a high-level overview of these specific management practices, taught through the use of articles, experiential exercises, case studies, simulations, and videos. Through these actions and reflection, students will integrate their understanding of management theory with its practice to enable them to become impactful managers and leaders.
Prerequisites: Sophomore standing
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

MGT 201. Operations Management. 3 Credit Hours.
In an increasingly competitive global economy, firms must produce high quality, low cost products and services. These products and services must be delivered when, where, and how customers demand them. This course introduces the most important theories and tools used to manage world class firms to achieve competitive advantage. A balance in emphasis between managerial issues and analytical techniques strengthens both critical thinking and problem solving skills. Topics covered include operations strategy, process design, quality, inventory theory, and project management.
Pre/Corequisites: MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 201G. Global Dimensions of Operations Management. 3 Credit Hours.
This course has a dual focus on both manufacturing and service operations in the global environment and is comprised of two sections. Section I, Foundations of Operations Management, will cover core operations management concepts including Operations Strategy, Process Design and Quality Management and Tools. In Section 2, Global Operations and Supply Chain Management, the focus will be on supply chain activities and how they are integrated to form a global supply chain. Key activities include Inventory Management, Warehouse and Logistics Management, and Lean Systems. Section 2 will help students recognize and meet strategic global operations management challenges, with an emphasis on attaining global competitive advantage.
Pre/Corequisites: MATH 201
Prerequisites: BSIB Major, BUS 100, and sophomore standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 203. Honors Management for Organizational Leadership. 3 Credit Hours.
The dominant focus of Management Principles for Organizational Leadership is to increase each student's decision-making effectiveness as future leaders of modern organizations. This course will assist individuals in becoming reflective management practitioners. Students will learn how to diagnosis case situations applying state-of-the-art management knowledge so they can provide sound solutions and decisively implement them. Students will be engaged in a highly interactive, cooperative learning approach throughout the course. They will be involved in team-based projects, simulations, team exercises, and case analyses in order to develop their interpersonal skills. In addition, an important part of the course will be a study of the leading management theorists and thinkers of the past century. This study will help students learn from the "masters" in how to become leaders who can meet the demands of today's global forces.
Prerequisites: honors program
Session Cycle: Fall
Yearly Cycle: Annual.

MGT 302. Organizational Behavior. 3 Credit Hours.
This course helps students to develop a more complete understanding of the distinctively human dimensions of management. Emphasis is placed upon the application of theory to real world problems as well as the development of interpersonal skills. Topics include such issues as motivation, leadership, group dynamics, and interpersonal communication.
Prerequisites: MGT 200 or MGT 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 312. Human Resources Management. 3 Credit Hours.
An in-depth study of the principles of human resources management, this course emphasizes the broad functions that managers and staff personnel officers must understand in order to develop an effective working force.
Prerequisites: Sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 356. International Business Management. 3 Credit Hours.
This course is designed for non-International Business majors. The International Business Management course provides an overview of the cultural, economic, legal, and political forces that shape the environment of international business. Students will develop knowledge and skills to help them manage businesses across international boundaries. This is an upper level course that emphasizes the ability for both effective oral and written communication, the application of analytical reasoning, the development of specific research skills for assessing the international context, and the use of experiential exercises to sensitize students to cultural differences.
Prerequisites: MGT 200 or MGT 203 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 357. Diversity in a Global Environment. 3 Credit Hours.
Diversity in a Global Environment responds to recent demographic changes and anticipates future demographic and cultural shifts in the composition of the workforce by framing diversity as a resource to be leveraged rather than a problem to be solved. This is accomplished through lectures, discussions, films, simulations, and case studies and other interactive media.
Prerequisites: Sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 358. Global Dimensions of Human Resource Management. 3 Credit Hours.
In this contemporary world of globalization, managing people in different forms of international ventures and work arrangements pose their own unique challenges that contribute towards the strategic decision making of the firm. This course is designed to meet the needs of managers and executives in developing successful human resource management policies and techniques in international settings. The first part of the course will focus on the specific HR challenges of managing international assignments - such as recruitment, selection, training, performance management, compensation and benefits. Second, it will move into the realm of comparative labor and industrial relations looking into the differences in union-management relations across the world. Finally the course will move into analyzing HRM issues in new, non-traditional work arrangements such as off-shored work, virtual teams and so on.
Prerequisites: Sophomore Standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 370. Managing the Nonprofit Organization. 3 Credit Hours.
The focus of Managing the Nonprofit Organization is the development of and day-to-day management and leadership of nonprofit organizations. Students will be challenged to assess theories of nonprofit excellence, accountability, funding and sustainability, while confronting the contextual issues facing the organizations. This course will be instructed by University faculty and community leaders whose expertise will provide students with challenging academic material and practical hands-on perspectives on a rapidly changing field.
Prerequisites: MGT 200 or MGT 203 and sophomore standing
Session Cycle: Spring
Yearly Cycle: Varies.

MGT 380. Compensation Management. 3 Credit Hours.
The purpose of this course is to provide students with an understanding of the basic elements of an effective and equitable compensation program and how an employer's compensation program can support both operational and strategic objectives. The course will review compensation plan objectives, techniques for implementing these objectives, as well as compliance considerations required by federal law and regulation.
Prerequisites: MGT 312 and junior standing.
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 381. Cross-Cultural Management. 3 Credit Hours.
This course emphasizes the cultural, organizational and management aspects of International Business. The primary focus is on specific issues such as leadership and motivation in a cross-cultural environment dealing with multiple cultures in multiple countries. Analysis of dealing with specific issues combines fundamentals in both organizational behavior and business, examining linkages between the two and developing analytical techniques for "real-life" problems and situations.
Prerequisites: MGT 302 and junior standing
Session Cycle: Varies
Yearly Cycle: Varies.

MGT 382. Strategic Management of Technological Innovation. 3 Credit Hours.
This course provides a strategy framework for high-technology, startup and multinational companies. The course is designed to help students develop strong conceptual foundations for understanding technological innovations. It will introduce concepts and frameworks for analyzing how firms can create, commercialize, and capture value from technology-based products and services. The course teaches students (a) to examine technical and managerial opportunities and challenges presented by emerging and evolving technologies in high-tech markets and organizations, (b) analyze the structure and develop managerial options available for both established and entrepreneurial organizations, and (c) develop appropriate strategies and processes for capitalizing on them. You will experience and explore creativity from individual and group perspectives through case study, hands-on learning and guest speakers from innovators and investors in industry sharing their experiences.
Prerequisites: IDEA 101 and MGT 200 or MGT 201G
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 391. Management Internship. 3 Credit Hours.
Students in this course engage in supervised employment within an area of management (e.g., human resources, operations, or general management) requiring applications of management theory and principles to the work environment. Job functions should include planning, organizing, leading, and/or controlling and require the use of a variety of managerial skills (e.g., analysis, decision making, communicating, etc.). Students must work at least ten hours per week on the job, correspond periodically with a supervising faculty member, and prepare a substantive report on the work experience and on the work experience and the studies involved.
Prerequisites: Junior/Senior standing; the approval of a supervising faculty member and the department chair.

MGT 413. Multinational Business Simulation. 3 Credit Hours.
This course involves a semester-long computer simulation in which the participants, working together in small teams, play the management roles of competing multinational firms. Though the course heavily emphasizes finance, marketing, and production decision making, participants will need to master all aspects of running an enterprise. The course offers many noteworthy features: international scope, strategic focus, lots of written and oral communication, considerable analytic work using spreadsheets and various statistical packages, and coping with sticky ethical and environmental issues. Students will develop leadership, as well as team building skills. Senior standing is required This course is cross-listed with BUS 413, FIN 413 and MKT 413, Multinational Business Simulation.
Prerequisites: FIN 201, MKT 201 or MKT 203 and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

MGT 440. The Design Thinking Process. 3 Credit Hours.
In this hands-on course, you will have an opportunity to learn and apply the design thinking process while simultaneously developing an understanding of the psychological (cognitive, behavioral) principles that underlie innovative thinking, problem-solving, and gamification. This course builds explicitly upon the introduction to design thinking that you received during the IDEA program. We will learn how design thinkers embrace a “test and learn” and “build to think” philosophy toward innovation.
Prerequisites: IDEA 101 and either PSY 260 or MGT 302
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 450. Internship: Human Resources Administration. 3 Credit Hours.
In this supervised internship students apply the principles of human resource management in a position requiring at least ten hours per week. This course requires a written report. Students must have the approval of a supervising faculty member and the department chair.

MGT 451. Human Resources Development. 3 Credit Hours.
This course examines four main components of Human Resource Development (HRD); training/ individual development, performance management, and organization development and career development. HRD processes needs analysis, learning acquisition, learning transfer and evaluation are examined in detail as are the critical components of performance management, organization development and career development systems. Finally the course explores the competencies HRD practitioners need to possess in order to add value in contemporary organizations.
Prerequisites: MGT 312 and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 452. Human Resource Metrics and Analytics. 3 Credit Hours.
This is a course in Human Resource Management (HRM) metrics and analytics. The overall objective of the course is to familiarize students with the concepts and applications of Data Analytics within the HRM domain. More specifically, the course begins with a simplified illustration of how HR issues present themselves and how to better approach solutions to them. It expands upon that understanding by exploring some functional aspects of HR such as workforce utilization, recruitment/selection, engagement, and talent development. The course then moves toward higher levels of HR Analytics Maturity affording students the chance to complete the process of data scrubbing, hypothesis formulation and testing for more predictive and instructive recommendations.
Prerequisites: MGT 312
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 461. Cases in Global Business Management. 3 Credit Hours.
Many management concepts, techniques, and systems taught in North America business schools are based on the North American cultural and institutional context. These concepts techniques and systems may not work as intended in other settings and, if used improperly, can compound managers' problems. This course expands on the basic knowledge and skills acquired in MGT 356 and focuses in greater depth on how to implement strategy and operate effectively in different environmental and institutional settings in a global context. The readings, cases, and exercises have been chosen to develop both intellectual understanding and behavioral skills pertinent to the management problems arising from the interaction of people from different cultures in work settings. This course is also intended to develop, to the extent possible in a college course, an appreciation of what it is like to work with people from other cultures and to work in other countries.
Prerequisites: MGT 200 or MGT 203, MGT 356 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Varies.

MGT 462. Project Management I. 3 Credit Hours.
World class organizations must manage change, and it is the task of the project managers to make those changes happen. Project Management is used in a variety of business environments to manage complex, non-routine, one-time endeavors. This course focuses on these tools and techniques, with attention to both the quantitative and the qualitative aspects of project management. Topics include scheduling, budgeting, cost control, team building and risk management. Students will deliver a consulting report to a regional organization with which they are working.
Prerequisites: Junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

MGT 463. Power and Influence. 3 Credit Hours.
The goal of this course will be to help students grapple with the issues of power in modern organizations. We will explore the sources of power. Students will study the basic principles of influence to determine how friends, supervisors, family, or sales people get their way. We will evaluate different strategies and tactics for employing power effectively. We will especially focus on learning how to influence when you do not possess formal authority. Ethical issues will be analyzed to help you become more responsible to others as a steward and servant to others. By the end of the course, students will be challenged to assess their uses of power and influence. This will help you develop as a self-directed, reflective learner to handle future challenges.
Prerequisites: MGT 302 and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 464. Employment Relations. 3 Credit Hours.
This course will begin with developing an understanding of the historic labor movement in America and its impact on the nature of conflict resolution in the workplace. Students will then examine the broader area of employment relations management, employee rights and responsibilities, labor relations and collective bargaining, as well as management obligations under the law. Important federal laws that influence the workplace environments will be studied. Several major Supreme Court rulings will be examined for their impact on employer-employee relationships and for the obligations they impose on management.
Pre/Corequisites: MGT 312 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 475. Management Seminar. 3 Credit Hours.
In this seminar students learn to identify and understand the trends in the sociological, technological, and managerial environments that management will face in the early twenty-first century. Students also learn to develop philosophies and styles in order to deal with such trends.

Prerequisites: Senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Varies.

MGT 476. Team Building and Conflict Resolution. 3 Credit Hours.
The focus of this course is to develop understanding of where conflict comes from within organizations and how it can be managed effectively, and to empower students with some of the skills and strategies needed to become members and leaders of effective team units in the workplace. The successful manager of the future will be the one who knows how to create an effective team climate and how to respond to and manage organizational conflict. The focus of the course will be on the role of the manager in influencing and responding to conflict, and developing and empowering effective team units.
Prerequisites: MGT 302 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 477. Women and Leadership Strategies for Success and Professional Development. 3 Credit Hours.
Women and Leadership: Strategies for Success and Professional Development focuses on the role women play in today's organization. This course specifically focuses on professional development; providing multiple opportunities to acquire the skills and competencies each individual student requires to succeed in both personal and professional endeavors in areas such as networking, negotiation, personal branding, leadership and career development.
Prerequisites: Senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

MGT 478. Strategic Human Resource Management SHRM. 3 Credit Hours.
In this capstone course for Human Resource Management, students learn to integrate the entire HR body of knowledge and understand it within a global and a strategic framework. The HR capstone allows the students to apply the knowledge of HR they have gained taking various courses.
Prerequisites: MGT 312 and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 480. Leadership Seminar. 3 Credit Hours.
One of the critical issues today is the challenge of leadership. Leaders in modern organizations face a number of increasing pressures from changing social trends, breakthrough technologies, turbulent political environments, and globalization forces. In dealing with these complex changes, the question arises as to what makes an effective leader? What are the cross-cultural characteristics of admired leaders? Who are we willing to follow? How do leaders gain credibility? Why do some leaders succeed and others fail? What skills and values do leaders need to employ to help organizations change to meet today's challenges?This course will study current leadership theory and practice. The course will be highly interactive. We will use case studies, experiential exercises, film, and collaborative projects. Students will explore a variety of different types of leaders from business, religion, government, and non-profits. We also review the research on women and leadership, cross-cultural challenges.
Prerequisites: MGT 302 and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 486. Project Management II. 3 Credit Hours.
World-class organizations succeed, in part, because of their ability to manage change, and it is the task of the Project Managers to make change happen. Project Management is used in a variety of business environments to manage complex, non-routine, one-time endeavors. It has been an essential tool in a number of diverse projects in all types of industries. In Project Management II, greater depth will be provided on key processes and concepts touched upon in Project Management I. Students will be asked to run a simulated project with international components, and they will be given the opportunity to earn certification as a Certified Scrum Master (CSM) which enables them to lead projects using the agile project management methodology.
Prerequisites: MGT 462 and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 497. Directed Study in Management. 3 Credit Hours.
Under faculty supervision, students pursue a well defined area of interest in management. Permission of department chair is required. Senior standing is required.

MGT ST385. Special Topic: Head, Hand, and Hertford Programme in Leadership Innovation. 3 Credit Hours.
Travel to Oxford to participate in the Head, Hand, and Hertford Programme at Hertford College. Students study in residence at historic Oxford for two weeks, where they will develop skills in leadership, communication, and innovation alongside Oxford students. Within a rigorous academic environment, this program is led by Hertford College Principal Tom Fletcher. Students participate in workshops taught mostly by Oxford faculty. Through an engaging one-of-kind cultural immersion program, students will build upon skills that they have learned at Bryant to take their leadership skills to the next level. With an enhanced global perspective, appreciation for sociohistorical context, and personal growth and character development, students will leave this course with the intellectual and practical skills of a truly innovative leader.

Bachelor of Science in Business Administration: Healthcare Management & Strategy Concentration

Bachelor of Science in Business Administration Degree with a Concentration in Healthcare Management and Strategy Requirements:

General Education Requirements (p. 25)
University Minor Requirements (p. 207):

The Healthcare Management and Strategy Concentration is required to fulfill the business core and minor in the College of Health and Behavioral Science in either Biology, Biotechnology, Health & Wellness, or Nutrition.

Healthcare Management and Strategy Concentration Curriculum Requirements:

Required Courses:

SCI 275	Introduction to Healthcare: Clinical and Business Perspectives	3
GSCM 435	Healthcare Supply Chain	3
ECO 473	Economics of Health and Medical Care	3
BUS 490	Healthcare Management and Strategy Practicum	3
Student must pick One (1) Course from College of Business Courses listed below: [1]		
ACG 311	Cost Management	3
FIN 381	Risk Management and Insurance	3
GSCM 430	Global Sourcing and Supply Management	3
MGT 302	Organizational Behavior	3
MGT 440	The Design Thinking Process	3
or PSY 440	The Design Thinking Process	
MKT 380	Services Marketing	3
MKT 410	Business To Business Marketing	3
MGT 391	Management Internship	3
or HS 391	Health Sciences Internship	
Student must pick One (1) Course from College of Arts & Science/ School of Health Courses listed below: [1]		
AA 205	Introduction to Applied Analytics	3
COM 280	Foundations in Health Communication	3

COM 333	Public Health Communication: Advocacy and Action	3
LGLS 383	Health Law	3
PSY 440	The Design Thinking Process	3
or MGT 440	The Design Thinking Process	
SCI 359	Artificial Intelligence (AI) in Healthcare	3
SOAN 355	Social Determinants of Health	3
Business Core Requirements:		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
BUS 400	Business Policy	3
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3

[1] Concentrators must **pick two** elective courses, one from the COB list and one from the CAS/SHBS list. One course (MGT 440/PSY 440) is cross-listed and can satisfy the elective from either list (but not both – concentrators must take two electives total).

Note: The University's policy on double-counting applies to BHC concentrators and minors. Please contact your advisor for further information on this policy.

A minimum of 18 credit hours is required for the concentration

A minimum of 120 credit hours is required for graduation.

Bachelor of Science in Business Administration: Leadership and Talent Management Concentration

Bachelor of Science in Business Administration Degree with a Leadership and Talent Management Concentration Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Leadership and Talent Management Concentration Curriculum Requirements:

Required Courses:

MGT 302	Organizational Behavior	3
MGT 312	Human Resources Management	3
MGT 464	Employment Relations	3
MGT 480	Leadership Seminar	3
Students must pick a track then take 2 electives from the chosen track. One must be at a 400 level.		
Leadership Track		
MGT 382	Strategic Management of Technological Innovation	3
MGT 391	Management Internship	3
MGT 440	The Design Thinking Process	3
MGT 461	Cases in Global Business Management	3
MGT 462	Project Management I	3
MGT 463	Power and Influence	3
MGT 476	Team Building and Conflict Resolution	3
MGT 477	Women and Leadership Strategies for Success and Professional Development	3
Talent Management Track		
MGT 357	Diversity in a Global Environment	3
MGT 358	Global Dimensions of Human Resource Management	3
MGT 380	Compensation Management	3
MGT 391	Management Internship	3
MGT 451	Human Resources Development	3
MGT 452	Human Resource Metrics and Analytics	3
MGT 478	Strategic Human Resource Management SHRM	3

A minimum of 18 credit hours is required for the concentration.

A minimum of 120 credit hours required for graduation.

Bachelor of Science in Business Administration: Team and Project Management Concentration

Bachelor of Science in Business Administration Degree with a Team and Project Management Concentration Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Team and Project Management Concentration Curriculum Requirements

Team and Project Management Concentration

MGT 302	Organizational Behavior	3
MGT 462	Project Management I	3
MGT 486	Project Management II	3
At least one of the following courses:		
MGT 391	Management Internship	3
MGT 463	Power and Influence	3
MGT 476	Team Building and Conflict Resolution	3
Two additional Management electives		6
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3

AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
BUS 400	Business Policy	3
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3

A minimum of 18 credit hours is required for the concentration.

A minimum of 120 credit hours is required for graduation.

Healthcare Management and Strategy Minor

Healthcare Management and Strategy Minor Requirements:

Required Courses:		
SCI 275	Introduction to Healthcare: Clinical and Business Perspectives	3
GSCM 435	Healthcare Supply Chain	3
ECO 473	Economics of Health and Medical Care	3
Student must pick One College of Business Elective:		
ACG 311	Cost Management	3
FIN 381	Risk Management and Insurance	3
GSCM 430	Global Sourcing and Supply Management	3
MGT 302	Organizational Behavior	3
MGT 440	The Design Thinking Process	3
or PSY 440	The Design Thinking Process	
MKT 380	Services Marketing	3
MGT 391	Management Internship	3
or HS 391	Health Sciences Internship	
MKT 410	Business To Business Marketing	3

Note: The University's policy on double-counting applies to BHC concentrators and minors. Please contact your advisor for further information on this policy.

A minimum of 12 credit hours is required for a minor.

Leadership and Talent Management Minor

Leadership and Talent Management Minor Requirements:

Successful enterprises need leaders who can attract talented people with varied backgrounds and experiences and then manage them in such a way that leads to high performance. These leaders need a variety of skills and capabilities to empower, motivate, and direct others effectively. Through this minor, students will build their leadership, decision-making, negotiation, and teamwork skills.

Required Courses:		
MGT 302	Organizational Behavior	3
MGT 312	Human Resources Management	3
Students must pick two courses from the below listing. One must be at the 400 level.		**6**
MGT 357	Diversity in a Global Environment	3
MGT 358	Global Dimensions of Human Resource Management	3
MGT 380	Compensation Management	3
MGT 382	Strategic Management of Technological Innovation	3
MGT 391	Management Internship	3
MGT 440	The Design Thinking Process	3
MGT 451	Human Resources Development	3
MGT 452	Human Resource Metrics and Analytics	3
MGT 461	Cases in Global Business Management	3
MGT 462	Project Management I	3
MGT 463	Power and Influence	3
MGT 476	Team Building and Conflict Resolution	3
MGT 477	Women and Leadership Strategies for Success and Professional Development	3
MGT 478	Strategic Human Resource Management SHRM	3

A minimum of 12 credit hours is required for a minor.

Team and Project Management Minor

Team and Project Management Minor Requirements:

MGT 302	Organizational Behavior	3
MGT 462	Project Management I	3
MGT 486	Project Management II	3
One additional elective from any 300 or 400 level Management course		3

A minimum of 12 credit hours is required for the minor.

Department of Marketing

Marketing Concentration

Objectives:

- Identify why the customer is at the center of marketing efforts
- Describe the marketing mix elements and explain how they are used to develop and refine effective marketing programs to reach global and domestic target markets
- Identify the categories of external environmental factors and discuss how they influence marketing decision making
- Recognize and discuss the various ethical issues that companies face when marketing their goods and services.
- Analyze, select, and target market segments.
- Position products, services and/or brands for competitive advantage.
- Develop and use the marketing mix to acquire, defend and enhance the product/service/brand position.

- Use technology to quantitatively and qualitatively analyze and evaluate market opportunities and current performance to provide feedback for adjusting marketing program for optimal performance.

Marketing is a creative, dynamic, and exciting career for business leaders and professionals. Marketing is concerned with the activities that influence the flow of goods, services, and ideas between producers and consumers or organizations. Marketing is responsible for making the organization responsive to its environments, for meeting the needs of a multitude of publics, and for managing growth.

Marketing involves the identification and selection of markets, analysis of consumer and organizational needs and buying behavior, forecasting of anticipated actions, product planning and development, packaging, pricing, logistics, distribution, selling, advertising, and sales promotion.

Today, successful organizations in the profit and not- for-profit sectors are market-driven with an emphasis on creating long-term relationships. Technology and communication are forces that provide organizations access to global market opportunities, opening new and exciting avenues for business professionals.

Career opportunities in marketing are varied and may revolve around specialized areas such as advertising, public relations, sales, and marketing research. Students may also pursue careers as generalists, including marketing management, product management, and strategic planning.

Digital Marketing Concentration

Objectives:

- Define what digital Marketing is, the various channels within which it operates and its role in marketing strategy.
- Identify target audiences through online market research to create original digital content to meet organizational goals.
- Launch effective social media and digital marketing campaigns across internet-based platforms.
- Distinguish between the functions of digital communication channels and software to select those appropriate for the needs of the organization and end users.
- Quantitatively evaluate digital marketing strategies and tactics and use the data to inform future marketing decisions and track marketing effectiveness.

A concentration in Digital Marketing prepares students with a theoretical foundation in Marketing and an applied digital marketing experience to critically evaluate, develop and implement strategies to market products or services using digital technology, such as Internet, mobile, display ads and other forms of digital medium. The objective is to learn how to promote brands and reach consumers through various forms of digital channels such as Google search, social media, email, and their websites. Students will become versed in Digital Marketing assets include websites, blogs, eBooks and whitepapers, infographics, social media channels, earned online coverage (PR, social media and reviews), and online brochures and utilize tools such as Search Engine Optimization (SEO), Content Marketing, Inbound Marketing, Social Media Marketing, Pay-Per-Click (PPC), Affiliate Marketing, Native Advertising, Marketing Automation, Email Marketing, and Online PR. Students will work with real-world clients to develop, manage and analyze social media and digital marketing strategies live across various digital channels and platforms. Students will complete the concentration with a comprehensive understanding of and experience with how to develop an integrated digital marketing strategy and optimize it for multi-channel traffic acquisition.

Marketing Minor

The marketing minor is designed to give students a business perspective that is market oriented. It will allow students concentrating in other business areas and in liberal arts to cultivate an understanding of key aspects in the field of marketing. Most modern organizations operate under the basic premises of marketing: customer-orientation, organizational integration and long-term orientation. Through prudent course selection, students can gain knowledge in specialized areas of marketing such as sales, advertising and research or develop a general marketing minor.

Marketing Analytics Minor

The marketing analytics minor is designed to give students the conceptual background and applied tools necessary to conduct analysis of databases of markets, consumers, or products, the results of which would be used to drive decision making in organizations. Business and policy decisions are increasingly driven 'by the numbers.' Marketing decision makers, in particular, base decisions upon hard data and often complex analysis of customers. Successful careers in marketing and a variety of other fields require a deep understanding of marketing analytics, including how to develop, interpret, and present analytics.

Sales Minor

The sales minor is designed to give students both a theoretical background and applied experience in the field of sales. A well-educated and trained professional sales force is critical to businesses' ability to provide value to their customers and effectively satisfy needs. Many students, regardless of their major or chosen profession, will be involved in selling products, services, or ideas and will have more successful careers if they understand the concepts of the selling process and can effectively apply those skills.

Faculty

Department Chair
Michael Gravier

Professor
Sharmin Attaran

Professor
Stefanie Boyer

Professor
Michael Gravier

Professor
Sukki Yoon

Professor
Srdan Zdravkovic

Associate Professor
Jaihyun Jeon

Associate Professor
Eun Kang

Associate Professor
Kacy Kim

Associate Professor
Teresa McCarthy

Assistant Professor
Jaihyun (Jay) Jeon

Lecturer
Richard Dagenais

Lecturer
T.V. Jayaraman

Lecturer
Mehreen Pasha

Concentration

- Marketing Concentration (p. 82)
- Digital Marketing Concentration (p. 82)

Minors

- Marketing Analytics Minor (p. 83)
- Marketing Minor (p. 83)
- Sales Minor (p. 83)

Courses

MKT 201. Foundations of Marketing Management. 3 Credit Hours.
This course provides an overview of key marketing concepts, tools, and methods of analysis and takes both a theoretical (strategic market assessment and planning) and practical approach to managing business affairs from a marketing perspective. The scope includes the seven key elements of the marketing mix management [product, price, promotion, distribution, people, process, and facilities], customer value and satisfaction, competitive analysis, marketing research, segmentation and targeting, branding and positioning, and consumer behavior.
Prerequisites: BUS 100
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 201G. Global Dimensions of Marketing. 3 Credit Hours.
This course exposes students to a systems- oriented approach to marketing that is both theoretical and applied. Students examine the major environmental forces that challenge the marketing manager today and, in the process, learn marketing methodology used in the field. Students explore topics like marketing research, buying behavior, segmentation, targeting, and Marketing Mix (product, distribution, promotion, and pricing). Although this course deals with common marketing concepts and problems, these topics are analyzed in a broader, international context.
Prerequisites: BSIB major, BUS 100
Session Cycle: Fall
Yearly Cycle: Annual.

MKT 311. Consumer Behavior. 3 Credit Hours.
Consumer Behavior class applies concepts, principles, and theories from various social sciences including economics, psychology, social psychology, sociology, and anthropology to the study of the internal and external factors that influence the acquisition, consumption, and disposition of goods, services, and ideas. Students develop the ability to translate learned material into marketing implications. Knowledge of consumer behavior principles is becoming increasingly important to marketing decision-makers, managers, and public policy makers.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 312. Marketing Research. 3 Credit Hours.
Students in this course learn to develop the information necessary for marketing decision-making. This course emphasizes a management-oriented analysis of marketing phenomena including the following: identifying and defining marketing problems, designing research, acquiring information, evaluating data, and presenting research.
Prerequisites: MATH 201 and MKT 201 or MKT 203 or MKT 201G and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 313. Sports Marketing. 3 Credit Hours.
This course offers an engaging introduction to sports marketing, combining theory with practical insights to understand the business dynamics of the sports industry. It covers strategies for promoting events, teams, and products, with a focus on fan engagement, digital channels, and sponsorships. Also, it highlights the unique characteristics of sports marketing and the importance of market research in identifying and segmenting sports consumers.
Prerequisites: MKT 201 or MKT 203.

MKT 360. Retail Management. 3 Credit Hours.
Retailing is addressed as a unique business and marketing format, which is distinct from manufacturing and wholesaling. The course examines how retailers have evolved and identifies challenges that retailers face in the 21st century, as well as the role of the internet in retail strategy. The development of approaches to attract consumers and cultivate long-term relationships is a significant theme throughout the semester. Course objectives include achieving an understanding of the global environment in which retailers operate; the need for a strategic approach to retail management; the types and sources of information available to enhance marketing decision-making; and the relationship among the marketing mix variables and their application to retailing.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Spring
Yearly Cycle: Varies.

MKT 363. Personal Selling. 3 Credit Hours.
This course is designed to give you hands-on experience and feedback to improve your selling skills. Every industry in every country is in need of well-trained sales people. This class will help you perform better in selling situations whether working B2B, B2C or selling your own brand in the job interview by teaching the tools and strategies for success. Some of the topics include: adaptive selling, ethics, relationship and trust building, closing the sale, negotiating for win-win solutions, handling objections, prospecting, verbal and nonverbal communication, personal and professional development and branding, customer relationship management, time and territory management, social media, and various selling techniques. Students compete in a sales competition during the semester, network with sales professionals, study selling cases and perform many recorded presentations. The course uses 360 degree evaluation and incorporates technology into the classroom, as well as feedback from professional sellers, buyers and trainers.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 364. Applied AI in Sales. 3 Credit Hours.
MKT 364: Applied AI in Sales is a hands-on course for students who want to lead and perform in an AI-driven business world. Building on MKT 363, students use Generative AI and modern sales tools to support prospecting, research, outreach, discovery, objection handling, negotiation, follow-up, and pipeline management across the sales cycle. Students evaluate AI outputs for accuracy, bias, ethics, and organizational risk while developing professional judgment and resilience through applied execution. The course includes a semester-long AI-enabled book of business portfolio connected to real initiatives, such as building partnerships and sponsorship opportunities for the Bryant University Sales Institute and NISC.
Prerequisites: MKT 363 Professional Selling, Sophomore Standing
Session Cycle: Every Fall Semester.

MKT 365. AI in Marketing Decision Making. 3 Credit Hours.
This course equips students with strategic marketing decision-making skills anchored in consumer insights and enhanced by AI tools. Students learn how AI techniques such as predictive analytics, natural language processing, decision support systems, and marketing automation enhance key marketing decisions across segmentation, targeting, positioning, product and portfolio strategy, pricing, promotion, and channel management. Through hands-on labs using contemporary AI and analytics tools, students practice transforming customer and marketplace data into insights, designing and evaluating data-driven strategies, and building simple automated workflows, developing both strategic judgment and practical, implementation-ready skills. Upon completion, students will be prepared to enter the workforce understanding how AI augments human marketing decision-making, and how to use these tools responsibly and ethically.
Prerequisites: MKT 201, Sophomore Standing
Session Cycle: Every Semester.

MKT 366. Using AI to Achieve Sense and Respond Omnichannel Distribution. 3 Credit Hours.
This course teaches students how to leverage AI to create sense-and-respond capabilities in omnichannel distribution systems. Omnichannel refers to the business strategy that provides a seamless, consistent, and integrated customer experience across all physical and digital channels. Students will learn to use AI to sense demand, anticipate risk, optimize production and inventory, and personalize customer experiences through data-driven decision-making.
Prerequisites: MKT 201, Sophomore Standing
Session Cycle: Every Semester.

MKT 368. International Marketing. 3 Credit Hours.
Students will study essentials of international marketing and explore reasons and needs for marketing goods and services across international borders. This class explores differences in cultural, political, economic, and legal systems and the impact of these differences on marketing strategy. Students will investigate different modes of entry into foreign markets, global trade trends, international positioning, and specificities of international marketing research. This provides a foundation for examining each element of the marketing mix (product, place, price, promotion) in the international context.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MKT 371. Advertising and Integrated Marketing Communication. 3 Credit Hours.
This integrated marketing communication course is an overview of promotional activities and their effective integration in the communication endeavors of the firm. Students will use examples of traditional and non-traditional media. This course emphasizes the following topics: determining communication goals, marketing and promotional objectives, developing creative themes, testing messages, evaluating promotion effectiveness, and strategic campaign planning. Students also develop creative-thinking and decision-making skills and their application to media planning, budgeting, and other matters of promotion and communication consideration.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 380. Services Marketing. 3 Credit Hours.
Because numerous key differences exist between the marketing and management of services and the marketing of goods, this course focuses on the distinctive and necessary marketing challenges associated with service offerings as well as management strategies and tactics needed for marketplace success. The importance of service marketing and management expertise is highlighted by the dominance of and increasing dependence on services in developed economies.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

MKT 381. Digital Marketing. 3 Credit Hours.
This course examines how digital marketing can be used to achieve business and marketing goals. This course will focus on online consumer behavior, the various digital channels available to marketers, how to create and launch effective digital marketing campaigns across internet-based platforms and how to track marketing effectiveness. The course examines digital marketing strategy, implementation and execution for B2B and B2C brands and provides a hand-on understanding of all digital channels and platforms. Participants will obtain experience about how to develop an integrated digital marketing strategy, from formulation to implementation.
Pre/Corequisites: MKT 312
Prerequisites: MKT 201 or MKT 201G or MKT 203 and MKT 311
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 382. New Product Development. 3 Credit Hours.
This course introduces the student to the numerous stages an organization executes to bring a new product to market. It covers the decisions that management and marketing must make to bring a product from the concept generation and problem based ideation to marketing testing and launch management.
Pre/Corequisites: MKT 311 and MKT 312 and junior Standing
Prerequisites: MKT 201 or MKT 201G or MKT 203
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 391. Marketing Internship. 3 Credit Hours.
Supervised employment in an area of marketing (such as retailing, advertising, sales and marketing research) which involves the application of marketing theory and principles to the work environment. Students are required to work a minimum of ten hours per week on the job, correspond periodically with their supervising faculty member, and prepare a substantive report on their work experience.
Prerequisites: This course requires department approval and is limited to second semester juniors and to seniors.

MKT 410. Business To Business Marketing. 3 Credit Hours.
Students in this course investigate the domestic and international activities involved in marketing products and services to industrial buyers, governments, and marketing intermediaries. Students learn a marketing approach to business strategy. Supply Chain Management is a central core of the course with special emphasis placed on physical distribution, business marketing channel participants, value and vendor analysis, contracting, business ethics, and pricing strategy.
Prerequisites: MKT 201 or MKT 201g or MKT 203 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 412. Marketing Policy and Problems. 3 Credit Hours.
This course provides a capstone experience to help students integrate and advance knowledge from prior marketing and business courses to gain experience in marketing strategy development. Students apply their theoretical knowledge to actual marketing situations in a simulated virtual business. In a competitive, global business environment, students will conduct a situation analysis, identify opportunities and problems, formulate marketing strategies, plan and execute tactics, analyze and interpret data, and reformulate strategies, thereby developing marketing skills critical to succeed in today's business world.
Prerequisites: MKT 311, MKT 312 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 422. Visual Analytics for Marketing. 3 Credit Hours.
This course provides an introduction to marketing analytics with a strong emphasis on visual analytics techniques for exploring, interpreting, and communicating marketing data. Students will learn how to analyze digital marketing performance metrics, CRM data, consumer insights, and market trends using interactive dashboards, real-time data exploration, and pattern recognition. Through hands-on experience with Excel and Tableau, students will develop the ability to transform complex datasets into clear, actionable insights that drive strategic marketing decisions. The course goes beyond static data visualization, focusing on dynamic data interaction, visual storytelling, and analytical thinking to enhance decision-making in today's data-driven marketing landscape. While this course serves as a standalone introduction to visual analytics, it also lays the foundation for Marketing Analytics, where students will further develop skills in predictive modeling, segmentation, pricing, and strategic applications.
Pre/Corequisites: MKT 312 and Junior Standing
Session Cycle: Every Fall Semester
Yearly Cycle: Annual.

MKT 461. Marketing Analytics. 3 Credit Hours.
In this course students learn to develop and apply quantitative and analytic tools to tactical areas of marketing decision making. Students acquire the following techniques: forecasting, behavioral modeling, and linear and nonlinear programming. The course teaches compute applications using spreadsheets, word processing, and statistical software.
Prerequisites: MKT 312 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 463. Sales Management. 3 Credit Hours.
This course is designed to give students hand-on training in sales management and exposure to hiring firms, while refining students skills and providing opportunities for professional success. In this course, students will be assigned two sales teams to manage, who will provide feedback on their management capabilities. Students will shadow a sales manager for a day, compete in a sales competition with professional sales people and trainers, and design a self-directed learning project to complete during the term. The course offers a professional speaker series with special topics in sales management. Topics of the course include: managing conflict, goal setting, providing feedback, understanding your leadership style, active listening, following up, asking the right questions, coaching, sales forecasting, adapting to the situation, motivating your sales team, training, compensation, recruiting, selection, performance evaluation, ethics, and communication.
Prerequisites: MKT 363 and senior standing is required
Session Cycle: Spring
Yearly Cycle: Annual.

MKT 481. Digital Marketing II. 3 Credit Hours.
This course examines how to develop, implement and analyze a digital marketing strategy across digital channels and platforms. Students complete the course with a comprehensive understanding of how to develop an integrated digital marketing strategy and optimize it for multi-channel traffic acquisition. This includes evaluating the competitive landscape and structuring a digital marketing approach inclusive of paid and organic tactics. Students will have a better understanding of how different digital marketing channels drive users to a website and convert users based on a targeted call-to-action (CTA) using lead generation and email strategies, among others. Topics will include search engine optimization (SEO), search engine marketing (SEM), display advertising, mobile advertising, social media marketing, content marketing and web analytics.
Prerequisites: MKT 381
Session Cycle: Spring
Yearly Cycle: Annual.

MKT 497. Directed Study in Marketing. 3 Credit Hours.
In depth exploration of specialized areas of marketing serve as the purpose of this course. Individualized instruction is used to research areas in which the faculty member and student have a common interest. Extensive research including primary data collection may be required. The course concludes with the preparation of a thorough research report and presentation.
Prerequisites: MKT 201, MKT 312 and senior standing.

Bachelor of Science in Business Administration: Marketing Concentration

Bachelor of Science in Business Administration Degree with a Marketing Concentration Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Marketing Concentration Curriculum Requirements

Marketing Concentration		
MKT 311	Consumer Behavior	3
MKT 312	Marketing Research	3
MKT 412	Marketing Policy and Problems	3
Three Marketing Electives [1]		9
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
BUS 400	Business Policy	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3

A minimum of 18 credit hours is required for the concentration.

A minimum of 120 credit hours is required for graduation.

[1] Must include one 400-level elective.

Bachelor of Science in Business Administration: Digital Marketing Concentration

Bachelor of Science in Business Administration Degree with a Digital Marketing Concentration Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Digital Marketing Concentration Curriculum Requirements

Digital Marketing Concentration		
Required Courses:		
MKT 311	Consumer Behavior	3
MKT 312	Marketing Research	3
MKT 381	Digital Marketing	3
MKT 412	Marketing Policy and Problems	3
MKT 481	Digital Marketing II	3
Students must pick one (1)Marketing Elective from below listing:		
MKT 360	Retail Management	3
MKT 363	Personal Selling	3
MKT 368	International Marketing	3
MKT 371	Advertising and Integrated Marketing Communication	3
MKT 382	New Product Development	3
MKT 461	Marketing Analytics	3
Business Core Requirements		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
AI 201B	Introduction to Artificial Intelligence for Business	3
or AI 201	Introduction to Artificial Intelligence	
BUS 400	Business Policy	3
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3

A minimum of 18 credit hours is required for the concentration.

A minimum of 120 credit hours is required for graduation.

Marketing Analytics Minor

Marketing Analytics Minor Requirements:

MKT 312	Marketing Research	3
MKT 412	Marketing Policy and Problems	3
MKT 422	Visual Analytics for Marketing	3
MKT 461	Marketing Analytics	3
MATH 350	Statistics II	3

A minimum of 15 credit hours is required for the minor.

Marketing Minor

Marketing Minor Requirements

To obtain a minor in marketing, students must earn 12 credits in marketing beyond the business core requirement (MKT 201) with a minimum GPA of 2.0. The 12 credits must be allocated as follows:

Required Courses		
MKT 311	Consumer Behavior	3
MKT 312	Marketing Research	3
Elective Courses		
Select two of the following:		6
A maximum of one course at the 300-level		
A minimum of one course at the 400-level		

A minimum of 12 credits is required for the minor.

Sales Minor

Sales Minor Requirements:

Required Courses		
MKT 363	Personal Selling	3
MKT 391	Marketing Internship	3
MKT 463	Sales Management	3
Select One Elective from the following:		
MKT 311	Consumer Behavior	3
MKT 312	Marketing Research	3
MKT 360	Retail Management	3
MKT 364	Applied AI in Sales	3
MKT 381	Digital Marketing	3
MKT 410	Business To Business Marketing	3
MKT 422	Visual Analytics for Marketing	3
MKT 461	Marketing Analytics	3
COM 470	Persuasion and Social Influence	3
GSCM 301	Supply Chain Management Concepts	3
GSCM 310	Supply Chain Integration	3
ISA 310	Data Visualization	3
ISA 311	Introduction to Cybersecurity	3
ISA 460	Big Data Analytics and AI Applications	3
MGT 312	Human Resources Management	3
MGT 463	Power and Influence	3
PSY 353	Psychology of Personality	3
PSY 470	Social Psychology	3

A minimum of 12 credit hours is required for the minor.

College of Health and Behavioral Sciences

The College of Health and Behavioral Sciences offers a diverse selection of academic programs that enable students to explore their individual intellectual interests in disciplines related to health, healthcare, and the behavioral sciences.

The educational programs of the College of Health and Behavioral Sciences focus on helping students develop skills that lead to rewarding professional opportunities and careers.

The College of Health and Behavioral Sciences offers five undergraduate Bachelor of Science degrees:

- **Biology: Tracks in General Biology, Pre-Health, and Environmental Biology**
- **Exercise & Movement Science: Tracks in Applied Exercise and Coaching and Healthcare Provider Prep.**
- **Health Sciences: Tracks in General Health Sciences, Neuroscience and Nutrition**
- **Health Informatics**
- **Psychology**

All College of Health and Behavioral Sciences students complete a business minor and may elect to take additional business courses. * *Health Informatics students can choose a minor in College of Business or College of Humanities and Social Sciences. Business minors are available in (p. 207):

- Accounting
- Business Administration
- Entrepreneurship
- Finance
- Global Supply Chain Management
- Healthcare Management and Strategy
- Human Resource Management
- Information Systems
- International Business
- Leadership and Talent Management
- Marketing
- Marketing Analytics
- Sales
- Team and Project Management

Mission Statement

The mission of the College of Health and Behavioral Sciences (SHBS) is to educate and train the next generation of leaders who are dedicated to improving the health and well-being of others, and who embrace a collaborative and interdisciplinary approach to solving problems.

Vision

To train students to be prepared to interact with teams of individuals across multiple sectors that are dedicated to lifelong learning and committed to their disciplines, and who possess the fortitude to solve problems that afflict us as a society, a nation, and a world. Our course curriculum and research programs are comprised of multidisciplinary teams of scientists and scholars who address health, disease, and the human condition using basic science, clinical, behavioral, and community-based research approaches. Working collaboratively with departments throughout the University, our goal is to ensure students understand the scientific foundations of their respective disciplines and the core concepts in their field, while gaining a holistic view of health, human behavior, and mental processes. Graduates will emerge with a skillset required of practitioners, employees, and scholars who will ultimately become change agents, enriching the lives of their community.

Program Goals:

The College of Health and Behavioral Sciences will:

- Provide integrated, practice-based pre-medical, health, healthcare, and behavioral science programs offered at the undergraduate and graduate levels
- Focus on experiential learning opportunities early and often through laboratory work, research, internships, patient care experiences, and shadowing opportunities.
- Offer advanced business and continuing professional education for healthcare professionals and research scientists.
- Develop interdisciplinary programs centered on strong data analytic, financial, management, and strategic skills of healthcare professionals and research scientists.
- Provide leadership training for healthcare providers, scientists, and behavioral scientists.
- Conduct interdisciplinary research and holistic study of the healthcare industry, human behavior, and mental processes.
- Advance outreach and community service activities

Faculty

Dean
Kirsten Hokeness

Associate Dean
Joseph J. Trunzo

Director of PsyD Program
Christina Tortolani

Biological and Biomedical Science Department Chair
Jennifer Hurrell

Psychology Department Chair
Heather Lacey

Biology Program Coordinator
Stephanie Mott

Exercise and Movement Science Program Coordinator
Jason Sawyer

Field Service Program Coordinator
Benjamin Fry

HC Informatics Program Coordinator
Nafees Qamar

Health Sciences Program Coordinator
Kristin Scaplen

Professor
Brian Blais

Professor
Allison Butler

Professor
Ronald J. Deluga

Professor
Kirsten Hokeness

Professor
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Professor
Qin Leng

Professor
Christopher Reid

Professor
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Professor
Hong Yang

Clinical Associate Professor
Jennifer Hurrell

Associate Professor
Nafees Qamar

Associate Professor
Jason Sawyer

Associate Professor
Kristin Scaplen

Assistant Professor
Melanie Maimon

Assistant Professor
Steven Weicksel

Senior Lecturer
Stephanie Mott

Lecturer
Lindsay Amper
Director of Clinical Training

Lecturer
Benjamin Fry

Lecturer
Robert Patalano

- **Biology: Tracks in General Biology, Pre-Health, and Environmental Biology**
- **Exercise & Movement Science: Tracks in Applied Exercises and Coaching and Healthcare Provider Prep**
- **Health Sciences: Tracks in General Health Sciences, Behavioral Health, and Health Promotion**
- **Heath Informatics**
- **Psychology**

Health Science Courses

HS 390. Research Methods in Health Sciences. 3 Credit Hours.
HS 390 is the core required course in research methodology for Health Sciences majors, focusing on the design, implementation, data analyses, and interdisciplinary of health science research. Health Science majors are expected to be well-versed in the conduct and interpretation of various research methodologies in preparation for further study at the graduate level, the workplace, and in life. This course will focus on the major subjects of research design, implementation, and data analysis and interpretation.
Prerequisites: PSY 260 or PSY 263, and MATH 201, and SCI 251 or SCI 265
Session Cycle: Spring
Yearly Cycle: Annual.

HS 391. Health Sciences Internship. 3 Credit Hours.
Students engage in individually supervised work-study arrangements and learn to apply theories and principles of health sciences in a work environment. Students must work at least ten hours per week on the internship (120 hours minimum), meet periodically with a supervising faculty member, research literature related to the field of the internship, and prepare a substantive report on their internship experience and the studies involved. This course is limited to juniors and seniors and requires the approval of a supervising faculty member and the program coordinator.

HS 401. Diseases and Disorders of the Nervous System. 3 Credit Hours.
This course will explore a broad range of major diseases and disorders affecting the nervous system. In this seminar style course, each disease will be discussing at the clinical, physiological, and molecular levels where appropriate. We will critically analyze environmental and genetic predispositions that lead to certain diseases and assess current as well as and potential future treatment strategies. Diseases to be discussed will include diseases of excitability, such as epilepsy, autoimmune disease, such as multiple sclerosis or myestheia gravis, infections such as meningitis, and neurodegenerative diseases (Alzheimer, Parkinson and Huntington's disease) among others.
Prerequisites: Junior Standing.

Psychology Courses

PSY 260. Introduction to Psychology. 3 Credit Hours.
This course will address the major principles, theories and research methods used to understand mental processing and behavior. An extensive survey of topics on human behavior across a variety of contexts will be made, as well as the ethical history and implications of the field.

PSY 263. Honors: Core Concepts in Psychology. 3 Credit Hours.
This course will address the major principles, theories and research methods used to understand mental processing and behavior. An extensive survey of topics on human behavior across a variety of contexts will be made, as well as the ethical history and implications of the field. Students will have the opportunity to contribute directly to the teaching of the course material. Students receiving credit for PSY 260, Introduction to Psychology, may not receive credit for this class.
Prerequisites: Honors Program.

PSY 301. Sensation and Perception. 3 Credit Hours.
This course introduces the biological and psychology processes through which we perceive and interpret the world around us. We will explore major sensory and motor systems by evaluating how sensory stimuli are transformed into meaningful signals to which the brain can interpret and respond. We will discuss the structures in the brain that process sensory information, how learning augments this process, and how these systems integrate information to construct stable representation of a variety of rich perceptual experiences.
Pre/Corequisites: PSY 374
Prerequisites: PSY 260, Sophomore Standing.

PSY 353. Psychology of Personality. 3 Credit Hours.
This course will examine the major historical and contemporary approaches to understanding personality and its development. Cross-cultural and gender influences on personality will be incorporated. Students will be expected to apply their understanding of personality theory to themselves, case studies and/or historical figures.
Prerequisites: PSY 260 or PSY 263.

PSY 355. Introduction to Psychopathology. 3 Credit Hours.
As an introduction to the processes and treatment of psychopathology, this course emphasizes contemporary approaches to understanding the causes and treatments of various psychological and psychiatric disorders.
Prerequisites: PSY 260 or PSY 263.

PSY 360. Child and Adolescent Development. 3 Credit Hours.
Human development is examined from the prenatal period through adolescence. Current research methods and relevant theories will be used to address the multiplicity of factors contributing to children's development.
Prerequisites: PSY 260 or PSY 263.

PSY 361. Adult Development and Aging. 3 Credit Hours.
The nature of psychological and physical change as well as stability throughout adulthood will be examined. A special emphasis is placed on understanding the experiences of aging individuals in the context of an aging society.
Prerequisites: PSY 260 or PSY 263.

PSY 362. Lifespan Development. 3 Credit Hours.
This course explores human development across the lifespan, highlighting how biological, psychological, social, and cultural factors shape growth and development. Students will examine major life stages—including infancy and childhood, adolescence, emerging adulthood, middle adulthood, and late adulthood—and connect core developmental theories to real-world contexts, considering the influence of family, culture, technology, and historical change. Through experiential projects, interactive lectures, and class discussions, students will apply developmental science to understand both individual differences and shared human experiences.
Prerequisites: PSY 260 Introduction to Psychology
Session Cycle: Alternate Spring Semesters.

PSY 365. Environmental Psychology. 3 Credit Hours.
This course uses an interdisciplinary perspective to investigate the role of the environment on behavior. Attributes of environmental settings which are associated with human performance and functioning will be analyzed.

Prerequisites: PSY 260 or PSY 263.

PSY 371. Applied Psychology. 3 Credit Hours.
In this overview course, the practical applications of psychological research to issues and problems facing the world will be addressed. Students will learn and be actively engaged in how psychological findings can be used in a large variety of contexts. These contexts include biomedical, educational, end user behavior, industrial/organizational, sports, legal system, physical surroundings, product design, aviation, animal training, paranormal phenomenon, elderly, and similar human factor environments.
Prerequisites: PSY 260 or PSY 263.

PSY 372. Positive Psychology. 3 Credit Hours.
This course focuses on the current findings from positive psychology including (1) antecedents of subjective well being happiness from birth through death (2) optimal human functioning and human excellence across the life span, (3) development of positive individual traits including virtue, interpersonal strength, self-determination, wisdom, altruism, optimism, and integrity, and (4) the study of collective or societal wellbeing.
Prerequisites: PSY 260 or PSY 263.

PSY 373. Cognitive Psychology. 3 Credit Hours.
This course is an overview of the primary areas within cognitive psychology. Topics include cognitive neuroscience, perception, attention, memory, language, mental imagery, categorization, decision-making and problem solving. Current, as well as classic theoretical perspectives and experiments, will be emphasized throughout the course.
Prerequisites: PSY 260 or PSY 263.

PSY 374. Introduction to Neuroscience. 3 Credit Hours.
This course provides a foundational overview of the structure and function of the human nervous system. Topics include the function of neurons and neural communication, the organization of the brain, sensory systems, and the neural basis of behavior. Students will explore how neurons process and transmit information, how brain regions are anatomically and functionally organized, and how neural systems contribute to perception, cognition, and behavior. Although the focus is on the human brain, comparative examples from animal research will be incorporated to illustrate key principles.
Prerequisites: PSY 260 or PSY 263.

PSY 375. Health Psychology. 3 Credit Hours.
This course is an overview of the primary areas within Health Psychology. These include an overview of the history of health psychology, methodological issues in health psychology research, the biopsychosocial model of health and illness, basic systems of the body, stress, illness, and coping, lifestyle enhancement and illness prevention, health promotion, dealing with chronic illness, proper utilization of the health care system, pain, life threatening health problems, and future issues for health psychology.
Prerequisites: PSY 260 or PSY 263.

PSY 376. Research Methods in Psychology. 3 Credit Hours.
This course is an introduction to experimental methods in psychology. The goals of this course are for you to learn how research is planned, carried out, communicated, and critiqued. This course will focus on developing general psychological research skills, including knowledge of experimental design, statistics, report writing, and ethical standards of research. In addition, this course will emphasize critical evaluation of scientific evidence. Mastery of the material covered should enable you to evaluate the adequacy of research findings reported by others, design research studies of their own, collect and analyze data, and write APA style research reports.
Pre/Corequisites: MATH 201
Prerequisites: PSY 260 or PSY 263.

PSY 377. Educational Psychology. 3 Credit Hours.
This course explores psychological principles, theories and methodologies as they apply to issues of teaching and learning in diverse educational and community settings. Topics covered include theories of learning and motivation, developmental characteristics of learners, individual differences, teacher behavior, assessment, and socio-cultural influences on learning and schooling.
Prerequisites: PSY 260 or PSY 263.

PSY 378. Industrial and Organization Psychology. 3 Credit Hours.
This course is an introduction to Industrial and Organizational (I/O) Psychology which focuses on human behavior in the workplace. I/O psychologists assist institutions in effectively hiring, managing, developing, and supporting employee careers. I/O psychologist efforts in aligning worker efforts with organizational needs contribute to the achievement of strategic goals. For employees, these goals include reduced turnover, increased productivity, enriched engagement, and enhanced subjective well-being.
Prerequisites: PSY 260 or PSY 263.

PSY 379. Neural Circuits and Systems. 3 Credit Hours.
This course will examine how neural circuits and systems function to produce sensation, action, and more complex behaviors, such as attention, executive function, language, emotion, motivation and sleep. We will also explore how disruptions to large-scale circuits or systems can result in mental illness. We will build on concepts learned in PSY374 and make use of modern methods and recent research in humans as well as animal models to inform our study.
Prerequisites: PSY 374 and Sophomore Standing.

PSY 386. Research Methods in Psychology II: Psychological Research and Statistics. 3 Credit Hours.
This course is the second course in the required research methods sequence for psychology majors, focusing on the design, implementation, and analysis of psychological research. Psychology students are expected to be well-versed in the conduct and interpretation of psychological research in preparation for further study at the graduate level, the workplace, and in life. This course will focus on the major subjects of research design, implementation, and data analysis and interpretation.
Prerequisites: PSY 260 or PSY 263 and Math 201 and PSY 376 and sophomore standing.

PSY 391. Psychology Internship. 3 Credit Hours.
Students engage in individually supervised work-study arrangements and learn to apply psychological theory and principles in a work environment (e.g., youth recreation center or mental health clinic). Students must work at least ten hours per week on the internship (120 hours minimum), meet periodically with a supervising faculty member, research literature related to the field of the internship, and prepare a substantive report on their internship experience and the studies involved. This course is limited to juniors and seniors and requires the approval of a supervising faculty member and the department chair.
Prerequisites: PSY 260 or PSY 263.

PSY 401. Neurobiology of Learning and Memory. 3 Credit Hours.
This course will offer an opportunity to explore the field's current understanding of learning and memory processes gained largely from both human and animal research. We will discuss how science is performed, learning is measured, and memory is studied. Comparisons will be made between different types of learning and a variety of memory systems. We will evaluate the mechanisms that are thought to underlie these processes and how they can be disrupted.
Prerequisites: PSY 260 and PSY 374.

PSY 402. Human Bots: The Intersection of Artificial and Human Intelligence. 3 Credit Hours.
This course explores the relationship between human cognition and artificial intelligence, focusing on how AI systems support, extend, or complicate human thinking. Students will examine essential topics in human memory, attention, decision-making, and problem solving, alongside foundational concepts in contemporary AI. Emphasis is placed on comparing the strengths and limitations of human and machine intelligence, evaluating the cognitive and ethical risks of AI-assisted judgment, and developing best practices for responsible human–AI collaboration. Through case studies, hands-on activities, and critical analysis, students will gain the skills needed to understand and navigate the expanding role of AI in personal, academic, and professional contexts.

Pre/Corequisites: PSY 260: Introduction to Psychology and Junior Standing
Session Cycle: Every Fall Semester.

PSY 440. The Design Thinking Process. 3 Credit Hours.
In this hands-on course, you will have an opportunity to learn and apply the design thinking process while simultaneously developing an understanding of the psychological (cognitive, behavioral) principles that underlie innovative thinking, problem-solving, and gamification. This course builds explicitly upon the introduction to design thinking that you received during the IDEA program. We will learn how design thinkers embrace a "test and learn" and "build to think" philosophy toward innovation.
Prerequisites: IDEA 101 and either PSY 260 or MGT 302.

PSY 465. Cross-Cultural Psychology. 3 Credit Hours.
This course involves an in-depth examination of culture's role in socialization and behavior. The rationale and methodology of cross-cultural psychology are extensively addressed early in the semester. Thereafter, specific topics such as life transitions or cognitive styles are analyzed in a seminar format.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 470. Social Psychology. 3 Credit Hours.
This course examines the factors impacting human relationships. Emphasis is placed on interpersonal attraction, attitude formation, social perception and cognition, altruism, aggression, small group behavior, and social identity and influence.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 471. Gender in Childhood. 3 Credit Hours.
In this course the meaning of gender and how it shapes children's experiences, perceptions, identities, and behavior will be addressed. The confluence of biology and socio-cultural factors on gender development will be considered. A variety of research approaches will be discussed as well as used by students.
Prerequisites: PSY 260 or PSY 263 and Junior standing.

PSY 472. Child Psychopathology. 3 Credit Hours.
This course will focus on major forms of atypical development in childhood and adolescence. Students will learn about the defining characteristics, possible causes, diagnosis, theoretical formulations, research evidence, and current approaches to intervention and prevention for child and adolescent disorders. These include behavioral disorders, mood disorders, developmental and learning problems, and problems related to physical and mental health. Psychopathology will be examined within the context of normal developmental processes and the larger systems in which children live.
Prerequisites: PSY 260 or PSY 263 and sophomore standing.

PSY 480. Counseling Theory and Practice. 3 Credit Hours.
This course reviews the major contemporary theories and techniques of counseling. Students have opportunities to observe counseling situations and to practice counseling techniques. Cross-cultural issues will be addressed.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 481. Exercise and Sport Psychology. 3 Credit Hours.
Exercise and Sport Psychology is the field of study whereby the educational, research, and professional contributions of psychology are used to promote, enhance, and maintain exercise and sport behavior across the lifespan. The course will emphasize the practical applications of these principles.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 482. Forensic Psychology. 3 Credit Hours.
This course is an introduction to the field of forensic psychology. Its content coverage will include the examination of the current issues, theories, and interface between psychology and the legal system. Students will explore a range of topics including criminal profiling, the reliability of hypnosis, lie detection, eyewitness testimony, trial preparation and jury selection, the insanity defense, domestic violence and sexual abuse cases, and death penalty trials and appeals.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 483. Drugs and Behavior. 3 Credit Hours.
This course is an overview of the primary topics related to understanding drugs and their effects on human behavior. Topics include historical and methodological perspectives, basic principles of drug action, basic neurobiology, and the physiological and behavioral effects of drug use and abuse, including stimulants, depressants, narcotics, hallucinogens, designer drugs, inhalants, alcohol, tobacco, and caffeine. The course will also cover the psychopharmacology and behavioral effects of prescription psychiatric medications, including anti-depressants, anti-psychotics, anxioloytics, mood stabilizers, and hypnotics (sleep agents). Additional readings and exercises will be assigned to enhance exposure to various topics beyond the text. Current as well as classic theoretical perspectives will be emphasized throughout the course.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 484. Psychological Testing and Assessment. 3 Credit Hours.
This course explores the goals and principles of psychological and educational assessment. Topics covered include the fundamentals of measurement theory and testing-related statistics; test construction and administration; and a review of the major types of psychological and educational tests. Contemporary issues in assessment such as bias, laws, and ethical concerns will also be discussed.
Prerequisites: PSY 260 or PSY 263 and MATH 201 and junior standing.

PSY 486. Judgement and Decision Making. 3 Credit Hours.
This course will examine the research on human judgment and decision making, and will explore the influence of these proceses in real-life areas such as health decisions, financial decisions, legal judgment, political decisions, and personal relationship choices.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 490. Senior Research Seminar. 3 Credit Hours.
In this course, students will integrate the knowledge they have accumulated in their first three years as an applied psychology major through the development and investigation of their own applied psychology hypothesis. In collaboration with the instructor and with their classmates, students will proceed through the stages of research from hypothesis development, to literature review, to proposing their research methods, to data collection, with the project culminating in written and oral presentations of their findings. Additionally, students will have the opportunity to influence their classmates' projects, and have them influence their project, as they discuss and evaluate each other's work. After completing the course, students will be qualified to evaluate others' research as well as conduct their own research, a skill crucial to many applied psychology careers.
Prerequisites: PSY 260 or PSY 263, PSY 371, PSY 376, Applied Psychology major, senior standing or permission of the instructor.

PSY 491. Senior Internship Seminar. 3 Credit Hours.
This course will serve to integrate and apply knowledge derived from prior coursework. This course has two major components: the field placement and the classroom seminar. The field placements are expected to be diverse and selected based on student interest and preparation. The seminar portion of the course will involve faculty lectures, class exercises, student-to-student discussions and written assignments based on assigned reading materials and field experiences.
Prerequisites: PSY 260 or PSY 263, PSY 376, Psychology major, senior standing or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

PSY 497. Directed Study in Psychology. 3 Credit Hours.
This course involves independent and in-depth study of a specific topic in psychology. Students work on an individually supervised research project with a member of the psychology faculty. Instructor and department chair permission is required.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY ST385. Special Topic: Head, Hand, and Hertford Programme in Leadership Innovation. 3 Credit Hours.
Travel to Oxford to participate in the Head, Hand, and Hertford Programme at Hertford College. Students study in residence at historic Oxford for two weeks, where they will develop skills in leadership, communication, and innovation alongside Oxford students. Within a rigorous academic environment, this program is led by Hertford College Principal Tom Fletcher. Students participate in workshops taught mostly by Oxford faculty. Through an engaging one-of-kind cultural immersion program, students will build upon skills that they have learned at Bryant to take their leadership skills to the next level. With an enhanced global perspective, appreciation for sociohistorical context, and personal growth and character development, students will leave this course with the intellectual and practical skills of a truly innovative leader.

Science and Technology Courses

SCI 251. Biology I Principles of Biology. 3 Credit Hours.
This course serves as an introduction to the fundamental principles of biology. Emphasis will be placed on topics including scientific/biological methodology, biological classification and nomenclature, cell structure and function, cellular biochemistry, principles of energy and metabolism, genetics, aspects of ecology, and the core theory of modern biology - evolution. Students will gain a deeper understanding of life processes at the cellular and molecular level. This course may be taken with a laboratory to fulfill the laboratory requirement for graduation.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 252. Medical Terminology. 1 Credit Hour.
This one-credit course introduces medical terminology for students entering health professions as well as other fields such as law, insurance, technology development, billing, and sales. Lectures are asynchronous online; testing and orientation are in person. It starts with an introduction to word parts building medical terms, instruction in organization of the body, directional terms, and abbreviations. A general overview of functions, pathology, and medical management will be provided for the major organ systems in the body.
Session Cycle: Fall.

SCI 253. Biology II Organismal Biology. 3 Credit Hours.
This course is intended as a higher level biology course focusing on organismal biology, the study of structure, function, ecology and evolution at the level of the organism. It will use evolutionary theory as an organizing theme to explore biodiversity, physiology of various organism groups (plants, animals, etc.), and ecology, with human physiology especially highlighted. This course will be essential for students intending to pursue advanced graduate or professional training in biological and biomedical fields.
Prerequisites: SCI 251
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 262. Physical Geology. 3 Credit Hours.
This course explores the cyclicality of geologic processes that shape the earth. Volcanic activity and earthquakes contribute to the building of mountains. Rivers and oceans help to destroy mountains. This simplistic idea is expanded to give the student a very good idea of "how the earth works." This course may be taken with a laboratory to fulfill the laboratory requirement.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 263. Astronomy. 3 Credit Hours.
This general introductory course explores the fundamentals of astronomy. All branches of modern astronomy are covered. Major topics include the historical development of astronomy, the solar system, and the universe beyond. This course may be taken with a laboratory to fulfill the laboratory requirement.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 264. Physics I Introductory Physics. 3 Credit Hours.
This course deals with some areas of physics, such as mechanics, heat, waves, sound, light, electricity, and modern atomic physics, primarily from a conceptual point of view. This course will be especially useful to students who plan to enter an industry in which an understanding of the physical laws of nature is desirable. This course may be taken with a laboratory to fulfill the laboratory requirement.
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 265. Introductory Chemistry I. 3 Credit Hours.
This course will provide a general knowledge of chemistry as foundational background for careers in the environmental and biological sciences, chemical, agricultural and pharmaceutical industries, energy and materials management, and community service sectors. This course provides an introductory study of the fundamental concepts of chemistry: atomic and electronic structure, chemical bonding, simple reactions in organic and organic chemistry, and chemical equilibria. This course may be taken with a laboratory to fulfill the laboratory requirement.
Corequisites: SCI R265: Introductory Chemistry I Recitation
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 267. Introductory Chemistry II. 3 Credit Hours.
This course completes a two-semester introductory chemistry sequence and will enhance a student's preparation for further study in the environmental and life sciences at Bryant. Recommended for students who are majors in Biology or Environmental Science and who plan to enter an industry or field of study where a general knowledge of chemistry is essential such as the health professions (medical, pharmaceutical, dental) and graduate school in the biological sciences. This course will characterize and explain chemical systems at equilibrium, as well as exploring spontaneous processes, rates of chemical reactions, electrochemistry, thermodynamics, and acid/base chemistry.
Prerequisites: SCI 265 Introductory Chemistry I
Corequisites: SCI R267: Introductory Chemistry II Recitation
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 268. Introduction to Environmental Sustainability. 3 Credit Hours.
This course provides students with a broad overview of the scientific principles, concepts, and methodologies required to understand the interrelationships implicit in environmental studies, including the concept of sustainability, and to identify and analyze environmental problems both natural and human-made. Integrated laboratory and/or field exercises will demonstrate the principles, processes, techniques, and technologies of environmental problems and solutions.
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 269. Climate Change. 3 Credit Hours.
This lecture course will both satisfy the science requirement in Bryant's General Education (Gen Ed) Curriculum and serve as an introduction to the most pressing issue and the most challenging crisis that humans now face—climate change. It will provide students with the fundamental scientific knowledge to help them understand the causes of climate change, the factual information on the immediate and lasting impacts on land and life, and the possibilities and innovations to mitigate and remediate climate-related disasters.
Session Cycle: Fall and Spring.

SCI 274. Physics II Biological Physics. 3 Credit Hours.
This course explores concepts in physics specifically related to the biological and health sciences, including properties of fluids and solids, thermodynamics, optics, electrostatics and DC circuits, and radiation and health. Examples will be drawn primarily from the biological world with a special emphasis on human and animal health. This course is required for students pursuing a pre-med track within the Biology major.
Prerequisites: SCI 264
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 275. Introduction to Healthcare: Clinical and Business Perspectives. 3 Credit Hours.
This course provides a broad-based introduction to the delivery of healthcare, as well as the growing and ever-changing healthcare industry. Students will become familiar with a variety of health professions and the importance of an interdisciplinary healthcare team. Topics such as documentation, DEI in healthcare, as well as social determinants of care will be discussed. The healthcare sector will be examined from a business standpoint, with an emphasis on insurance carriers, reimbursement, marketing, regulatory affairs, as well as other political and economic factors. The topic of biomedical ethics will be a theme that carries through the entire course.

SCI 351. Ecology. 3 Credit Hours.
This course provides a review of ecological principles and selected research studies underlying these concepts, identifies techniques used by ecologists, and presents an overview of local and global environmental issues, including strategies for sustainability. In addition, the course emphasizes critical analysis of environmental problems and examines individual, group and societal roles important to improving environmental quality. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 251, SCI 262, SCI 266, or SCI 268, or permission of the instructor
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 352. Exercise Physiology. 3 Credit Hours.
This course examines exercise from a scientific standpoint by analyzing the acute responses and chronic adaptations of the human body during aerobic and anaerobic exercise challenges, related to endurance and strength training. Emphasis is placed on bioenergetics as well as the mechanism for exercise related responses and adaptations in the musculoskeletal, pulmonary, cardiovascular, and endocrine systems. Students are encouraged to register for the optional SCI L352 Exercise Physiology Lab course during the same semester as the lecture course.
Prerequisites: SCI 251- Biology I Principles of Biology
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 353. Human Muscles and Movement. 3 Credit Hours.
This course leads students through an examination of the skeletal system, the joints, and the major muscles within the human body. Muscle actions will be determined through an analysis of their attachment points, line of pull, and orientation to the joint(s) they cross. Students will learn what joint positions place muscles on stretch, and what joint motions occur during various muscle contractions. Functional activities and common exercises will be analyzed to identify what muscles are contracting and what other forces may be influencing movement.
NOTE: This course is designed for students outside the Exercise and Movement Science major, and students may not receive credit for SCI 353: Human Muscles and Motion if they have or will receive credit for SCI 387: Functional Musculoskeletal Anatomy and/or SCI 381: Kinesiology.
Prerequisites: SCI 251.

SCI 354. Fundamentals of Nutrition. 3 Credit Hours.
Nutrition concerns the study of processes by which organisms ingest, digest, absorb, utilize food and excrete wastes. Students will learn human diet and nutritional needs and develop the ability to think critically about nutrition claims and counterclaims in the marketplace. Recent advances in nutrition research, such as those relating to weight loss, performance enhancement, and mood control, will also be covered.
Prerequisites: SCI 251
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 355. Energy Strategies for a Sustainable World. 3 Credit Hours.
In this course students review the principles of energy transformation, explore alternative energy resources and their feasibility, and assess current and future energy policy formation. In addition, students examine the economic and ecological impacts of various policy options and provide assistance in structuring institutional management plans for efficient energy use. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: 200-level science course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 356. Introduction to Biotechnology. 3 Credit Hours.
Biotechnology is the commercial application of living organisms involving the deliberate manipulation of their DNA. As such, biotechnology broadly impacts commercial markets in human and animal health care, agriculture and horticulture, and the forensic sciences. Students will learn, through lectures and "hands on" laboratory experiences, about the biotechnology products and "new life forms" which have been or are about to be commercialized. This course involves significant "hands on" experiences and focuses on the development process of bioengineered products from Idea inception to market entry. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 251 or SCI 265
Session Cycle: Varies.

SCI 359. Artificial Intelligence (AI) in Healthcare. 3 Credit Hours.
This course introduces artificial intelligence (AI) from the perspective of its application to healthcare. The course focuses on applied techniques in AI, drawing from a collection of case-studies chosen to be both approachable and current. A working proficiency in Python is helpful, but the course will review and workshop the necessary programming skills for those with little or no programming background. The course will also include support programming libraries to make the technical aspects more approachable. By exploring case-studies, and applied techniques to real data sets, students will gain both the practical skills of implementing the methods of AI in healthcare and the necessary understanding of how the methods work. In this way, students will be able to approach new methods of AI as they are developed in this fast-paced field with the confidence that they can understand both the strengths and weaknesses of AI.
Session Cycle: Every Spring.

SCI 360. Anatomy and Physiology I. 3 Credit Hours.
The essential principles of human anatomy and physiology are explored in this course, using a systems approach. The first portion of the course will review fundamental biological and chemical principles central to life at a cellular level, and explore the structure and function of tissues. The second portion of the course will involve a detailed analysis of the structure and function of the integumentary, skeletal, muscular, nervous and endocrine systems, as well as an examination of the senses. The coordination of these organ systems and their role in the maintenance of homeostasis in the human body will also be explored. The course can be taken with a laboratory to fulfill the laboratory requirement, or to prepare for application to medical or professional programs in the health sciences.
Prerequisites: SCI 251 and SCI L251 and SCI 253 or instructor permission

Session Cycle: Fall
Yearly Cycle: Annual.

SCI 363. Genetics. 3 Credit Hours.
This course will introduce students to the fundamental concepts of genetics. The first half of the course will detail classical inheritance patterns, chromosomal rearrangement, mutations and DNA repair. The second half of the course will deal with modern discoveries and applications in today's world with respect to uses in biotechnology, genomics as well as the role of genetics in the development of disease states such as cancer. Experimental data will be incorporated into each segment of the course to enhance understanding of the scientific method and reinforce lecture topics. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 251, sophomore standing or permission of instructor
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 365. Organic Chemistry I. 3 Credit Hours.
This course will provide an introduction to the chemistry of organic compounds and the importance of organic chemistry in our everyday life. Organic chemistry is involved in many industrial production processes such as plastics and pharmaceuticals, as well as being essential to the reactions and processes that occur in living organisms. This course will cover the structure and chemistry of the major classes of organic compounds and is recommended for students who plan careers in environmental toxicology, the chemical and pharmaceutical industries, waste management, biological sciences and geochemistry. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 267: Introductory Chemistry II
Corequisites: SCI R365: Organic Chemistry I Recitation
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 366. Coastal Environments. 3 Credit Hours.
This course will teach the student how different types of coastlines are molded from waves, tides and sediment supply. It will also show the different tools, methodologies, and applications that are available to the coastal geomorphology assessment and surveying service industries. Group projects involve the preparation of technical/cost proposals to solve coastal geo-technical problems and design of coastal management plans.
Prerequisites: SCI 251 or SCI 262 or SCI 266 or SCI 287 or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 367. Biochemistry. 3 Credit Hours.
This course involves the study of chemical processes that are continually occurring within a living organism. The structures and functions of critical chemical components of all cells will be covered as well. In addition, critical processes such as metabolism, generation of energy and the biosynthesis of major biomolecules (proteins, DNA, lipids, carbohydrates) and photosynthesis will be analyzed in-depth. The final portion of the course will examine biochemical basis of disease, and how biological systems deal with toxins. Enrollment in the companion laboratory course is recommended, as it provides valuable practical experience that supports and enriches the conceptual framework established in lecture.
Prerequisites: SCI 251 and SCI 365; or permission of the instructor
Session Cycle: Every Spring Semester.

SCI 368. Elements of Forensic Science. 3 Credit Hours.
This course will provide an overview of forensic science, including strategies for identifying and solving complex problems, exposure to the analytical tools used by forensic scientists, and the professional standards and ethical considerations guiding practitioners. Special topics will include the scope and history of forensic science, the use of scientific methodology, the concepts of evidence and proof, and the methodologies used for establishing unique connections based on physical, chemical and biological evidence. Students will also become acquainted with the role of histology, serology and DNA typing in forensic analyses, the importance of accurately reconstructing dynamic processes; the recognition, collection and preservation of evidence; the use of statistical techniques, and the demands for quality assurance. An introduction to the technologies used by forensic scientists will be included, along with an examination of the scope of professional careers in forensic science, especially the collage of specialties that comprise collaborative forensic teams.
Prerequisites: SCI 251 or SCI 265 or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 371. Human Impact on the Global Environment. 3 Credit Hours.
Having doubled in the last 40 years, the human population is requiring an increasing amount of natural resources while generating a substantial amount of waste and pollution that the environment can no longer absorb. It has been reported that human activities, such as land development and agriculture, have modified over 50% of the Earth's land surface. We are also causing an extinction rate 1,000 – 10,000 times greater than the background extinction rate. This course covers environmental issues on land use, wildlife protection, and human health. Topics include toxicology, agriculture, forestry, urbanization, biodiversity decline, and sustainable solutions. Tools and techniques for problem solving and analysis will be emphasized. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: 200-level science course
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 373. Artificial Intelligence and Robotics. 3 Credit Hours.
Can machines think? What does this really mean? This course provides an introduction to the topic of artificial intelligence and robotics. The lab part of the course provides hands-on experience in the making of thinking machines. The lecture part of the course will focus on the theory of artificial intelligence and robotics, but will also include some hands-on projects and competitions. The course (both the lab and lecture) will serve as an introduction to programming in Python, and the use of the robotic hardware. The course will present methods for solving difficult decision-making problems. The lecture and lab (SCI L373) must be taken concurrently. Some programming experience is helpful but is not required.
Prerequisites: 200 level science course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 374. Organic Chemistry II. 3 Credit Hours.
This course is the second semester offering of the full year of organic chemistry. This course will expand your basic knowledge of organic chemistry by developing a deeper understanding of the reactivity of functional groups such as aromatic rings, dienes, alcohols, amines, aldehydes, ketones, carboxylic acids and their derivatives. In addition, it will further your understanding of "electron pushing", so that you are able to propose reasonable reaction mechanisms. Students will be able to use the fundamentals of functional group reactivity to develop multi-step syntheses of organic molecules. Finally, students will be able to use NMR spectroscopy, along with IR spectroscopy and mass spectrometry, to deduce unknown organic structures.
Prerequisites: SCI 365
Corequisites: SCI R374: Organic Chemistry II Recitation
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 376. GIS for Health, Business, and the Environment. 3 Credit Hours.
This course will demonstrate how Geographic Information Systems (GIS) can be used to help build efficiency and solve real-world problems in the health, environmental, and business industries. This course will focus on contemporary GIS data management, the structure of GIS applications, the types of mapping data that can be processed, and the types of customized products that can be developed. Case studies will be used to develop career-related skills such as utilizing GIS data to improve decision making, generating data visualization, and presenting findings to stakeholders. Through project-based learning, students will have the opportunity to utilize GIS tools within their individual fields of interest.
Prerequisites: 200-level science course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 377. Microbiology. 3 Credit Hours.
This course examines life at the microscopic level and is designed to provide an understanding of microbiology and its connectedness to the environment, medicine, agriculture, and industry. Topics will include exploration of the world of bacteria, viruses, protista, and fungi, use of microbes in genetic engineering, food preservation and safety, the role of microbes in biotechnology, industry, and agriculture, antibiotic resistance, viral and bacterial diseases of humans, and the use of microbes or microbial products in bioterrorism. Demonstration exercises will be integrated throughout the course to reinforce lecture topics. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 265 with lab or SCI 251 with lab or permission of instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 379. Emergency Medical Technician I. 3 Credit Hours.
This course is part one of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include an overview of the EMS system and work force, medical legal issues, documentation, patient assessment, pharmacology, lifting and moving, airway management and respiratory emergencies, trauma, management of bleeding and shock, as well as management of acute disorders of the genitourinary, cardiovascular, neurological, gastrointestinal and urological systems.
Prerequisites: SCI 251 Corequisite: SCI L379
Session Cycle: Alternate Fall Semesters.

SCI 380. Anatomy and Physiology II. 3 Credit Hours.
This course is the second semester of a 2-course sequence that covers the study of the structure and function of the human body. Topics include a further exploration of essential principles in human anatomy and physiology, and are built upon the knowledge acquired in Anatomy and Physiology I. The course will proved a detailed analysis of the structure and function of the cardiovascular, lymphatic, digestive, respiratory, urinary and reproductive systems, as well as to examine human growth and development. The coordination of organ systems and their role in the maintenance of homeostasis in the human body will be examined. The course is matched with a laboratory component (Anatomy and Physiology Lab II), and is considered to be a requirement for pre-med and many pre-professional health programs.
Prerequisites: SCI 360, Sophomore standing, or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 381. Human Kinesiology. 3 Credit Hours.
This course will examine human movement by studying the relationship between human structure and function. Normal and abnormal movement patterns will be defined in the context of osteokinematic and arthrokinematic motions. Consideration will be given to the internal and external forces that cause or resist human movement. Emphasis will be placed on joint biomechanics during stretching, functional activity, and resistance exercise, as well as the biomechanical factors that influence human strength and power.
Prerequisites: SCI 387
Corequisites: SCI L381
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 382. Cell Biology and Molecular Genetics. 3 Credit Hours.
This course is designed for upper-level students as a continuation of General Biology. SCI 382 focuses on the fine structure of cells, intra- and intercellular communication, and the molecular organization and transfer of genetic information. Experimental design, methodology, and current biotechnological applications will also be discussed. For many of the lecture topics, primary research and review articles will be assigned for reading pertaining to the lecture. The overall goal of the course is for students to synthesize knowledge of how cells function with experimental design and experimental methodology. Upon the completion of this course students should be able to successfully convey this knowledge through scientific writing and add to their knowledge through reading and understanding of scientific literature. Enrollment in the companion laboratory course is recommended, as it provides valuable practical experience that supports and enriches the conceptual framework established in lecture.
Prerequisites: SCI 251
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 383. Human Health and Disease. 3 Credit Hours.
This course provides an in-depth examination of human health, disease processes, and evidence-based approaches to disease prevention, diagnosis, and treatment. Students will explore the pathophysiology of multiple body systems including musculoskeletal, cardiovascular, respiratory, nervous, gastrointestinal, endocrine, and integumentary systems, as well as cancer, pain mechanisms, mental health, and the impact of climate change on human health. The course emphasizes the development of skills in locating, evaluating, and applying scientific research literature related to human health and disease. Students will learn to critically assess evidence-based medical information and understand how modern biomedical advancements inform disease management, preparing them for advanced study in health sciences and biology.
Prerequisites: SCI 251 or SCI 267
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 384. Emergency Medical Technician II. 3 Credit Hours.
This course is part two of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include management of patient exposed to hazardous materials, poisons, or allergens, endocrine and hematologic disorders, behavioral health crises, vehicular extractions, managing mass casualty incidents, special rescues (i.e. water), and managing special populations such as obstetrics, neonatal, pediatrics, geriatric, and patients with other special needs.
Prerequisites: SCI 379, SCI L379 Corequisites: SCI L384
Session Cycle: Alternate Spring Semesters.

SCI 386. Sports Nutrition. 3 Credit Hours.
This course examines the role that professionals in the exercise industry play in promoting optimal nutrition to optimize human health, athletic performance, and recovery. Analysis of nutrient requirements before, during, and after exercise will be explored from an evidence-based bioenergetics standpoint. The use of nutritional supplements, popular diets, weight control, and causes and treatment of eating disorders will be explored. Consideration will also be given to how hormone action, performance enhancing substances, alcohol and tobacco influence an athlete's performance.
Prerequisites: SCI 251 Biology I (with lab)
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 387. Functional Musculoskeletal Anatomy. 3 Credit Hours.
A thorough understanding of functional musculoskeletal anatomy is necessary to become an expert in human movement and exercise. This course uses a regional approach to studying the anatomical structures that create both stability and movement in the human body, including muscles, bones, joints, and connective tissue. The function of individual muscles will be examined based on their anatomical attachment points, and surface palpation of the major bony landmarks and muscles of the trunk and extremities will be performed.
Prerequisites: SCI 360 Anatomy and Physiology I (with lab)
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 388. Field Experience I. 3 Credit Hours.
This course is the first of two field experiences in the Exercise and Movement Science program. During this field experience students spend 150 hours in an exercise science/wellness setting that meets Bryant's Exercise and Movement Science program requirements. This field experience provides students with the opportunity to gain real-world experience and to apply scientific and ethical principles learned in the classroom in an authentic environment.
Prerequisites: SCI 381, SCI L381: Kinesiology (with lab), SCI 476, SCI L476: Principles of Strength and Conditioning I (with lab)
Session Cycle: Every Fall Semester.

SCI 390. Research Methods in Science. 3 Credit Hours.
This course is intended to provide an introduction to scientific methodology and analytical science. Topics will include data analysis, statistical analysis, principles of spectrophotometry, chromatography and microscopy, field sampling techniques, technical writing, and oral presentation skills. This course will serve as the foundation for the SCI 490 research project and those students interested in analytical science.
Prerequisites: Junior standing and science major or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 391. Science Internship. 3 Credit Hours.
The science internship provides the student with the opportunity to gain on-the-job experience and to apply scientific principles and procedures learned in the classroom in a work environment. The student is required to meet regularly with a faculty advisor, keep a daily log of activities, complete a paper or specific research project, and prepare an evaluation of the experience at the end of the internship.
Prerequisites: Approval of a supervising faculty member and department chair.

SCI 392. Real World Applications for Sustainability and Climate Action. 3 Credit Hours.
This course presents a comprehensive assessment of environmental policy, emphasizing the interrelationship between science, business, and governance for mitigating climate change impacts. The course is enriched by hands-on learning experiences dedicated to the conservation of biodiversity, achieving sustainable growth policies that encompass economic realities, or the development of technological and methodological innovations in sustainability. The course includes a semester long, student-designed research project, the attendance of seminars and other campus events, and student-led discussions. By the end of the semester. Students will be familiar with corporate sustainability strategies and metrics for assessing environmental performance and decarbonization initiatives.
Prerequisites: SCI 268, or SCI 269, or permission of the instructor
Session Cycle: Every Spring.

SCI 397. Directed Study in Science. 3 Credit Hours.
This course is tailored to fit the unique interests of a student interested in science. Faculty and student will design a program for the study of complex issues in science and/or technology, including technical applications of scientific methodology and basic applied research into existing scientific problems, including regular meetings throughout the semester. The end product of this study would be a paper describing the results of the investigation, including methodology and data that have been generated, or the equivalent.
Prerequisites: approval of supervising faculty member and department chair.

SCI 401. Fundamentals of Strength and Conditioning. 3 Credit Hours.
This course provides a broad-based exposure to the theory and practice of strength training and physical conditioning. Current evidence will be presented for designing and optimizing aerobic exercise and anaerobic exercise programs, including cardiovascular training, resistance training, and functional exercise for strength, agility, balance and coordination. The impact of program design and periodization on physical performance will be explored. Injury prevention, including the use of warm up programs and stretching will also be covered. NOTE: This course is designed for students outside the Exercise and Movement Science major, and students may not receive credit for SCI 401 Fundamentals of Strength and Conditioning if they have or will receive credit for SCI 476: Principles of Strength and Conditioning I and/or SCI 477: Principles of Strength and Conditioning II.
Prerequisites: SCI 251, and (SCI 353 OR SCI 381).

SCI 402. Current Topics in Nutrition. 3 Credit Hours.
This course presents an overview of current topics in nutrition for health and disease. Students will review and critically evaluate a wide variety of topics in nutrition. Examples include emerging techniques to assess nutrient intake, advancements in food technology to improve nutrient quality and reduce environmental impact, and upcoming policy change that will impact our food environment. A major focus will be placed on nutritional interventions to prevent, reverse, or manage the most common chronic metabolic conditions including obesity, diabetes, and cardiovascular disease.
Prerequisites: SCI 354 or SCI 386
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 403. Innovations for Sustainable Futures. 3 Credit Hours.
As climate change alters ecosystems and impacts lives globally, immediate action is essential for a sustainable future. "Innovations for Sustainable Futures" takes an interdisciplinary approach to explore the climate crisis—its history, current challenges, and future projections. The course evaluates energy use, economic development, technological innovations, and lifestyle adaptations. Through readings and discussions, students will gain insights into the scientific, technical, and socio-economic factors that underpin renewable energy solutions. Engaging in debates and group projects, students will analyze climate data and develop creative, economically viable strategies for sustainable, ethical, and equitable responses. This course aims to inspire imaginative actions toward a low-carbon future.
Prerequisites: SCI 268, or SCI 269
Session Cycle: Every Fall.

SCI 455. Environmental Policy: Decision Making and Problem Solving. 3 Credit Hours.
This course will present an overview of environmental policy alternatives, emphasizing the interrelationship of science, business and government in policy formation and implementation. Global issues will be included, with special attention directed toward international efforts to achieve consensus on sustainable growth policies that encompass economic realities, technological innovation and a sensible legal and regulatory framework. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: SCI 251 or SCI 262 or SCI 265 or SCI 266 or SCI 351 or SCI 371 or SCI 372 or SCI 376 and junior standing; or permission of instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 457. Environmental Toxicology and Risk Assessment. 3 Credit Hours.
The generation of hazardous wastes and our potential exposure to them is increasing; Lead in city water, mercury in fish, "boil water" advisories, PFAS, PCB's, PAH's, BPA and more. In this course, we will examine a variety of environmental hazards through case studies, see how they end up in human systems, and understand their effect on human health. It is designed for students who are interested in various aspects of hazardous substances and wastes, including regulation, treatment, remediation, biological effects, chemical phenomena, transport, source reduction, and research. Readings and discussions will be integrated throughout the course to reinforce lecture topics.
Prerequisites: 200-level science course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 463. Issues in Environmental Science. 3 Credit Hours.
This course provides an understanding of current environmental problems and a familiarity with innovative developments to solve them. Current issues from the following subject areas will be discussed: climate change, energy, land degradation, air and water quality, population growth, resource depletion, and wildlife management. Guest speakers will describe their work and provide insight on specific environmental issues and the future of the environmental science field. Students will research proposed solutions to various current environmental problems and evaluate their potential effectiveness. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: 200-level science course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

SCI 466. Global Health Challenges. 3 Credit Hours.
This course will explore the unique global health challenges we are facing today. As the world becomes increasingly globalized, the status of health worldwide has begun to decline. This course will present some of the complexities facing the global health community from a variety of perspectives. A brief history of global health will be given, with particular attention to environmental degradation, especially the correlation between these changes and adverse effects of health and disease transmission. Social issues including literacy and cultural values will also be discussed in relation to effects on health. Selected communicable diseases and zoonotic and emerging diseases will be highlighted, along with current efforts to stop the spread of these diseases within the global community. Selected epidemiological studies will be emphasized to ensure that students are able to comprehend and appraise research in this field. For qualified students, this course may be taken as a 500-level.
Prerequisites: One of the following courses: SCI 251, SCI 351, SCI 356, SCI 362 or SCI 377, and junior standing or permission of the instructor especially for 500 level graduate course content
Session Cycle: Fall
Yearly Cycle: Varies.

SCI 467. Management Principles in Fitness and Athletics. 3 Credit Hours.
This course will examine the administrative principles associated with development, maintenance and operation of a fitness or sports organization in the public or private sector. Organizational business structures, equipment, staffing, as well as ethical, legal and economic considerations will be explored. Factors related to emergency planning and response will also be presented. One business course and one marketing course at the 200-level or above are recommended before taking this course.
Prerequisites: Junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 470. Immunity and Disease. 3 Credit Hours.
This course will provide a broad introduction to the rapidly advancing study of immunity and disease. Starting with a survey of basic immunological principles, the course will explore the importance of the molecular and cellular factors involved in immune responses. Key methodologies used by immunologists and the practical applications of this research for the medical community will be discussed, causes of autoimmune disorders.
Prerequisites: SCI 251 or SCI 366 or SCI 377 or permission of instructor
Session Cycle: Fall
Yearly Cycle: Varies.

SCI 472. AI and Technology in Wellness and Performance. 3 Credit Hours.
This course explores the intersection of artificial intelligence (AI), machine learning (ML), and emerging technologies in the domains of human wellness, physical fitness, and performance. Students will examine how data-driven tools are transforming healthcare, athletic training, rehabilitation, and human movement analysis. Through case studies, hands-on projects, and interdisciplinary collaboration, students will learn to critically evaluate and apply AI and technology in real-world scenarios relevant to future careers in healthcare, coaching, and performance science.
Prerequisites: SCI 352/L352 and (SCI 353 or SCI 381/L381), and (SCI 401/L401 or SCI 477/L477)
Session Cycle: Every Spring.

SCI 476. Principles of Strength and Conditioning I. 3 Credit Hours.
This course will review the scientific principles behind designing safe and effective aerobic exercise and resistance training programs. Strengthening with free weights, machine training, and Olympic style lifting will be covered. Methods for integrating warm up activities, designing stretching programs, and for optimizing physical performance through program design and periodization will be explored. An overview of the physiologic principles that govern tissue injury and healing, and introduction of the basic tenants of injury prevention will also be provided.
Prerequisites: SCI 251/L Biology I (with lab), SCI 360 Anatomy & Physiology I (with lab), SCI 380 Anatomy & Physiology II (with lab), SCI 352 Exercise Physiology, SCI 387 Functional Musculoskeletal Anatomy, SCI 381 Human Kinesiology (with lab)
Corequisites: SCI L476: Principles of Strength and Conditioning I Lab
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 477. Principles of Strength and Conditioning II. 3 Credit Hours.
This course will review the scientific principles behind designing safe and effective anaerobic exercise and functional strengthening programs. The use of balance, core stabilization, coordination, agility, and plyometric activities will be explored, as well as nontraditional techniques such as blood flow restriction training. Application of rehabilitation and reconditioning principles after musculoskeletal injury and concussion will be introduced. In addition, exercise considerations for special populations such as children, older adults and the female athlete will be discussed.
Prerequisites: SCI 251 Biology I (with lab),SCI 360 Anatomy & Physiology I (with lab), SCI 380 Anatomy & Physiology II (with lab), SCI 352 Exercise Physiology, SCI 387 Functional Musculoskeletal Anatomy, SCI 381 Human Kinesiology (with lab) & SCI 476 Principles of Strength and Conditioning I (with lab)
Corequisites: SCI L477: Principles of Strength and Conditioning II Lab
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 488. Field Experience II. 3 Credit Hours.
This course is the second and final field experience in the Exercise and Movement Science program. During this field experience students spend 150 hours in an exercise science/wellness setting that meets Bryant University's Exercise and Movement Science program requirements. This field experience provides students with the opportunity to gain real-world experience and to apply scientific and ethical principles learned in the classroom in an authentic environment. With guidance from their faculty and field experience supervisor, students also complete a research-based project related to exercise science.
Prerequisites: SCI 388: Field Experience I
Session Cycle: Every Spring Semester.

SCI 490. Research Directed Study in Science. 3 Credit Hours.
This course is designed to refine the research interests of departmental majors, and to gain additional hands-on research skills, including experimental design, methodology, and exposure to technology and instrumentation appropriate for a more extensive research project. Direct interaction of faculty and students will be required, and students will be matched with a faculty member most closely aligned with his/her research interests. The end product of this study will be a scientific paper describing a literature search, precise methodology, data analysis, and discussion of the research. An oral presentation of the research results will be expected, and the paper will be evaluated for publication in an appropriate journal.
Prerequisites: SCI 390 and senior standing or permission of the department chair.

SCI 497. Directed Study in Science. 3 Credit Hours.
This course is tailored to fit the unique interests of a student interested in science. Faculty and student will design a program for the study of complex issues of science and/or technology, including technical applications of scientific methodology and basic applied research into existing scientific problems, including regular meetings throughout the semester. The end product of this study would be a paper describing the results of the investigation, including methodology and data that have been generated, or the equivalent.
Prerequisites: approval of supervising faculty member and department chair.

SCI HS300. Honors Special Topics in Science Application of Brain Science. 3 Credit Hours.
The human brain is very good at recognizing patterns. We are able to learn new faces and languages, and are able to work in complex environments easily. Brain models have been able to capture some of these features, and are continually giving us a better understanding of the workings of the brain. In this course we look at applications of these models on non-biological problems. For example, Google uses brain modeling techniques in some of its data analysis, and neural networks are used in automobiles and factories. Netflix has an ongoing contest to improve their ratings system, the winners of previous contests have used models inspired from the brain. This course will explore these, and other, applications of these models in data analysis problems in finance, marketing, science, economics, and other fields.
Prerequisites: Honors Program and 200-level science course.

SCI L251. Biology I Laboratory. 1 Credit Hour.
This laboratory course is intended to complement the General Biology lecture course. Familiarity with a variety of organisms, techniques, and concepts is obtained through a direct, hands-on approach.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course and will also fulfill the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L253. Biology II Laboratory. 1 Credit Hour.
This course is intended as a higher level biology laboratory course, and will be essential for students intending to pursue advanced graduate or professional training in biomedical fields. Building on the foundations of biological science covered in General Biology – SCI 251 and Biology II – SCI 253, this laboratory course will use evolutionary theory as an organizing theme to explore biodiversity, animal and plant biology, human anatomy and physiology, immunology, hormone regulation, and vaccine development .
Pre/Corequisites: this course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Prerequisites: SCI 251 and SCI L251
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L262. Physical Geology Laboratory. 1 Credit Hour.
This laboratory course complements Physical Geology. Familiarity with minerals, igneous, sedimentary, and metamorphic rocks will be gained through hands-on activities. Other exercises include plotting of earthquake epicenters and map reading.
Pre/Corequisites: this course many only be taken concurrently with the lecture course or in a subsequent semester to the lecture course and fulfills the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L264. Physics I Laboratory. 1 Credit Hour.
This laboratory course is designed to provide a better understanding of the physical principles studies in the lecture course. The work done here provides an opportunity to become familiar with the scientific methods of making experimental measurements and evaluating the results of these measurements.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Annual.

SCI L265. Introductory Chemistry I Laboratory. 1 Credit Hour.
Laboratory experimentation is the foundation of the science of chemistry. The "hands-on" experiments performed in this course will illustrate the principles, theories, and laws discussed in the lecture portion of the course.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Annual.

SCI L267. Introductory Chemistry II Laboratory. 1 Credit Hour.
This course completes a two (2) semester introductory chemistry sequence (lecture plus lab), and will enhance a student's preparation for further study in the environmental and life sciences at Bryant. Recommended for Science and Technology majors/concentrators, and who plan to enter an industry or field of study where a general knowledge of chemistry is essential, such as the health professions (medical, pharmaceutical, dental) and graduate school in the biological sciences. This laboratory course will present practical applications of inorganic chemistry, thermodynamics, kinetics, and spectroscopy, and will coincide with the Chemistry II lecture.
Pre/Corequisites: This course may be only taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L269. Climate Change Laboratory. 1 Credit Hour.
This laboratory course complements the “SCI 269 Climate Change - Causes, Impacts, and Solutions” lecture course. This course will cover topics including weather and climate, natural and human-induced causes of climate change, major impacts of climate change, and possible solutions for climate change mitigation and adaptation. Methods of ancient climate change reconstruction and future climate prediction will be included, providing students a hands-on and experiential learning opportunity to acquire climate change related knowledge.
Pre/Corequisites: SCI 269
Session Cycle: Every Fall and Spring.

SCI L274. Physics II Laboratory. 1 Credit Hour.
This laboratory course consists of a series of exercises and term projects designed to give the student a quantitative understanding of experimental biological physics. The course follows Socratic methodology wherever possible to allow the students to gain a strong intuition even for concepts that are challenging. Data analysis techniques will be covered, as well as the use of technology in the gathering and interpretation of issues related to biological physics.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; and fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Alternate Years.

SCI L351. Ecology Laboratory. 1 Credit Hour.
This laboratory complements the Ecology: Theory and Applications lecture course. Ecosystem dynamics, including assessment of biotic and abiotic components, population growth patterns, species diversity and perturbation responses will be emphasized. Techniques and equipment commonly employed by professional ecologists will be stressed, using field studies, laboratory investigations, computer simulation, lab demonstrations, and site visits.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L352. Exercise Physiology Laboratory. 1 Credit Hour.
This laboratory course complements and reinforces the content in the Exercise Physiology lecture course. Students will have the opportunity to perform basic laboratory tests and measurements commonly used in human exercise physiology studies including but not limited to heart rate, blood pressure, EMG, VO2, and blood lactate levels. Emphasis will be placed on interpretation of data, and application of knowledge in real-world scenarios related to exercise physiology.
Pre/Corequisites: SCI 352
Prerequisites: SCI 251.

SCI L355. Energy Strategies for a Sustainable World Lab. 1 Credit Hour.
This laboratory course complements the Energy Strategies for a Sustainable World lecture course. Familiarity with a variety of non-renewable and renewable resources will be gained through hands-on activities. Exercises include evaluation of fossil fuel efficiency, computer simulations of resource allocation, and the design of a solar house.
Pre/Corequisites: SCI 355
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L356. Biotechnology Laboratory. 1 Credit Hour.
This laboratory course will provide a hands-on approach to examine topics such as genes and genomes, genetic manipulation, microbial biotechnology, plant and animal biotechnology, forensics, medical and environmental biotechnology to accompany the material covered in the Introduction to Biotechnology course. Students will gain a greater knowledge of the techniques currently used researchers in the biotech field.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Varies.

SCI L360. Anatomy and Physiology Laboratory I. 1 Credit Hour.
This laboratory component of Anatomy and Physiology I course will enable students to become familiar with anatomical structures at their own pace, using a hands-on approach. The laboratory exercises will include studies of 3-dimensional models and prepared slides, dissections of isolated organ systems, and observation of a virtual cadaver dissection, which will enable students to examine detailed structural features of key organs and systems, and better appreciate how the various body systems integrate. This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course. This course fulfills the laboratory science requirement
Session Cycle: Fall
Yearly Cycle: Annual.

SCI L363. Genetics Laboratory. 1 Credit Hour.
This laboratory course accompanies the Genetics lecture course which is intended to provide the fundamental basics of inheritance as well as to integrate modern uses of genetics in biotechnology and genomics. Topics will include basic inheritance patterns, reproduction, chromosomal replication, and the role of genetics in the development of various diseases. Students will be able to track inheritance patterns to determine risk of the occurrence of disease using hands-on techniques such as genetic karyotyping, generation of Punnett squares and DNA fingerprinting analyses.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI L365. Organic Chemistry I Laboratory. 1 Credit Hour.
This laboratory course will accompany the Organic Chemistry lecture course. Laboratory activities are based primarily on the study of carbon-containing compounds. Students will be given the opportunity to carry out reactions covered in the lecture course. In addition, the basic techniques required for performing organic chemistry research will also be learned, utilizing state of the art equipment, and the importance of organic chemistry to biology and environmental science will be emphasized.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI L367. Biochemistry Lab. 1 Credit Hour.
This inquiry-based laboratory course explores the molecular foundations of protein structure, function, and evolution through hands-on experimentation and hypothesis-driven research. Cross-listed to support Biochemistry and Cell Biology and Molecular Genetics lectures, it introduces students to advanced molecular biology techniques, such as recombinant DNA technology, site-directed mutagenesis, protein purification, and molecular graphics software for structural analysis. Students will engineer and characterize novel proteins (meaning results are not predetermined), gaining experience in experimental design, data interpretation, and scientific communication. Emphasis is placed on understanding the relationship between genetic information and protein properties, with applications in personalized medicine, biotechnology, and ethical decision-making. This lab prepares students for research-intensive and clinical environments, fostering skills and mindset essential for graduate study and professional practice. Students will evaluate their results in relation to other groups and present findings both orally in a poster presentation and in a written report at the end of the semester.
Pre/Corequisites: SCI 367 or SCI 382
Session Cycle: Every Spring Semester.

SCI L371. Human Impact on the Global Environment Lab. 1 Credit Hour.
This advanced laboratory course investigates a number of environmental topics pertaining to land and life. Interactive activities and experiments convey basic concepts of data collection, experimental design, analytical instrumentation, data analysis and interpretation, and risk assessment. These laboratory exercises also provide the necessary laboratory skills and techniques to conduct scientific research.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L373. Artificial Intelligence and Robotics Laboratory. 1 Credit Hour.
SCI L373 is the laboratory portion of artificial intelligence and robotics. This lab must be taken concurrently with the lecture portion.
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI L374. Organic Chemistry II Laboratory. 1 Credit Hour.
This laboratory course is the second in a two-semester organic chemistry progression. This course will use a self-directed curriculum to teach and reinforce topics and concepts in organic chemistry and build critical thinking skills. This course will employ microwave assisted organic synthesis, collaborative experimental design, analysis and debriefing of results. This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement.
Prerequisites: SCI L365
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L377. Microbiology Laboratory. 1 Credit Hour.
This laboratory course accompanies the Microbiology lecture course, which examines life at the microscopic level and is designed to provide an understanding of microbiology and its connectedness to the environment, medicine, agriculture, and industry. Topics will include exploration of the world of bacteria, viruses, protista, and fungi, preservation and safety; the role of microbes in biotechnology, industry, and agriculture, antibiotic resistance, viral and bacterial diseases of humans, and the use of microbes or microbial products in bioterrorism.
Pre/Corequisites: this course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L379. Emergency Medical Technician I Skills Lab. 1 Credit Hour.
This lab is part one of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include CPR training, the use of protective equipment, medical documentation, medical and trauma assessment, lifting and moving, airway techniques, medication administration, management of bleeding, and splinting.
Prerequisites: SCI 251 Corequisite: SCI 379
Session Cycle: Alternative Fall Semesters.

SCI L380. Anatomy and Physiology Lab II. 1 Credit Hour.
This laboratory component of Anatomy and Physiology II course will serve as a continuance of Anatomy and Physiology I Lab, which will enable students to study in more depth the various human body systems. The laboratory exercises will include studies of 3-dimensional models and prepared slides, dissections of isolated organ systems, and observation of a virtual cadaver dissection, which will enable students to examine detailed structural features of key organs and systems, and better appreciate how the various body systems integrate.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement. Sophomore standing required
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L381. Kinesiology Lab. 1 Credit Hour.
This laboratory course is intended to complement the Human Kinesiology lecture course. Goniometric measurements of the major extremity joints and the spine will be performed. Functional analysis of muscle stretching, as well as activation of muscles during concentric and eccentric challenges will be completed. Students will explore the biomechanical forces on the joints during common exercises and explore how changing body position alters the level of resistance that is encountered. An analysis of the mechanics of human gait will also be performed.
Prerequisites: SCI 360 Anatomy and Physiology I (with lab) & SCI 387 Functional Musculoskeletal Anatomy
Corequisites: SCI 381 Human Kinesiology
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L382. Cell Biology and Molecular Genetics Lab. 1 Credit Hour.
This inquiry-based laboratory course explores the molecular foundations of protein structure, function, and evolution through hands-on experimentation and hypothesis-driven research. Cross-listed to support Biochemistry and Cell Biology and Molecular Genetics lectures, it introduces students to advanced molecular biology techniques, such as recombinant DNA technology, site-directed mutagenesis, protein purification, and molecular graphics software for structural analysis. Students will engineer and characterize novel proteins (meaning results are not predetermined), gaining experience in experimental design, data interpretation, and scientific communication. Emphasis is placed on understanding the relationship between genetic information and protein properties, with applications in personalized medicine, biotechnology, and ethical decision-making. This lab prepares students for research-intensive and clinical environments, fostering skills and mindset essential for graduate study and professional practice. Students will evaluate their results in relation to other groups and present findings both orally in a poster presentation and in a written report at the end of the semester.
Pre/Corequisites: SCI 367 or SCI 382
Session Cycle: Every Spring Semester.

SCI L384. Emergency Medical Technician II Skills Lab. 1 Credit Hour.
This lab is part two of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include medication administration, management of trauma injuries and medical emergencies, lifting and moving, childbirth and pediatrics, management of mass casualty incidents, and well as other special scenarios.
Prerequisites: SCI 379, SCI L379 Corequisites: SCI 384
Session Cycle: Alternate Spring Semesters.

SCI L401. Fundamentals of Strength and Conditioning Laboratory. 1 Credit Hour.
This laboratory course complements the Fundamentals of Strength and Conditioning lecture course. Students will engage in hands-on experiences with exercise equipment while designing and implementing aerobic and anaerobic exercise programs, including cardiovascular training, resistance training using free weights and machines, as well as functional exercise for strength, agility, balance and coordination. Warm up programs and stretching will also be covered. NOTE: This course is designed for students outside the Exercise and Movement Science major, and students may not receive credit for SCI L401 Fundamentals of Strength and Conditioning Lab if they have or will receive credit for SCI L476: Principles of Strength and Conditioning I Lab and/or SCI L477: Principles of Strength and Conditioning II Lab.
Pre/Corequisites: SCI 401
Prerequisites: SCI 251, and (SCI 353 or SCI 381).

SCI L476. Principles of Strength and Conditioning I Lab. 1 Credit Hour.
This laboratory course is intended to complement the Principles of Strength and Conditioning I lecture course. Laboratory sessions will provide the opportunity for students to practice designing stretching, resistance training, and aerobic exercise programs, while implementing the principle of periodization. Students will learn to apply progressions and regressions at the appropriate times, and to optimize athletic performance through manipulation of the program design.
Prerequisites: SCI 251 Biology I (with lab), SCI 360 Anatomy & Physiology I (with lab), SCI 380 Anatomy & Physiology II (with lab),SCI 352 Exercise Physiology, SCI 387 Functional Musculoskeletal Anatomy & SCI 381 Human Kinesiology (with lab)
Corequisites: SCI 476: Principles of Strength and Conditioning I
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L477. Principles of Strength and Conditioning II Lab. 1 Credit Hour.
This laboratory course is intended to complement the Principles of Strength and Conditioning II lecture course. Laboratory sessions will provide the opportunity for students to practice designing anaerobic, as well as functional strengthening and conditioning programs, with integration of balance, core stabilization, coordination, agility, and plyometric activities. There will also be an opportunity to experience blood flow restriction training and other nontraditional techniques. Students will learn to apply progressions and regressions at the appropriate times, and to optimize athletic performance through manipulation of the program design.
Prerequisites: SCI 251, SCI L251,SCI 352, SCI 360, SCI L360, SCI 380, SCI L380, SCI 387, SCI 381, SCI L381, SCI 476 & SCI L476
Corequisites: SCI 477: Principles of Strength and Conditioning II
Session Cycle: Fall
Yearly Cycle: Annual.

SCI R265. Introductory Chemistry I Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 265: Introductory Chemistry I lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 265: Introductory Chemistry I
Session Cycle: Every Fall.

SCI R267. Introductory Chemistry II Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 267: Introductory Chemistry II lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 267: Introductory Chemistry II
Session Cycle: Every Spring.

SCI R365. Organic Chemistry I Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 365: Organic Chemistry I lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 365: Organic Chemistry I
Session Cycle: Every Fall.

SCI R374. Organic Chemistry II Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 374: Organic Chemistry II lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 374: Organic Chemistry II
Session Cycle: Every Spring.

Department of Biological and Biomedical Sciences

Biological and Biomedical Sciences Department

The Biological and Biomedical Sciences Department is committed to academic excellence in science education. Our science programs with dedicated faculty and quality facilities will prepare students for careers in science-related fields and graduate studies. The department emphasizes basic and applied research, technological applications, and international experiences because the objective of challenging educational programs should not be merely accumulating knowledge, but also developing commitment and taking action. A hands-on approach provides students with a meaningful and purposeful education, giving them a competitive edge for career and graduate school opportunities.

Biology Major

Biology, the study of life, is the most all-encompassing of the sciences. Understanding basic life processes requires working in many areas in an integrated way. Students who major in Biology engage in a curriculum that explores the breadth of the biological sciences. They develop hands-on laboratory skills and have the opportunity to participate in laboratory and field research projects, under the direction of a faculty mentor.

The biology program provides a solid foundation in basic scientific knowledge. Every student will take a common set of core classes providing this initial set of core competencies that will be built upon and reinforced as you progress through intermediate level courses. Once the core is complete, students can enter into one of the three advisory tracks to complete the remaining credits required for the major that are designed to assist in course selection based on individual career goals and needs.

Tracks within the Major:

1. General Biology

The General Biology track offers a broad foundation in the biological sciences, ideal for students seeking flexibility in their career paths. While many graduates pursue advanced degrees in healthcare, others go on to graduate studies or careers in research, education, or biotechnology. This track provides a strong scientific core with the freedom to explore diverse areas of biology.

2. Pre-Med/Pre-Health

Designed specifically for students preparing for medical, dental, veterinary, physician assistant, or other professional health programs, the Pre-Health track includes all prerequisite coursework required by most healthcare schools. This rigorous curriculum ensures students are well-prepared for entrance exams and competitive application processes.

3. Environmental Biology

The Environmental Biology track focuses on the intersection of biology and environmental science. Students take specialized courses such as Introduction to Environmental Sustainability and Climate Change, and can tailor their degree with electives from an approved list of environmental biology courses. This track is ideal for those passionate about conservation, ecology, and environmental policy.

Our interdisciplinary approach to teaching encourages students to make connections across scientific, social, and economic domains. In particular, we emphasize the growing intersection between health and business—an essential consideration in today's healthcare landscape. This perspective equips students to understand and navigate the broader context in which scientific and medical decisions are made.

With our multiple track program, Biology majors are prepared for a wide array of opportunities including careers in the health sciences, biomedical research, physical therapy, biotechnology, pharmaceutical science, environmental biology, food science, and industrial research.

The Pre-Medical and Pre-Health Professional Advisor provides guidance and resource materials for all students interested in medical school, physician assistant programs, dental school, nursing, veterinary or other biomedical professional programs. Those students will follow the pre-health advisory track and will get assistance with the application process from the pre-health advisor.

Biology majors engage in a challenging and rewarding program that is tailored to fit individual student needs by customizing upper-level course selection. Biology majors at Bryant gain a strong foundation in the science of biology and develop the abilities required to engage in thoughtful consideration of complex biological issues from multiple perspectives.

Students in the Biology major will:

• Demonstrate understanding of the processes of science, the scientific method, and the relationship between scientific research and established knowledge.

• Express biological scientific literacy in oral and written communication.

• Demonstrate content knowledge in biology.

• Demonstrate fundamental lab skills.

• Evaluate biological data, draw reasonable conclusions, recognize the ethical implications of these conclusions, and apply these conclusions to personal, community, and scientific problems.

Exercise and Movement Science Major

Students who earn a B.S. in Exercise and Movement Science will be prepared to sit for the national Certified Strength and Conditioning Specialist exam. Graduates will be prepared to work in a wide array of fitness and athletic settings and will develop a framework to understand and analyze human movement, incorporating an appreciation of the overlapping influences from anatomical, physiological, psychological, and neurological factors. All students will complete an internship to gain experience in a setting that aligns with their future career goals. Two tracks of study are available. The Applied Exercise and Coaching track is designed for students who wish to enter the workforce after graduation, while the Healthcare Provider Prep track is designed for students who wish to build upon their knowledge by pursuing a graduate degree in a healthcare or medical field.

Description of the Tracks within the Major:

1.) Applied Exercise and Coaching Track:

This track will allow students to broaden their perspective on health and fitness, enhancing their ability to lead individuals and groups in fitness/performance related activities as a coach or exercise specialist. Students can choose any minor from the college of business for this track.

2.) Healthcare Provider Prep:

This track will prepare students for graduate level studies in a variety of different healthcare programs including physical therapy. Students can choose any minor from the college of business for this track.

Biology Concentration

The Biology concentration consists of six lecture courses and two labs, that provide an integrative exploration of living organisms and life processes, from ecosystems to cellular mechanisms. Designed to build scientific literacy, critical thinking, and problem-solving skills, this concentration prepares students for today's data-driven and interdisciplinary world. It enhances communication and analytical abilities that are highly valued across industries and complements a wide range of majors. Ideal for students interested in the intersection of science with business, communication, or policy, the Biology concentration adds a valuable scientific perspective to any academic path.

Environmental Science Concentration

Environmental Science is a broad field of study that provides the scientific underpinning to many issues facing society today, including access to and sustainability of resources, preservation of land and wildlife, new and sustainable technologies and global climate change. The Environmental Science concentration allows students to integrate courses in their particular interest areas in environmental science with courses in their major. In the Level I course for the concentration; students learn the core principles of the discipline. In the elective courses in Level II and Level III, they choose from a diverse collection of in-depth courses according to their unique interests in environmental science and future career goals.

Health and Wellness Concentration

The health and wellness industries continue to grow in response to some prominent challenges such as the rising incidence of many chronic diseases, soaring healthcare costs, and the mental health crisis. In this concentration of study, students will develop information literacy skills by locating and analyzing scholarly literature related to health and wellness. Students will develop critical thinking and problem-solving skills as they work collaboratively to consider solutions to some of the biggest problems in today's health arena. Depending which courses are chosen from the approved list for this minor, students may also have the opportunity to: 1) utilize equipment in the analytical science lab and the EMS lab, 2) explore global impacts of health issues, 3) understand preventative health promotion strategies in the area of nutrition, 4) utilize strength and conditioning to promote health and wellness, and/or 5) analyze and understand healthcare from a business/industry standpoint. This concentration of study provides students with a broad-based understanding of the contemporary issues surrounding health and wellness from a healthcare and industry standpoint and aims to provide a

practical skill set to support any career involving the industries of health and wellness.

Strength and Conditioning Concentration

Students who complement their studies with a Strength and Conditioning Concentration will develop knowledge and hands-on skills related to human structure, physical and physiologic function, as well as training techniques to enhance human fitness and performance. Students also have the option to customize their path of study to include additional learning about health and human disease, nutrition, sports psychology, and/or management principles in fitness and athletics. This practical skill set in the field of exercise can be useful to meet personal and/or career-related goals.

Sustainability and Climate Action Concentration

The Sustainability and Climate Action concentration empowers students to examine critical sustainability issues across business, healthcare, and environmental sectors. This program provides a robust framework for understanding how climate action intersects with organizational practices and consumer expectations, including emissions disclosures, greenhouse gas accounting, waste circularity, ESG, greenwashing, and nature-based solutions.

Students will delve into the strategic environmental frameworks that are increasingly essential in today's marketplace, where businesses are held accountable for their sustainability efforts. This concentration not only enhances students' technical expertise in their primary fields—such as marketing, finance, or healthcare—but also equips them with the skills to integrate sustainability into business operations effectively.

Through hands-on projects and real-world applications, students will practice applying their knowledge to enhance business practices, leading to improved outcomes for consumers, increased profitability, and a positive impact on the environment. By fostering innovative solutions and responsible decision-making, this concentration prepares students to become leaders who drive meaningful change in their organizations and communities.

Ultimately, the concentration in Sustainability and Climate Action inspires students to align their career aspirations with a commitment to sustainability, contributing to a future that balances economic success with environmental stewardship.

Biology Minor

The Biology minor consists of four courses that introduce students to the fundamentals of life sciences. Students explore topics such as anatomy, physiology, genetics, ecology, and molecular biology, gaining a foundational understanding of the living world and the scientific process. This minor enriches students' academic experience by fostering scientific literacy and a deeper appreciation for the complexity of life. The minor complements many majors at Bryant—especially in business and the arts—by broadening students' perspectives and strengthening their interdisciplinary skill set.

Biotechnology Minor

Biotechnology is the commercial application of living organisms that involves the deliberate manipulation of DNA. Biotechnology broadly impacts markets in human health, agriculture, and the forensic sciences. In the required courses for the minor, students will learn basic chemistry, biology, and the technology of manipulating DNA through hands-on lab experiences. In the elective courses they will be exposed to applications of biotechnology and health research, and development of products and services in diverse markets, and begin to appreciate the profound legal, social, economic, and ethical implications of this technology for our society.

Chemistry Minor

The field of Chemistry is based on understanding the composition and basic properties of matter, the conversions of one form of matter to another form and leads to a greater comprehension of the chemical physics of matter. Knowledge of these fundamentals will allow students to understand such diverse topics as chemical biology, the synthesis of new forms of matter from pharmaceuticals to new materials, the chemical phenomena of the human and the chemical interactions that makes up the biosphere.

Environmental Science Minor

Students who complement their studies with an Environmental Science minor are prepared for positions in the wide-open area of environmentally related fields. For instance, environmental science broadly impacts fields such as toxicology, sustainable development, resource and wildlife management, land use and reclamation, green manufacturing, analytical analysis, and others, where effective communication between scientists and business professionals is essential. The minor is also a good foundation for employment with manufacturers who must comply with changing environmental regulations. In the required courses, students will be exposed to important environmental issues that face today's society by participating in hands-on exercises and experimentation.

Forensic Science Minor

This minor is intended for students interested in exploring professional careers involving police and medical investigation of crime scenes and criminal acts, laboratory assessment of materials associated with such investigations, and preparation for advanced study in areas such as trauma assessment, forensic photography, ballistics, medical entomology, DNA analysis, pharmaceutical science, or medical studies. Students will examine the specialized roles of each member of the forensic team, such as law enforcement, medical, and scientific experts.

Health and Wellness Minor

There are many barriers to the maintenance of health and wellness in today's society. Challenges include the rising incidence of many chronic diseases, soaring healthcare costs, and the mental health crisis. In this minor of study, students will gain exposure to information literacy techniques through locating and analyzing scholarly literature related to health and wellness. Students will develop critical thinking and problem-solving skills as they work collaboratively to consider solutions to some of the biggest problems in today's health arena. Depending which courses are chosen from the approved list for this minor, students may also have the opportunity to: 1) utilize equipment in the analytical science lab and the EMS lab, 2) explore global impacts of health issues, 3) understand how to utilize preventative health promotion strategies such as exercise and nutrition, and/or 4) analyze and understand healthcare from a business/industry standpoint.

Nutrition Minor

Students who complete the minor in nutrition will study the connection between nutrition, health, human performance, and disease. An evidence-based approach will be taken to covering topics such nutrient requirements, weight control, nutritional supplements, popular diets, as well as causes and treatments of eating disorders. Emphasis will be placed on critically analyzing nutritional claims in the marketplace. Through participation in the required laboratory course, students will develop practical skills to assess nutritional status, and to create a nutritional intervention plan to optimize health and human performance.

Strength and Conditioning Minor

Students who enroll in the Strength and Conditioning minor will develop practical knowledge and hands-on skills related to exercise, which can be useful to meet personal and/or career-related goals. Students will have exposure to content such as the structure and movement of the human body, the body's physiologic response to physical activity, measures of human fitness, as well as training techniques to enhance human fitness and performance.

Sustainability and Climate Action Minor

The Sustainability and Climate Action minor offers students a foundational understanding of sustainability issues as they relate to business, healthcare, and the environment. This program emphasizes the importance of integrating sustainability into various organizational practices, preparing students to meet the growing demand for environmentally responsible decision-making.

Students will explore key concepts in sustainability and climate action, such as emissions disclosures, greenhouse gas accounting, waste circularity, and nature-based solutions, while gaining practical skills to enhance business operations in ways that benefit consumers, increase profitability, and support environmental stewardship. Through hands-on projects and case studies, the minor equips students to contribute to sustainable practices within their primary fields of study.

This minor inspires students to align their career goals with a commitment to sustainability, fostering responsible leadership for a better future.

Faculty

Department Chair, Clinical Associate Director
Jennifer Hurrell

Professor
Brian Blais

Professor
Kirsten Hokeness

Professor
Qin Leng

Professor
Christopher Reid

Professor
Hong Yang

Associate Professor
Jason Sawyer

Assistant Professor
Anna Weaver

Assistant Professor
Steven Weicksel

Lecturer
Benjamin Fry

Lecturer
Stephanie Mott

Lecturer
Robert Patalano

Lecturer
Adam Wishart

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Health Science Courses

HS 390. Research Methods in Health Sciences. 3 Credit Hours.
HS 390 is the core required course in research methodology for Health Sciences majors, focusing on the design, implementation, data analyses, and interdisciplinary of health science research. Health Science majors are expected to be well-versed in the conduct and interpretation of various research methodologies in preparation for further study at the graduate level, the workplace, and in life. This course will focus on the major subjects of research design, implementation, and data analysis and interpretation.
Prerequisites: PSY 260 or PSY 263, and MATH 201, and SCI 251 or SCI 265
Session Cycle: Spring
Yearly Cycle: Annual.

HS 391. Health Sciences Internship. 3 Credit Hours.
Students engage in individually supervised work-study arrangements and learn to apply theories and principles of health sciences in a work environment. Students must work at least ten hours per week on the internship (120 hours minimum), meet periodically with a supervising faculty member, research literature related to the field of the internship, and prepare a substantive report on their internship experience and the studies involved. This course is limited to juniors and seniors and requires the approval of a supervising faculty member and the program coordinator.

HS 401. Diseases and Disorders of the Nervous System. 3 Credit Hours.
This course will explore a broad range of major diseases and disorders affecting the nervous system. In this seminar style course, each disease will be discussing at the clinical, physiological, and molecular levels where appropriate. We will critically analyze environmental and genetic predispositions that lead to certain diseases and assess current as well as and potential future treatment strategies. Diseases to be discussed will include diseases of excitability, such as epilepsy, autoimmune disease, such as multiple sclerosis or myestheia gravis, infections such as meningitis, and neurodegenerative diseases (Alzheimer, Parkinson and Huntington's disease) among others.
Prerequisites: Junior Standing.

Science and Technology Courses

SCI 251. Biology I Principles of Biology. 3 Credit Hours.
This course serves as an introduction to the fundamental principles of biology. Emphasis will be placed on topics including scientific/biological methodology, biological classification and nomenclature, cell structure and function, cellular biochemistry, principles of energy and metabolism, genetics, aspects of ecology, and the core theory of modern biology - evolution. Students will gain a deeper understanding of life processes at the cellular and molecular level. This course may be taken with a laboratory to fulfill the laboratory requirement for graduation.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 252. Medical Terminology. 1 Credit Hour.
This one-credit course introduces medical terminology for students entering health professions as well as other fields such as law, insurance, technology development, billing, and sales. Lectures are asynchronous online; testing and orientation are in person. It starts with an introduction to word parts building medical terms, instruction in organization of the body, directional terms, and abbreviations. A general overview of functions, pathology, and medical management will be provided for the major organ systems in the body.
Session Cycle: Fall.

SCI 253. Biology II Organismal Biology. 3 Credit Hours.
This course is intended as a higher level biology course focusing on organismal biology, the study of structure, function, ecology and evolution at the level of the organism. It will use evolutionary theory as an organizing theme to explore biodiversity, physiology of various organism groups (plants, animals, etc.), and ecology, with human physiology especially highlighted. This course will be essential for students intending to pursue advanced graduate or professional training in biological and biomedical fields.
Prerequisites: SCI 251
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 262. Physical Geology. 3 Credit Hours.
This course explores the cyclicality of geologic processes that shape the earth. Volcanic activity and earthquakes contribute to the building of mountains. Rivers and oceans help to destroy mountains. This simplistic idea is expanded to give the student a very good idea of "how the earth works." This course may be taken with a laboratory to fulfill the laboratory requirement.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 263. Astronomy. 3 Credit Hours.
This general introductory course explores the fundamentals of astronomy. All branches of modern astronomy are covered. Major topics include the historical development of astronomy, the solar system, and the universe beyond. This course may be taken with a laboratory to fulfill the laboratory requirement.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 264. Physics I Introductory Physics. 3 Credit Hours.
This course deals with some areas of physics, such as mechanics, heat, waves, sound, light, electricity, and modern atomic physics, primarily from a conceptual point of view. This course will be especially useful to students who plan to enter an industry in which an understanding of the physical laws of nature is desirable. This course may be taken with a laboratory to fulfill the laboratory requirement.
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 265. Introductory Chemistry I. 3 Credit Hours.
This course will provide a general knowledge of chemistry as foundational background for careers in the environmental and biological sciences, chemical, agricultural and pharmaceutical industries, energy and materials management, and community service sectors. This course provides an introductory study of the fundamental concepts of chemistry: atomic and electronic structure, chemical bonding, simple reactions in organic and organic chemistry, and chemical equilibria. This course may be taken with a laboratory to fulfill the laboratory requirement.
Corequisites: SCI R265: Introductory Chemistry I Recitation
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 267. Introductory Chemistry II. 3 Credit Hours.
This course completes a two-semester introductory chemistry sequence and will enhance a student's preparation for further study in the environmental and life sciences at Bryant. Recommended for students who are majors in Biology or Environmental Science and who plan to enter an industry or field of study where a general knowledge of chemistry is essential such as the health professions (medical, pharmaceutical, dental) and graduate school in the biological sciences. This course will characterize and explain chemical systems at equilibrium, as well as exploring spontaneous processes, rates of chemical reactions, electrochemistry, thermodynamics, and acid/base chemistry.
Prerequisites: SCI 265 Introductory Chemistry I
Corequisites: SCI R267: Introductory Chemistry II Recitation
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 268. Introduction to Environmental Sustainability. 3 Credit Hours.
This course provides students with a broad overview of the scientific principles, concepts, and methodologies required to understand the interrelationships implicit in environmental studies, including the concept of sustainability, and to identify and analyze environmental problems both natural and human-made. Integrated laboratory and/or field exercises will demonstrate the principles, processes, techniques, and technologies of environmental problems and solutions.
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 269. Climate Change. 3 Credit Hours.
This lecture course will both satisfy the science requirement in Bryant's General Education (Gen Ed) Curriculum and serve as an introduction to the most pressing issue and the most challenging crisis that humans now face—climate change. It will provide students with the fundamental scientific knowledge to help them understand the causes of climate change, the factual information on the immediate and lasting impacts on land and life, and the possibilities and innovations to mitigate and remediate climate-related disasters.
Session Cycle: Fall and Spring.

SCI 274. Physics II Biological Physics. 3 Credit Hours.
This course explores concepts in physics specifically related to the biological and health sciences, including properties of fluids and solids, thermodynamics, optics, electrostatics and DC circuits, and radiation and health. Examples will be drawn primarily from the biological world with a special emphasis on human and animal health. This course is required for students pursuing a pre-med track within the Biology major.
Prerequisites: SCI 264
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 275. Introduction to Healthcare: Clinical and Business Perspectives. 3 Credit Hours.
This course provides a broad-based introduction to the delivery of healthcare, as well as the growing and ever-changing healthcare industry. Students will become familiar with a variety of health professions and the importance of an interdisciplinary healthcare team. Topics such as documentation, DEI in healthcare, as well as social determinants of care will be discussed. The healthcare sector will be examined from a business standpoint, with an emphasis on insurance carriers, reimbursement, marketing, regulatory affairs, as well as other political and economic factors. The topic of biomedical ethics will be a theme that carries through the entire course.

SCI 351. Ecology. 3 Credit Hours.
This course provides a review of ecological principles and selected research studies underlying these concepts, identifies techniques used by ecologists, and presents an overview of local and global environmental issues, including strategies for sustainability. In addition, the course emphasizes critical analysis of environmental problems and examines individual, group and societal roles important to improving environmental quality. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 251, SCI 262, SCI 266, or SCI 268, or permission of the instructor
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 352. Exercise Physiology. 3 Credit Hours.
This course examines exercise from a scientific standpoint by analyzing the acute responses and chronic adaptations of the human body during aerobic and anaerobic exercise challenges, related to endurance and strength training. Emphasis is placed on bioenergetics as well as the mechanism for exercise related responses and adaptations in the musculoskeletal, pulmonary, cardiovascular, and endocrine systems. Students are encouraged to register for the optional SCI L352 Exercise Physiology Lab course during the same semester as the lecture course.
Prerequisites: SCI 251- Biology I Principles of Biology
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 353. Human Muscles and Movement. 3 Credit Hours.
This course leads students through an examination of the skeletal system, the joints, and the major muscles within the human body. Muscle actions will be determined through an analysis of their attachment points, line of pull, and orientation to the joint(s) they cross. Students will learn what joint positions place muscles on stretch, and what joint motions occur during various muscle contractions. Functional activities and common exercises will be analyzed to identify what muscles are contracting and what other forces may be influencing movement.
NOTE: This course is designed for students outside the Exercise and Movement Science major, and students may not receive credit for SCI 353: Human Muscles and Motion if they have or will receive credit for SCI 387: Functional Musculoskeletal Anatomy and/or SCI 381: Kinesiology.
Prerequisites: SCI 251.

SCI 354. Fundamentals of Nutrition. 3 Credit Hours.
Nutrition concerns the study of processes by which organisms ingest, digest, absorb, utilize food and excrete wastes. Students will learn human diet and nutritional needs and develop the ability to think critically about nutrition claims and counterclaims in the marketplace. Recent advances in nutrition research, such as those relating to weight loss, performance enhancement, and mood control, will also be covered.
Prerequisites: SCI 251
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 355. Energy Strategies for a Sustainable World. 3 Credit Hours.
In this course students review the principles of energy transformation, explore alternative energy resources and their feasibility, and assess current and future energy policy formation. In addition, students examine the economic and ecological impacts of various policy options and provide assistance in structuring institutional management plans for efficient energy use. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: 200-level science course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 356. Introduction to Biotechnology. 3 Credit Hours.
Biotechnology is the commercial application of living organisms involving the deliberate manipulation of their DNA. As such, biotechnology broadly impacts commercial markets in human and animal health care, agriculture and horticulture, and the forensic sciences. Students will learn, through lectures and "hands on" laboratory experiences, about the biotechnology products and "new life forms" which have been or are about to be commercialized. This course involves significant "hands on" experiences and focuses on the development process of bioengineered products from Idea inception to market entry. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 251 or SCI 265
Session Cycle: Varies.

SCI 359. Artificial Intelligence (AI) in Healthcare. 3 Credit Hours.
This course introduces artificial intelligence (AI) from the perspective of its application to healthcare. The course focuses on applied techniques in AI, drawing from a collection of case-studies chosen to be both approachable and current. A working proficiency in Python is helpful, but the course will review and workshop the necessary programming skills for those with little or no programming background. The course will also include support programming libraries to make the technical aspects more approachable. By exploring case-studies, and applied techniques to real data sets, students will gain both the practical skills of implementing the methods of AI in healthcare and the necessary understanding of how the methods work. In this way, students will be able to approach new methods of AI as they are developed in this fast-paced field with the confidence that they can understand both the strengths and weaknesses of AI.
Session Cycle: Every Spring.

SCI 360. Anatomy and Physiology I. 3 Credit Hours.
The essential principles of human anatomy and physiology are explored in this course, using a systems approach. The first portion of the course will review fundamental biological and chemical principles central to life at a cellular level, and explore the structure and function of tissues. The second portion of the course will involve a detailed analysis of the structure and function of the integumentary, skeletal, muscular, nervous and endocrine systems, as well as an examination of the senses. The coordination of these organ systems and their role in the maintenance of homeostasis in the human body will also be explored. The course can be taken with a laboratory to fulfill the laboratory requirement, or to prepare for application to medical or professional programs in the health sciences.
Prerequisites: SCI 251 and SCI L251 and SCI 253 or instructor permission

Session Cycle: Fall
Yearly Cycle: Annual.

SCI 363. Genetics. 3 Credit Hours.
This course will introduce students to the fundamental concepts of genetics. The first half of the course will detail classical inheritance patterns, chromosomal rearrangement, mutations and DNA repair. The second half of the course will deal with modern discoveries and applications in today's world with respect to uses in biotechnology, genomics as well as the role of genetics in the development of disease states such as cancer. Experimental data will be incorporated into each segment of the course to enhance understanding of the scientific method and reinforce lecture topics. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 251, sophomore standing or permission of instructor
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 365. Organic Chemistry I. 3 Credit Hours.
This course will provide an introduction to the chemistry of organic compounds and the importance of organic chemistry in our everyday life. Organic chemistry is involved in many industrial production processes such as plastics and pharmaceuticals, as well as being essential to the reactions and processes that occur in living organisms. This course will cover the structure and chemistry of the major classes of organic compounds and is recommended for students who plan careers in environmental toxicology, the chemical and pharmaceutical industries, waste management, biological sciences and geochemistry. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 267: Introductory Chemistry II
Corequisites: SCI R365: Organic Chemistry I Recitation
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 366. Coastal Environments. 3 Credit Hours.
This course will teach the student how different types of coastlines are molded from waves, tides and sediment supply. It will also show the different tools, methodologies, and applications that are available to the coastal geomorphology assessment and surveying service industries. Group projects involve the preparation of technical/cost proposals to solve coastal geo-technical problems and design of coastal management plans.
Prerequisites: SCI 251 or SCI 262 or SCI 266 or SCI 287 or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 367. Biochemistry. 3 Credit Hours.
This course involves the study of chemical processes that are continually occurring within a living organism. The structures and functions of critical chemical components of all cells will be covered as well. In addition, critical processes such as metabolism, generation of energy and the biosynthesis of major biomolecules (proteins, DNA, lipids, carbohydrates) and photosynthesis will be analyzed in-depth. The final portion of the course will examine biochemical basis of disease, and how biological systems deal with toxins. Enrollment in the companion laboratory course is recommended, as it provides valuable practical experience that supports and enriches the conceptual framework established in lecture.
Prerequisites: SCI 251 and SCI 365; or permission of the instructor
Session Cycle: Every Spring Semester.

SCI 368. Elements of Forensic Science. 3 Credit Hours.
This course will provide an overview of forensic science, including strategies for identifying and solving complex problems, exposure to the analytical tools used by forensic scientists, and the professional standards and ethical considerations guiding practitioners. Special topics will include the scope and history of forensic science, the use of scientific methodology, the concepts of evidence and proof, and the methodologies used for establishing unique connections based on physical, chemical and biological evidence. Students will also become acquainted with the role of histology, serology and DNA typing in forensic analyses, the importance of accurately reconstructing dynamic processes; the recognition, collection and preservation of evidence; the use of statistical techniques, and the demands for quality assurance. An introduction to the technologies used by forensic scientists will be included, along with an examination of the scope of professional careers in forensic science, especially the collage of specialties that comprise collaborative forensic teams.
Prerequisites: SCI 251 or SCI 265 or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 371. Human Impact on the Global Environment. 3 Credit Hours.
Having doubled in the last 40 years, the human population is requiring an increasing amount of natural resources while generating a substantial amount of waste and pollution that the environment can no longer absorb. It has been reported that human activities, such as land development and agriculture, have modified over 50% of the Earth's land surface. We are also causing an extinction rate 1,000 – 10,000 times greater than the background extinction rate. This course covers environmental issues on land use, wildlife protection, and human health. Topics include toxicology, agriculture, forestry, urbanization, biodiversity decline, and sustainable solutions. Tools and techniques for problem solving and analysis will be emphasized. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: 200-level science course
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 373. Artificial Intelligence and Robotics. 3 Credit Hours.
Can machines think? What does this really mean? This course provides an introduction to the topic of artificial intelligence and robotics. The lab part of the course provides hands-on experience in the making of thinking machines. The lecture part of the course will focus on the theory of artificial intelligence and robotics, but will also include some hands-on projects and competitions. The course (both the lab and lecture) will serve as an introduction to programming in Python, and the use of the robotic hardware. The course will present methods for solving difficult decision-making problems. The lecture and lab (SCI L373) must be taken concurrently. Some programming experience is helpful but is not required.
Prerequisites: 200 level science course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 374. Organic Chemistry II. 3 Credit Hours.
This course is the second semester offering of the full year of organic chemistry. This course will expand your basic knowledge of organic chemistry by developing a deeper understanding of the reactivity of functional groups such as aromatic rings, dienes, alcohols, amines, aldehydes, ketones, carboxylic acids and their derivatives. In addition, it will further your understanding of "electron pushing", so that you are able to propose reasonable reaction mechanisms. Students will be able to use the fundamentals of functional group reactivity to develop multi-step syntheses of organic molecules. Finally, students will be able to use NMR spectroscopy, along with IR spectroscopy and mass spectrometry, to deduce unknown organic structures.
Prerequisites: SCI 365
Corequisites: SCI R374: Organic Chemistry II Recitation
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 376. GIS for Health, Business, and the Environment. 3 Credit Hours.
This course will demonstrate how Geographic Information Systems (GIS) can be used to help build efficiency and solve real-world problems in the health, environmental, and business industries. This course will focus on contemporary GIS data management, the structure of GIS applications, the types of mapping data that can be processed, and the types of customized products that can be developed. Case studies will be used to develop career-related skills such as utilizing GIS data to improve decision making, generating data visualization, and presenting findings to stakeholders. Through project-based learning, students will have the opportunity to utilize GIS tools within their individual fields of interest.
Prerequisites: 200-level science course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 377. Microbiology. 3 Credit Hours.
This course examines life at the microscopic level and is designed to provide an understanding of microbiology and its connectedness to the environment, medicine, agriculture, and industry. Topics will include exploration of the world of bacteria, viruses, protista, and fungi, use of microbes in genetic engineering, food preservation and safety, the role of microbes in biotechnology, industry, and agriculture, antibiotic resistance, viral and bacterial diseases of humans, and the use of microbes or microbial products in bioterrorism. Demonstration exercises will be integrated throughout the course to reinforce lecture topics. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 265 with lab or SCI 251 with lab or permission of instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 379. Emergency Medical Technician I. 3 Credit Hours.
This course is part one of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include an overview of the EMS system and work force, medical legal issues, documentation, patient assessment, pharmacology, lifting and moving, airway management and respiratory emergencies, trauma, management of bleeding and shock, as well as management of acute disorders of the genitourinary, cardiovascular, neurological, gastrointestinal and urological systems.
Prerequisites: SCI 251 Corequisite: SCI L379
Session Cycle: Alternate Fall Semesters.

SCI 380. Anatomy and Physiology II. 3 Credit Hours.
This course is the second semester of a 2-course sequence that covers the study of the structure and function of the human body. Topics include a further exploration of essential principles in human anatomy and physiology, and are built upon the knowledge acquired in Anatomy and Physiology I. The course will proved a detailed analysis of the structure and function of the cardiovascular, lymphatic, digestive, respiratory, urinary and reproductive systems, as well as to examine human growth and development. The coordination of organ systems and their role in the maintenance of homeostasis in the human body will be examined. The course is matched with a laboratory component (Anatomy and Physiology Lab II), and is considered to be a requirement for pre-med and many pre-professional health programs.
Prerequisites: SCI 360, Sophomore standing, or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 381. Human Kinesiology. 3 Credit Hours.
This course will examine human movement by studying the relationship between human structure and function. Normal and abnormal movement patterns will be defined in the context of osteokinematic and arthrokinematic motions. Consideration will be given to the internal and external forces that cause or resist human movement. Emphasis will be placed on joint biomechanics during stretching, functional activity, and resistance exercise, as well as the biomechanical factors that influence human strength and power.
Prerequisites: SCI 387
Corequisites: SCI L381
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 382. Cell Biology and Molecular Genetics. 3 Credit Hours.
This course is designed for upper-level students as a continuation of General Biology. SCI 382 focuses on the fine structure of cells, intra- and intercellular communication, and the molecular organization and transfer of genetic information. Experimental design, methodology, and current biotechnological applications will also be discussed. For many of the lecture topics, primary research and review articles will be assigned for reading pertaining to the lecture. The overall goal of the course is for students to synthesize knowledge of how cells function with experimental design and experimental methodology. Upon the completion of this course students should be able to successfully convey this knowledge through scientific writing and add to their knowledge through reading and understanding of scientific literature. Enrollment in the companion laboratory course is recommended, as it provides valuable practical experience that supports and enriches the conceptual framework established in lecture.
Prerequisites: SCI 251
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 383. Human Health and Disease. 3 Credit Hours.
This course provides an in-depth examination of human health, disease processes, and evidence-based approaches to disease prevention, diagnosis, and treatment. Students will explore the pathophysiology of multiple body systems including musculoskeletal, cardiovascular, respiratory, nervous, gastrointestinal, endocrine, and integumentary systems, as well as cancer, pain mechanisms, mental health, and the impact of climate change on human health. The course emphasizes the development of skills in locating, evaluating, and applying scientific research literature related to human health and disease. Students will learn to critically assess evidence-based medical information and understand how modern biomedical advancements inform disease management, preparing them for advanced study in health sciences and biology.
Prerequisites: SCI 251 or SCI 267
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 384. Emergency Medical Technician II. 3 Credit Hours.
This course is part two of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include management of patient exposed to hazardous materials, poisons, or allergens, endocrine and hematologic disorders, behavioral health crises, vehicular extractions, managing mass casualty incidents, special rescues (i.e. water), and managing special populations such as obstetrics, neonatal, pediatrics, geriatric, and patients with other special needs.
Prerequisites: SCI 379, SCI L379 Corequisites: SCI L384
Session Cycle: Alternate Spring Semesters.

SCI 386. Sports Nutrition. 3 Credit Hours.
This course examines the role that professionals in the exercise industry play in promoting optimal nutrition to optimize human health, athletic performance, and recovery. Analysis of nutrient requirements before, during, and after exercise will be explored from an evidence-based bioenergetics standpoint. The use of nutritional supplements, popular diets, weight control, and causes and treatment of eating disorders will be explored. Consideration will also be given to how hormone action, performance enhancing substances, alcohol and tobacco influence an athlete's performance.
Prerequisites: SCI 251 Biology I (with lab)
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 387. Functional Musculoskeletal Anatomy. 3 Credit Hours.
A thorough understanding of functional musculoskeletal anatomy is necessary to become an expert in human movement and exercise. This course uses a regional approach to studying the anatomical structures that create both stability and movement in the human body, including muscles, bones, joints, and connective tissue. The function of individual muscles will be examined based on their anatomical attachment points, and surface palpation of the major bony landmarks and muscles of the trunk and extremities will be performed.
Prerequisites: SCI 360 Anatomy and Physiology I (with lab)
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 388. Field Experience I. 3 Credit Hours.
This course is the first of two field experiences in the Exercise and Movement Science program. During this field experience students spend 150 hours in an exercise science/wellness setting that meets Bryant's Exercise and Movement Science program requirements. This field experience provides students with the opportunity to gain real-world experience and to apply scientific and ethical principles learned in the classroom in an authentic environment.
Prerequisites: SCI 381, SCI L381: Kinesiology (with lab), SCI 476, SCI L476: Principles of Strength and Conditioning I (with lab)
Session Cycle: Every Fall Semester.

SCI 390. Research Methods in Science. 3 Credit Hours.
This course is intended to provide an introduction to scientific methodology and analytical science. Topics will include data analysis, statistical analysis, principles of spectrophotometry, chromatography and microscopy, field sampling techniques, technical writing, and oral presentation skills. This course will serve as the foundation for the SCI 490 research project and those students interested in analytical science.
Prerequisites: Junior standing and science major or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 391. Science Internship. 3 Credit Hours.
The science internship provides the student with the opportunity to gain on-the-job experience and to apply scientific principles and procedures learned in the classroom in a work environment. The student is required to meet regularly with a faculty advisor, keep a daily log of activities, complete a paper or specific research project, and prepare an evaluation of the experience at the end of the internship.
Prerequisites: Approval of a supervising faculty member and department chair.

SCI 392. Real World Applications for Sustainability and Climate Action. 3 Credit Hours.
This course presents a comprehensive assessment of environmental policy, emphasizing the interrelationship between science, business, and governance for mitigating climate change impacts. The course is enriched by hands-on learning experiences dedicated to the conservation of biodiversity, achieving sustainable growth policies that encompass economic realities, or the development of technological and methodological innovations in sustainability. The course includes a semester long, student-designed research project, the attendance of seminars and other campus events, and student-led discussions. By the end of the semester. Students will be familiar with corporate sustainability strategies and metrics for assessing environmental performance and decarbonization initiatives.
Prerequisites: SCI 268, or SCI 269, or permission of the instructor
Session Cycle: Every Spring.

SCI 397. Directed Study in Science. 3 Credit Hours.
This course is tailored to fit the unique interests of a student interested in science. Faculty and student will design a program for the study of complex issues in science and/or technology, including technical applications of scientific methodology and basic applied research into existing scientific problems, including regular meetings throughout the semester. The end product of this study would be a paper describing the results of the investigation, including methodology and data that have been generated, or the equivalent.
Prerequisites: approval of supervising faculty member and department chair.

SCI 401. Fundamentals of Strength and Conditioning. 3 Credit Hours.
This course provides a broad-based exposure to the theory and practice of strength training and physical conditioning. Current evidence will be presented for designing and optimizing aerobic exercise and anaerobic exercise programs, including cardiovascular training, resistance training, and functional exercise for strength, agility, balance and coordination. The impact of program design and periodization on physical performance will be explored. Injury prevention, including the use of warm up programs and stretching will also be covered. NOTE: This course is designed for students outside the Exercise and Movement Science major, and students may not receive credit for SCI 401 Fundamentals of Strength and Conditioning if they have or will receive credit for SCI 476: Principles of Strength and Conditioning I and/or SCI 477: Principles of Strength and Conditioning II.
Prerequisites: SCI 251, and (SCI 353 OR SCI 381).

SCI 402. Current Topics in Nutrition. 3 Credit Hours.
This course presents an overview of current topics in nutrition for health and disease. Students will review and critically evaluate a wide variety of topics in nutrition. Examples include emerging techniques to assess nutrient intake, advancements in food technology to improve nutrient quality and reduce environmental impact, and upcoming policy change that will impact our food environment. A major focus will be placed on nutritional interventions to prevent, reverse, or manage the most common chronic metabolic conditions including obesity, diabetes, and cardiovascular disease.
Prerequisites: SCI 354 or SCI 386
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 403. Innovations for Sustainable Futures. 3 Credit Hours.
As climate change alters ecosystems and impacts lives globally, immediate action is essential for a sustainable future. "Innovations for Sustainable Futures" takes an interdisciplinary approach to explore the climate crisis—its history, current challenges, and future projections. The course evaluates energy use, economic development, technological innovations, and lifestyle adaptations. Through readings and discussions, students will gain insights into the scientific, technical, and socio-economic factors that underpin renewable energy solutions. Engaging in debates and group projects, students will analyze climate data and develop creative, economically viable strategies for sustainable, ethical, and equitable responses. This course aims to inspire imaginative actions toward a low-carbon future.
Prerequisites: SCI 268, or SCI 269
Session Cycle: Every Fall.

SCI 455. Environmental Policy: Decision Making and Problem Solving. 3 Credit Hours.
This course will present an overview of environmental policy alternatives, emphasizing the interrelationship of science, business and government in policy formation and implementation. Global issues will be included, with special attention directed toward international efforts to achieve consensus on sustainable growth policies that encompass economic realities, technological innovation and a sensible legal and regulatory framework. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: SCI 251 or SCI 262 or SCI 265 or SCI 266 or SCI 351 or SCI 371 or SCI 372 or SCI 376 and junior standing; or permission of instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 457. Environmental Toxicology and Risk Assessment. 3 Credit Hours.
The generation of hazardous wastes and our potential exposure to them is increasing; Lead in city water, mercury in fish, "boil water" advisories, PFAS, PCB's, PAH's, BPA and more. In this course, we will examine a variety of environmental hazards through case studies, see how they end up in human systems, and understand their effect on human health. It is designed for students who are interested in various aspects of hazardous substances and wastes, including regulation, treatment, remediation, biological effects, chemical phenomena, transport, source reduction, and research. Readings and discussions will be integrated throughout the course to reinforce lecture topics.
Prerequisites: 200-level science course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 463. Issues in Environmental Science. 3 Credit Hours.
This course provides an understanding of current environmental problems and a familiarity with innovative developments to solve them. Current issues from the following subject areas will be discussed: climate change, energy, land degradation, air and water quality, population growth, resource depletion, and wildlife management. Guest speakers will describe their work and provide insight on specific environmental issues and the future of the environmental science field. Students will research proposed solutions to various current environmental problems and evaluate their potential effectiveness. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: 200-level science course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

SCI 466. Global Health Challenges. 3 Credit Hours.
This course will explore the unique global health challenges we are facing today. As the world becomes increasingly globalized, the status of health worldwide has begun to decline. This course will present some of the complexities facing the global health community from a variety of perspectives. A brief history of global health will be given, with particular attention to environmental degradation, especially the correlation between these changes and adverse effects of health and disease transmission. Social issues including literacy and cultural values will also be discussed in relation to effects on health. Selected communicable diseases and zoonotic and emerging diseases will be highlighted, along with current efforts to stop the spread of these diseases within the global community. Selected epidemiological studies will be emphasized to ensure that students are able to comprehend and appraise research in this field. For qualified students, this course may be taken as a 500-level.
Prerequisites: One of the following courses: SCI 251, SCI 351, SCI 356, SCI 362 or SCI 377, and junior standing or permission of the instructor especially for 500 level graduate course content
Session Cycle: Fall
Yearly Cycle: Varies.

SCI 467. Management Principles in Fitness and Athletics. 3 Credit Hours.
This course will examine the administrative principles associated with development, maintenance and operation of a fitness or sports organization in the public or private sector. Organizational business structures, equipment, staffing, as well as ethical, legal and economic considerations will be explored. Factors related to emergency planning and response will also be presented. One business course and one marketing course at the 200-level or above are recommended before taking this course.
Prerequisites: Junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 470. Immunity and Disease. 3 Credit Hours.
This course will provide a broad introduction to the rapidly advancing study of immunity and disease. Starting with a survey of basic immunological principles, the course will explore the importance of the molecular and cellular factors involved in immune responses. Key methodologies used by immunologists and the practical applications of this research for the medical community will be discussed, causes of autoimmune disorders.
Prerequisites: SCI 251 or SCI 366 or SCI 377 or permission of instructor
Session Cycle: Fall
Yearly Cycle: Varies.

SCI 472. AI and Technology in Wellness and Performance. 3 Credit Hours.
This course explores the intersection of artificial intelligence (AI), machine learning (ML), and emerging technologies in the domains of human wellness, physical fitness, and performance. Students will examine how data-driven tools are transforming healthcare, athletic training, rehabilitation, and human movement analysis. Through case studies, hands-on projects, and interdisciplinary collaboration, students will learn to critically evaluate and apply AI and technology in real-world scenarios relevant to future careers in healthcare, coaching, and performance science.
Prerequisites: SCI 352/L352 and (SCI 353 or SCI 381/L381), and (SCI 401/L401 or SCI 477/L477)
Session Cycle: Every Spring.

SCI 476. Principles of Strength and Conditioning I. 3 Credit Hours.
This course will review the scientific principles behind designing safe and effective aerobic exercise and resistance training programs. Strengthening with free weights, machine training, and Olympic style lifting will be covered. Methods for integrating warm up activities, designing stretching programs, and for optimizing physical performance through program design and periodization will be explored. An overview of the physiologic principles that govern tissue injury and healing, and introduction of the basic tenants of injury prevention will also be provided.
Prerequisites: SCI 251/L Biology I (with lab), SCI 360 Anatomy & Physiology I (with lab), SCI 380 Anatomy & Physiology II (with lab), SCI 352 Exercise Physiology, SCI 387 Functional Musculoskeletal Anatomy, SCI 381 Human Kinesiology (with lab)
Corequisites: SCI L476: Principles of Strength and Conditioning I Lab
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 477. Principles of Strength and Conditioning II. 3 Credit Hours.
This course will review the scientific principles behind designing safe and effective anaerobic exercise and functional strengthening programs. The use of balance, core stabilization, coordination, agility, and plyometric activities will be explored, as well as nontraditional techniques such as blood flow restriction training. Application of rehabilitation and reconditioning principles after musculoskeletal injury and concussion will be introduced. In addition, exercise considerations for special populations such as children, older adults and the female athlete will be discussed.
Prerequisites: SCI 251 Biology I (with lab),SCI 360 Anatomy & Physiology I (with lab), SCI 380 Anatomy & Physiology II (with lab), SCI 352 Exercise Physiology, SCI 387 Functional Musculoskeletal Anatomy, SCI 381 Human Kinesiology (with lab) & SCI 476 Principles of Strength and Conditioning I (with lab)
Corequisites: SCI L477: Principles of Strength and Conditioning II Lab
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 488. Field Experience II. 3 Credit Hours.
This course is the second and final field experience in the Exercise and Movement Science program. During this field experience students spend 150 hours in an exercise science/wellness setting that meets Bryant University's Exercise and Movement Science program requirements. This field experience provides students with the opportunity to gain real-world experience and to apply scientific and ethical principles learned in the classroom in an authentic environment. With guidance from their faculty and field experience supervisor, students also complete a research-based project related to exercise science.
Prerequisites: SCI 388: Field Experience I
Session Cycle: Every Spring Semester.

SCI 490. Research Directed Study in Science. 3 Credit Hours.
This course is designed to refine the research interests of departmental majors, and to gain additional hands-on research skills, including experimental design, methodology, and exposure to technology and instrumentation appropriate for a more extensive research project. Direct interaction of faculty and students will be required, and students will be matched with a faculty member most closely aligned with his/her research interests. The end product of this study will be a scientific paper describing a literature search, precise methodology, data analysis, and discussion of the research. An oral presentation of the research results will be expected, and the paper will be evaluated for publication in an appropriate journal.
Prerequisites: SCI 390 and senior standing or permission of the department chair.

SCI 497. Directed Study in Science. 3 Credit Hours.
This course is tailored to fit the unique interests of a student interested in science. Faculty and student will design a program for the study of complex issues of science and/or technology, including technical applications of scientific methodology and basic applied research into existing scientific problems, including regular meetings throughout the semester. The end product of this study would be a paper describing the results of the investigation, including methodology and data that have been generated, or the equivalent.
Prerequisites: approval of supervising faculty member and department chair.

SCI HS300. Honors Special Topics in Science Application of Brain Science. 3 Credit Hours.
The human brain is very good at recognizing patterns. We are able to learn new faces and languages, and are able to work in complex environments easily. Brain models have been able to capture some of these features, and are continually giving us a better understanding of the workings of the brain. In this course we look at applications of these models on non-biological problems. For example, Google uses brain modeling techniques in some of its data analysis, and neural networks are used in automobiles and factories. Netflix has an ongoing contest to improve their ratings system, the winners of previous contests have used models inspired from the brain. This course will explore these, and other, applications of these models in data analysis problems in finance, marketing, science, economics, and other fields.
Prerequisites: Honors Program and 200-level science course.

SCI L251. Biology I Laboratory. 1 Credit Hour.
This laboratory course is intended to complement the General Biology lecture course. Familiarity with a variety of organisms, techniques, and concepts is obtained through a direct, hands-on approach.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course and will also fulfill the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L253. Biology II Laboratory. 1 Credit Hour.
This course is intended as a higher level biology laboratory course, and will be essential for students intending to pursue advanced graduate or professional training in biomedical fields. Building on the foundations of biological science covered in General Biology – SCI 251 and Biology II – SCI 253, this laboratory course will use evolutionary theory as an organizing theme to explore biodiversity, animal and plant biology, human anatomy and physiology, immunology, hormone regulation, and vaccine development .
Pre/Corequisites: this course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Prerequisites: SCI 251 and SCI L251
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L262. Physical Geology Laboratory. 1 Credit Hour.
This laboratory course complements Physical Geology. Familiarity with minerals, igneous, sedimentary, and metamorphic rocks will be gained through hands-on activities. Other exercises include plotting of earthquake epicenters and map reading.
Pre/Corequisites: this course many only be taken concurrently with the lecture course or in a subsequent semester to the lecture course and fulfills the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L264. Physics I Laboratory. 1 Credit Hour.
This laboratory course is designed to provide a better understanding of the physical principles studies in the lecture course. The work done here provides an opportunity to become familiar with the scientific methods of making experimental measurements and evaluating the results of these measurements.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Annual.

SCI L265. Introductory Chemistry I Laboratory. 1 Credit Hour.
Laboratory experimentation is the foundation of the science of chemistry. The "hands-on" experiments performed in this course will illustrate the principles, theories, and laws discussed in the lecture portion of the course.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Annual.

SCI L267. Introductory Chemistry II Laboratory. 1 Credit Hour.
This course completes a two (2) semester introductory chemistry sequence (lecture plus lab), and will enhance a student's preparation for further study in the environmental and life sciences at Bryant. Recommended for Science and Technology majors/concentrators, and who plan to enter an industry or field of study where a general knowledge of chemistry is essential, such as the health professions (medical, pharmaceutical, dental) and graduate school in the biological sciences. This laboratory course will present practical applications of inorganic chemistry, thermodynamics, kinetics, and spectroscopy, and will coincide with the Chemistry II lecture.
Pre/Corequisites: This course may be only taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L269. Climate Change Laboratory. 1 Credit Hour.
This laboratory course complements the "SCI 269 Climate Change - Causes, Impacts, and Solutions" lecture course. This course will cover topics including weather and climate, natural and human-induced causes of climate change, major impacts of climate change, and possible solutions for climate change mitigation and adaptation. Methods of ancient climate change reconstruction and future climate prediction will be included, providing students a hands-on and experiential learning opportunity to acquire climate change related knowledge.
Pre/Corequisites: SCI 269
Session Cycle: Every Fall and Spring.

SCI L274. Physics II Laboratory. 1 Credit Hour.
This laboratory course consists of a series of exercises and term projects designed to give the student a quantitative understanding of experimental biological physics. The course follows Socratic methodology wherever possible to allow the students to gain a strong intuition even for concepts that are challenging. Data analysis techniques will be covered, as well as the use of technology in the gathering and interpretation of issues related to biological physics.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; and fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Alternate Years.

SCI L351. Ecology Laboratory. 1 Credit Hour.
This laboratory complements the Ecology: Theory and Applications lecture course. Ecosystem dynamics, including assessment of biotic and abiotic components, population growth patterns, species diversity and perturbation responses will be emphasized. Techniques and equipment commonly employed by professional ecologists will be stressed, using field studies, laboratory investigations, computer simulation, lab demonstrations, and site visits.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L352. Exercise Physiology Laboratory. 1 Credit Hour.
This laboratory course complements and reinforces the content in the Exercise Physiology lecture course. Students will have the opportunity to perform basic laboratory tests and measurements commonly used in human exercise physiology studies including but not limited to heart rate, blood pressure, EMG, VO2, and blood lactate levels. Emphasis will be placed on interpretation of data, and application of knowledge in real-world scenarios related to exercise physiology.
Pre/Corequisites: SCI 352
Prerequisites: SCI 251.

SCI L355. Energy Strategies for a Sustainable World Lab. 1 Credit Hour.
This laboratory course complements the Energy Strategies for a Sustainable World lecture course. Familiarity with a variety of non-renewable and renewable resources will be gained through hands-on activities. Exercises include evaluation of fossil fuel efficiency, computer simulations of resource allocation, and the design of a solar house.
Pre/Corequisites: SCI 355
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L356. Biotechnology Laboratory. 1 Credit Hour.
This laboratory course will provide a hands-on approach to examine topics such as genes and genomes, genetic manipulation, microbial biotechnology, plant and animal biotechnology, forensics, medical and environmental biotechnology to accompany the material covered in the Introduction to Biotechnology course. Students will gain a greater knowledge of the techniques currently used researchers in the biotech field.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Varies.

SCI L360. Anatomy and Physiology Laboratory I. 1 Credit Hour.
This laboratory component of Anatomy and Physiology I course will enable students to become familiar with anatomical structures at their own pace, using a hands-on approach. The laboratory exercises will include studies of 3-dimensional models and prepared slides, dissections of isolated organ systems, and observation of a virtual cadaver dissection, which will enable students to examine detailed structural features of key organs and systems, and better appreciate how the various body systems integrate. This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course. This course fulfills the laboratory science requirement
Session Cycle: Fall
Yearly Cycle: Annual.

SCI L363. Genetics Laboratory. 1 Credit Hour.
This laboratory course accompanies the Genetics lecture course which is intended to provide the fundamental basics of inheritance as well as to integrate modern uses of genetics in biotechnology and genomics. Topics will include basic inheritance patterns, reproduction, chromosomal replication, and the role of genetics in the development of various diseases. Students will be able to track inheritance patterns to determine risk of the occurrence of disease using hands-on techniques such as genetic karyotyping, generation of Punnett squares and DNA fingerprinting analyses.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI L365. Organic Chemistry I Laboratory. 1 Credit Hour.
This laboratory course will accompany the Organic Chemistry lecture course. Laboratory activities are based primarily on the study of carbon-containing compounds. Students will be given the opportunity to carry out reactions covered in the lecture course. In addition, the basic techniques required for performing organic chemistry research will also be learned, utilizing state of the art equipment, and the importance of organic chemistry to biology and environmental science will be emphasized.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI L367. Biochemistry Lab. 1 Credit Hour.
This inquiry-based laboratory course explores the molecular foundations of protein structure, function, and evolution through hands-on experimentation and hypothesis-driven research. Cross-listed to support Biochemistry and Cell Biology and Molecular Genetics lectures, it introduces students to advanced molecular biology techniques, such as recombinant DNA technology, site-directed mutagenesis, protein purification, and molecular graphics software for structural analysis. Students will engineer and characterize novel proteins (meaning results are not predetermined), gaining experience in experimental design, data interpretation, and scientific communication. Emphasis is placed on understanding the relationship between genetic information and protein properties, with applications in personalized medicine, biotechnology, and ethical decision-making. This lab prepares students for research-intensive and clinical environments, fostering skills and mindset essential for graduate study and professional practice. Students will evaluate their results in relation to other groups and present findings both orally in a poster presentation and in a written report at the end of the semester.
Pre/Corequisites: SCI 367 or SCI 382
Session Cycle: Every Spring Semester.

SCI L371. Human Impact on the Global Environment Lab. 1 Credit Hour.
This advanced laboratory course investigates a number of environmental topics pertaining to land and life. Interactive activities and experiments convey basic concepts of data collection, experimental design, analytical instrumentation, data analysis and interpretation, and risk assessment. These laboratory exercises also provide the necessary laboratory skills and techniques to conduct scientific research.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L373. Artificial Intelligence and Robotics Laboratory. 1 Credit Hour.
SCI L373 is the laboratory portion of artificial intelligence and robotics. This lab must be taken concurrently with the lecture portion.
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI L374. Organic Chemistry II Laboratory. 1 Credit Hour.
This laboratory course is the second in a two-semester organic chemistry progression. This course will use a self-directed curriculum to teach and reinforce topics and concepts in organic chemistry and build critical thinking skills. This course will employ microwave assisted organic synthesis, collaborative experimental design, analysis and debriefing of results. This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement.
Prerequisites: SCI L365
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L377. Microbiology Laboratory. 1 Credit Hour.
This laboratory course accompanies the Microbiology lecture course, which examines life at the microscopic level and is designed to provide an understanding of microbiology and its connectedness to the environment, medicine, agriculture, and industry. Topics will include exploration of the world of bacteria, viruses, protista, and fungi, preservation and safety; the role of microbes in biotechnology, industry, and agriculture, antibiotic resistance, viral and bacterial diseases of humans, and the use of microbes or microbial products in bioterrorism.
Pre/Corequisites: this course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L379. Emergency Medical Technician I Skills Lab. 1 Credit Hour.
This lab is part one of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include CPR training, the use of protective equipment, medical documentation, medical and trauma assessment, lifting and moving, airway techniques, medication administration, management of bleeding, and splinting.
Prerequisites: SCI 251 Corequisite: SCI 379
Session Cycle: Alternative Fall Semesters.

SCI L380. Anatomy and Physiology Lab II. 1 Credit Hour.
This laboratory component of Anatomy and Physiology II course will serve as a continuance of Anatomy and Physiology I Lab, which will enable students to study in more depth the various human body systems. The laboratory exercises will include studies of 3-dimensional models and prepared slides, dissections of isolated organ systems, and observation of a virtual cadaver dissection, which will enable students to examine detailed structural features of key organs and systems, and better appreciate how the various body systems integrate.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement. Sophomore standing required
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L381. Kinesiology Lab. 1 Credit Hour.
This laboratory course is intended to complement the Human Kinesiology lecture course. Goniometric measurements of the major extremity joints and the spine will be performed. Functional analysis of muscle stretching, as well as activation of muscles during concentric and eccentric challenges will be completed. Students will explore the biomechanical forces on the joints during common exercises and explore how changing body position alters the level of resistance that is encountered. An analysis of the mechanics of human gait will also be performed.
Prerequisites: SCI 360 Anatomy and Physiology I (with lab) & SCI 387 Functional Musculoskeletal Anatomy
Corequisites: SCI 381 Human Kinesiology
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L382. Cell Biology and Molecular Genetics Lab. 1 Credit Hour.
This inquiry-based laboratory course explores the molecular foundations of protein structure, function, and evolution through hands-on experimentation and hypothesis-driven research. Cross-listed to support Biochemistry and Cell Biology and Molecular Genetics lectures, it introduces students to advanced molecular biology techniques, such as recombinant DNA technology, site-directed mutagenesis, protein purification, and molecular graphics software for structural analysis. Students will engineer and characterize novel proteins (meaning results are not predetermined), gaining experience in experimental design, data interpretation, and scientific communication. Emphasis is placed on understanding the relationship between genetic information and protein properties, with applications in personalized medicine, biotechnology, and ethical decision-making. This lab prepares students for research-intensive and clinical environments, fostering skills and mindset essential for graduate study and professional practice. Students will evaluate their results in relation to other groups and present findings both orally in a poster presentation and in a written report at the end of the semester.
Pre/Corequisites: SCI 367 or SCI 382
Session Cycle: Every Spring Semester.

SCI L384. Emergency Medical Technician II Skills Lab. 1 Credit Hour.
This lab is part two of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include medication administration, management of trauma injuries and medical emergencies, lifting and moving, childbirth and pediatrics, management of mass casualty incidents, and well as other special scenarios.
Prerequisites: SCI 379, SCI L379 Corequisites: SCI 384
Session Cycle: Alternate Spring Semesters.

SCI L401. Fundamentals of Strength and Conditioning Laboratory. 1 Credit Hour.
This laboratory course complements the Fundamentals of Strength and Conditioning lecture course. Students will engage in hands-on experiences with exercise equipment while designing and implementing aerobic and anaerobic exercise programs, including cardiovascular training, resistance training using free weights and machines, as well as functional exercise for strength, agility, balance and coordination. Warm up programs and stretching will also be covered. NOTE: This course is designed for students outside the Exercise and Movement Science major, and students may not receive credit for SCI L401 Fundamentals of Strength and Conditioning Lab if they have or will receive credit for SCI L476: Principles of Strength and Conditioning I Lab and/or SCI L477: Principles of Strength and Conditioning II Lab.
Pre/Corequisites: SCI 401
Prerequisites: SCI 251, and (SCI 353 or SCI 381).

SCI L476. Principles of Strength and Conditioning I Lab. 1 Credit Hour.
This laboratory course is intended to complement the Principles of Strength and Conditioning I lecture course. Laboratory sessions will provide the opportunity for students to practice designing stretching, resistance training, and aerobic exercise programs, while implementing the principle of periodization. Students will learn to apply progressions and regressions at the appropriate times, and to optimize athletic performance through manipulation of the program design.
Prerequisites: SCI 251 Biology I (with lab), SCI 360 Anatomy & Physiology I (with lab), SCI 380 Anatomy & Physiology II (with lab),SCI 352 Exercise Physiology, SCI 387 Functional Musculoskeletal Anatomy & SCI 381 Human Kinesiology (with lab)
Corequisites: SCI 476: Principles of Strength and Conditioning I
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L477. Principles of Strength and Conditioning II Lab. 1 Credit Hour.
This laboratory course is intended to complement the Principles of Strength and Conditioning II lecture course. Laboratory sessions will provide the opportunity for students to practice designing anaerobic, as well as functional strengthening and conditioning programs, with integration of balance, core stabilization, coordination, agility, and plyometric activities. There will also be an opportunity to experience blood flow restriction training and other nontraditional techniques. Students will learn to apply progressions and regressions at the appropriate times, and to optimize athletic performance through manipulation of the program design.
Prerequisites: SCI 251, SCI L251,SCI 352, SCI 360, SCI L360, SCI 380, SCI L380, SCI 387, SCI 381, SCI L381, SCI 476 & SCI L476
Corequisites: SCI 477: Principles of Strength and Conditioning II
Session Cycle: Fall
Yearly Cycle: Annual.

SCI R265. Introductory Chemistry I Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 265: Introductory Chemistry I lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 265: Introductory Chemistry I
Session Cycle: Every Fall.

SCI R267. Introductory Chemistry II Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 267: Introductory Chemistry II lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 267: Introductory Chemistry II
Session Cycle: Every Spring.

SCI R365. Organic Chemistry I Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 365: Organic Chemistry I lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 365: Organic Chemistry I
Session Cycle: Every Fall.

SCI R374. Organic Chemistry II Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 374: Organic Chemistry II lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 374: Organic Chemistry II
Session Cycle: Every Spring.

Bachelor of Science with a Major in Biology

Biology Major

Biology, the study of life, is the most all-encompassing of the sciences. Understanding basic life processes requires working in many areas in an integrated way. Students who major in Biology engage in a curriculum that explores the breadth of the biological sciences. They develop hands-on laboratory skills and have the opportunity to participate in laboratory and field research projects, under the direction of a faculty mentor.

The biology program provides a solid foundation in basic scientific knowledge. Every student will take a common set of core classes providing this initial set of core competencies that will be built upon and reinforced as you progress through intermediate level courses. Once the core is complete, students can enter into one of the three advisory tracks to complete the remaining credits required for the major that are designed to assist in course selection based on individual career goals and needs.

These tracks are:

- `General Biology`

  The General Biology track offers a broad foundation in the biological sciences, ideal for students seeking flexibility in their career paths. While many graduates pursue advanced degrees in healthcare, others go on to graduate studies or careers in research, education, or biotechnology. This track provides a strong scientific core with the freedom to explore diverse areas of biology.

- `Pre-Med/Pre-Health`

  Designed specifically for students preparing for medical, dental, veterinary, physician assistant, or other professional health programs, the Pre-Med/Pre-Health track includes all prerequisite coursework required by most healthcare schools. This rigorous curriculum ensures students are well-prepared for entrance exams and competitive application processes.

- `Environmental Biology`

  The Environmental Biology track focuses on the intersection of biology and environmental science. Students take specialized courses such as Introduction to Environmental Sustainability and Climate Change and can tailor their degree with electives from an approved list of environmental biology courses. This track is ideal for those passionate about conservation, ecology, and environmental policy.

Our interdisciplinary approach to teaching encourages students to make connections across scientific, social, and economic domains. In particular, we emphasize the growing intersection between health and business—an essential consideration in today's healthcare landscape. This perspective equips students to understand and navigate the broader context in which scientific and medical decisions are made.

With our multiple track program, Biology majors are prepared for a wide array of opportunities including careers in the health sciences, biomedical research, physical therapy, biotechnology, pharmaceutical science, environmental biology, food science, and industrial research.

The Pre-Medical and Pre-Health Professional Advisor provides guidance and resource materials for all students interested in medical school, physician assistant programs, dental school, nursing, veterinary or other biomedical professional programs. Those students will follow the pre-health advisory track and will get assistance with the application process from the pre-health advisor.

Biology majors engage in a challenging and rewarding program that is tailored to fit individual student needs by customizing upper-level course selection. Biology majors at Bryant gain a strong foundation in the science of biology and develop the abilities required to engage in thoughtful consideration of complex biological issues from multiple perspectives.

Students in the Biology major will:

- Demonstrate understanding of the processes of science, the scientific method, and the relationship between scientific research and established knowledge.
- Express biological scientific literacy in oral and written communication.
- Demonstrate content knowledge in biology.
- Demonstrate fundamental lab skills.
- Evaluate biological data, draw reasonable conclusions, recognize the ethical implications of these conclusions, and apply these conclusions to personal, community, and scientific problems.

Bachelor of Science Degree with a Biology Major Requirements:

General Education Requirements (p. 25):

(Calculus and Analytic Geometry I (Biology Majors are required to take MATH 121. It can be used for the GEN Ed Math requirement of MATH 110)

University Minor Requirements (p. 207)

Biology Major Curriculum Requirements

Biology Degree Core Requirements		
SCI 251 & SCI L251	Biology I Principles of Biology and Biology I Laboratory	4
SCI 253 & SCI L253	Biology II Organismal Biology and Biology II Laboratory	4
SCI 264 & SCI L264	Physics I Introductory Physics and Physics I Laboratory	4
SCI 265 & SCI L265	Introductory Chemistry I and Introductory Chemistry I Laboratory	4
SCI 267 & SCI L267	Introductory Chemistry II and Introductory Chemistry II Laboratory	4
SCI 359 or AI 201	Artificial Intelligence (AI) in Healthcare Introduction to Artificial Intelligence	3
Choose one of the following tracks:		
Track 1: General Biology		
Biology Core plus the following General Biology Required Course:		
SCI 365 & SCI L365	Organic Chemistry I and Organic Chemistry I Laboratory	4
Choose 4 of the following courses plus one lab, at least one course must be at the 400-level		
SCI 351 & SCI L351	Ecology and Ecology Laboratory	4
SCI 352 & SCI L352	Exercise Physiology and Exercise Physiology Laboratory	4
SCI 354	Fundamentals of Nutrition	3
SCI 356	Introduction to Biotechnology	3
SCI 360 & SCI L360	Anatomy and Physiology I and Anatomy and Physiology Laboratory I (*)	4
SCI 363 & SCI L363	Genetics and Genetics Laboratory	4
SCI 366	Coastal Environments	3
SCI 367 & SCI L367	Biochemistry and Biochemistry Lab	3
SCI 368	Elements of Forensic Science	3
SCI 374 & SCI L374	Organic Chemistry II and Organic Chemistry II Laboratory	4
SCI 376	GIS for Health, Business, and the Environment	3
SCI 377 & SCI L377	Microbiology and Microbiology Laboratory	4
SCI 379	Emergency Medical Technician I	3
SCI 380 & SCI L380	Anatomy and Physiology II and Anatomy and Physiology Lab II (*)	4
SCI 381 & SCI L381	Human Kinesiology and Kinesiology Lab	4
SCI 382 & SCI L382	Cell Biology and Molecular Genetics and Cell Biology and Molecular Genetics Lab	3
SCI 383	Human Health and Disease	3
SCI 387	Functional Musculoskeletal Anatomy	3
SCI 390	Research Methods in Science	3
SCI 402	Current Topics in Nutrition	3
SCI 457	Environmental Toxicology and Human Health	3
SCI 466	Global Health Challenges	3
SCI 470	Immunity and Disease	3
SCI 490	Research Directed Study in Science	3
Track 2: Pre-Med/Pre-Health		
Biology core plus the following Pre-Med/Pre-Health Required courses:		
SCI 274 & SCI L274	Physics II Biological Physics and Physics || Laboratory	4
SCI 360 & SCI L360	Anatomy and Physiology I and Anatomy and Physiology Laboratory I	4
SCI 365 & SCI L365	Organic Chemistry I and Organic Chemistry I Laboratory	4
SCI 374 & SCI L374 or SCI 367	Organic Chemistry II and Organic Chemistry II Laboratory Biochemistry	4

SCI 380 & SCI L380	Anatomy and Physiology II and Anatomy and Physiology Lab II	4
****Choose 3 of the following course plus one lab, one course must be at the 400 level**		
HS 390	Research Methods in Health Sciences	3
SCI 352 & SCI L352	Exercise Physiology and Exercise Physiology Laboratory	4
SCI 354	Fundamentals of Nutrition	3
SCI 359	Artificial Intelligence (AI) in Healthcare	3
SCI 363 & SCI L363	Genetics and Genetics Laboratory	4
SCI 367 & SCI L367	Biochemistry and Biochemistry Lab	3
SCI 374 & SCI L374	Organic Chemistry II and Organic Chemistry II Laboratory	4
SCI 376	GIS for Health, Business, and the Environment	3
SCI 377 & SCI L377	Microbiology and Microbiology Laboratory	4
SCI 379	Emergency Medical Technician I	3
SCI 381 & SCI L381	Human Kinesiology and Kinesiology Lab	4
SCI 382 & SCI L382	Cell Biology and Molecular Genetics and Cell Biology and Molecular Genetics Lab	3
SCI 383	Human Health and Disease	3
SCI 387	Functional Musculoskeletal Anatomy	3
SCI 390	Research Methods in Science	3
SCI 401 & SCI L401	Fundamentals of Strength and Conditioning and Fundamentals of Strength and Conditioning Laboratory	4
SCI 402	Current Topics in Nutrition	3
SCI 457	Environmental Toxicology and Human Health	3
SCI 466	Global Health Challenges	3
SCI 470	Immunity and Disease	3
SCI 490	Research Directed Study in Science	3
*Recommended to be taken with the lab.		
Suggested Open Electives for the Pre-Health Track		
SCI 252	Medical Terminology	1
SCI 275	Introduction to Healthcare: Clinical and Business Perspectives	3
Track 3: Environmental Biology		
Biology Core plus Environmental Science Required Course:		
SCI 268	Introduction to Environmental Sustainability	3
SCI 269 & SCI L269	Climate Change and Climate Change Laboratory	4
Choose 1 additional course:		
SCI 262 & SCI L262	Physical Geology and Physical Geology Laboratory	4
SCI 351	Ecology	3
Choose 4 of the following courses plus one lab, at least one course must be at the 400 level		
SCI 351 & SCI L351	Ecology and Ecology Laboratory	4
SCI 355	Energy Strategies for a Sustainable World	3
SCI 365 & SCI L365	Organic Chemistry I and Organic Chemistry I Laboratory	4
SCI 366	Coastal Environments	3
SCI 371 & SCI L371	Human Impact on the Global Environment and Human Impact on the Global Environment Lab	4
SCI 376	GIS for Health, Business, and the Environment	3
SCI 377 & SCI L377	Microbiology and Microbiology Laboratory	4
SCI 392	Real World Applications for Sustainability and Climate Action	3
SCI 403	Innovations for Sustainable Futures	3
SCI 455	Environmental Policy: Decision Making and Problem Solving	3
SCI 457	Environmental Toxicology and Human Health	3
SCI 463	Issues in Environmental Science	3
SCI 466	Global Health Challenges	3
SCI 490	Research Directed Study in Science	3
Mathematics Requirements:		
MATH 121	Calculus and Analytic Geometry I ((Biology Majors are required to take MATH 121. It can be used for the GEN Ed Math requirement of MATH 110))	3

**General Track requires 40 credits for the major. Pre-Health Track requires 53 credits, Environmental Track requires 46/47 credits

A minimum of 120 credit hours is required for graduation.

Bachelor of Science with a Major in Exercise and Movement Science

Exercise and Movement Science

Students who earn a B.S. in Exercise and Movement Science will be prepared to sit for the national Certified Strength and Conditioning Specialist exam. Graduates will be prepared to work in a wide array of fitness and athletic settings and will develop a framework to understand and analyze human movement, incorporating an appreciation of the overlapping influences from anatomical, physiological, psychological, and neurological factors. All students will complete an internship to gain experience in a setting that aligns with their future career goals.

Students in the Exercise and Movement Science major will have the opportunity to:

- Study the natural sciences and apply your knowledge to concepts in biomechanics, nutrition, research, exercise assessment and prescription, and programming.
- Learn how to design, prescribe, implement, and assess exercise programs for different populations.
- Gain practical experience with exercise technology and equipment through Bryant's new state-of-the-art Exercise and Movement Science Lab.
- Develop communication skills to interact and collaborate with patients, caregivers, and other professionals within the healthcare sector.
- Use critical thinking and core research skills to find solutions to problems in the field.

Descriptions of Tracks:

Two tracks of study are available. The Strength and Conditioning Track is designed for students who wish to enter the workforce after graduation,

while the Healthcare Provider Prep track is designed for students who wish to build upon their knowledge by pursuing a graduate degree in a healthcare or medical field.

Healthcare Provider Prep
This track will prepare students for graduate level studies in a variety of different healthcare programs, including physical therapy and athletic training.

Strength and Conditioning Track
The Strength and Conditioning Track prepares students for careers in the fitness and performance industry, including collegiate and professional strength and conditioning, private training facilities, and sports performance settings. Through coursework and hands-on experiences, students develop expertise in exercise programming, athlete development, performance testing, and coaching. The curriculum is aligned with the knowledge and skills needed to prepare graduates to sit for the Certified Strength and Conditioning Specialist (CSCS) examination.

Bachelor of Science with a Major in Exercise and Movement Science Degree Requirements:

General Education Requirements (p. 25)
University Minor Requirements (p. 207)

Exercise and Movement Science Major Curriculum Requirements:

Exercise and Movement Sciences Major Core Requirements		
SCI 251 & SCI L251	Biology I Principles of Biology and Biology I Laboratory	4
SCI 253 & SCI L253	Biology II Organismal Biology and Biology II Laboratory	4
SCI 352 & SCI L352	Exercise Physiology and Exercise Physiology Laboratory	4
SCI 360 & SCI L360	Anatomy and Physiology I and Anatomy and Physiology Laboratory I	4
SCI 380 & SCI L380	Anatomy and Physiology II and Anatomy and Physiology Lab II	4
SCI 381 & SCI L381	Human Kinesiology and Kinesiology Lab	4
SCI 387	Functional Musculoskeletal Anatomy	3
SCI 388	Field Experience I	3
SCI 476 & SCI L476	Principles of Strength and Conditioning I and Principles of Strength and Conditioning I Lab	4
Choose One of the Following Tracks		
Strength and Conditioning Track Required Courses		
SCI 386	Sports Nutrition	3
SCI 472	AI and Technology in Wellness and Performance	3
SCI 477 & SCI L477	Principles of Strength and Conditioning II and Principles of Strength and Conditioning II Lab	4
SCI 488	Field Experience II	3
PSY 481	Exercise and Sport Psychology	3
Healthcare Provider Prep Track Required Courses		
SCI 386	Sports Nutrition	3
or SCI 354	Fundamentals of Nutrition	
SCI 472	AI and Technology in Wellness and Performance	3
or SCI 359	Artificial Intelligence (AI) in Healthcare	
SCI 383	Human Health and Disease	3
Students in the healthcare provider prep track must complete the above required courses and must complete two additional upper-level science (SCI) courses that are related to their future academic endeavors.		6
Mathematics Requirement:		
MATH 121	Calculus and Analytic Geometry I ((EMS Majors are required to take MATH 121 this can be used to fulfill the GEN ED MATH 110 requirement))	3
Business Minor Requirement (Healthcare Management and Strategy Minor recommended for Health Care Provider Prep Track)		

A minimum of 49/50 credit hours are required for the major depending on track.

A minimum of 120 credit hours are required for graduation.

Biology Concentration

Biology Concentration Requirements:

SCI 251	Biology I Principles of Biology	3
SCI L251	Biology I Laboratory	1
SCI 253	Biology II Organismal Biology	3
SCI L253	Biology II Laboratory	1
Choose two of the following courses plus one lab		
SCI 351	Ecology	3
SCI 352	Exercise Physiology	3
SCI 353	Human Muscles and Movement	3
SCI 354	Fundamentals of Nutrition	3
SCI 355	Energy Strategies for a Sustainable World	3
SCI 356	Introduction to Biotechnology	3
SCI 359	Artificial Intelligence (AI) in Healthcare	3
SCI 360	Anatomy and Physiology I	3
SCI 363	Genetics	3
SCI 365	Organic Chemistry I	3
SCI 367	Biochemistry	3
SCI 368	Elements of Forensic Science	3
SCI 377	Microbiology	3
SCI 379	Emergency Medical Technician I	3
SCI 380	Anatomy and Physiology II	3
SCI 382	Cell Biology and Molecular Genetics	3
SCI 390	Research Methods in Science	3
SCI L351	Ecology Laboratory	1
SCI L352	Exercise Physiology Laboratory	1
SCI L355	Energy Strategies for a Sustainable World Lab	1
SCI L360	Anatomy and Physiology Laboratory I	1
SCI L363	Genetics Laboratory	1
SCI L365	Organic Chemistry I Laboratory	1
SCI L367	Biochemistry Lab	
SCI L377	Microbiology Laboratory	1
SCI L380	Anatomy and Physiology Lab II	1
SCI L382	Cell Biology and Molecular Genetics Lab	

Choose one of the following		
SCI 402	Current Topics in Nutrition	3
SCI 466	Global Health Challenges	3
SCI 470	Immunity and Disease	3
SCI 490	Research Directed Study in Science	3

A minimum of 18 credits are required for the concentration.

Biology Minor

Biology Minor Requirements

Two core courses		
SCI 251	Biology I Principles of Biology	3
SCI 253	Biology II Organismal Biology	3
Choose one 300-level and one 400-level science course		**6**

A minimum of 12 credit is required for the minor.

Biotechnology Minor

Biotechnology Minor Requirements:

SCI 251	Biology I Principles of Biology	3
SCI 356	Introduction to Biotechnology	3
Choose one of the following courses:		
SCI 359	Artificial Intelligence (AI) in Healthcare	3
SCI 363	Genetics	3
SCI 365	Organic Chemistry I	3
SCI 367	Biochemistry	3
SCI 368	Elements of Forensic Science	3
SCI 377	Microbiology	3
SCI 379	Emergency Medical Technician I	3
Choose one of the following:		
SCI 466	Global Health Challenges	3
SCI 470	Immunity and Disease	3
SCI 490	Research Directed Study in Science	3

A minimum of 12 credits is required for the minor.

Chemistry Minor

Chemistry Minor Requirements

SCI 265	Introductory Chemistry I	3
SCI 267	Introductory Chemistry II	3
SCI 365 or SCI 367	Organic Chemistry I Biochemistry	3
SCI 490	Research Directed Study in Science	3

A minimum of 12 credit hours is required for the minor.

Environmental Science Concentration

Environmental Science Concentration Requirements

Required Courses:

Level 1 (choose 2 including 1 lab)		
SCI 251 & SCI L251	Biology I Principles of Biology and Biology I Laboratory	4
SCI 253 & SCI L253	Biology II Organismal Biology and Biology II Laboratory	4
SCI 262 & SCI L262	Physical Geology and Physical Geology Laboratory	4
SCI 264 & SCI L264	Physics I Introductory Physics and Physics I Laboratory	4
SCI 265 & SCI L265	Introductory Chemistry I and Introductory Chemistry I Laboratory	4
SCI 267 & SCI L267	Introductory Chemistry II and Introductory Chemistry II Laboratory	4
SCI 268	Introduction to Environmental Sustainability	3
SCI 269	Climate Change	3
Level 2 (choose 2 including 1 lab)		
SCI 351 & SCI L351	Ecology and Ecology Laboratory	4
SCI 355 & SCI L355	Energy Strategies for a Sustainable World and Energy Strategies for a Sustainable World Lab	4
SCI 365 & SCI L365	Organic Chemistry I and Organic Chemistry I Laboratory	4
SCI 366	Coastal Environments	3
SCI 371 & SCI L371	Human Impact on the Global Environment and Human Impact on the Global Environment Lab	4
SCI 376	GIS for Health, Business, and the Environment	3
SCI 377 & SCI L377	Microbiology and Microbiology Laboratory	4
SCI 390	Research Methods in Science	3
SCI 392	Real World Applications for Sustainability and Climate Action	3
Plus one additional lab from Level 1 or Level 2		
Level 3 (choose 1)		
SCI 403	Innovations for Sustainable Futures	3
SCI 455	Environmental Policy: Decision Making and Problem Solving	3
SCI 457	Environmental Toxicology and Human Health	3
SCI 463	Issues in Environmental Science	3
SCI 466	Global Health Challenges	3

A minimum of 18 credits is required for the concentration.

Environmental Science Minor

Environmental Science Minor Requirements

Level 1 (choose 2)		
SCI 251	Biology I Principles of Biology	3
SCI 253	Biology II Organismal Biology	3

SCI 262	Physical Geology	3
SCI 264	Physics I Introductory Physics	3
SCI 268	Introduction to Environmental Sustainability	3
SCI 269	Climate Change	3
Level 2 (choose 1)		
SCI 351	Ecology	3
SCI 355	Energy Strategies for a Sustainable World	3
SCI 365	Organic Chemistry I	3
SCI 366	Coastal Environments	3
SCI 371	Human Impact on the Global Environment	3
SCI 376	GIS for Health, Business, and the Environment	3
SCI 377	Microbiology	3
SCI 390	Research Methods in Science	3
SCI 392	Real World Applications for Sustainability and Climate Action	3
Level 3 (choose 1)		
SCI 403	Innovations for Sustainable Futures	3
SCI 455	Environmental Policy: Decision Making and Problem Solving	3
SCI 457	Environmental Toxicology and Human Health	3
SCI 463	Issues in Environmental Science	3
SCI 466	Global Health Challenges	3

A minimum of 12 credit hours is required for the minor.

Forensic Science Minor

This minor is intended for students interested in exploring professional careers involving police and medical investigation of crime scenes and criminal acts, laboratory assessment of materials associated with such investigations, and preparation for advanced study in areas such as trauma assessment, forensic photography, ballistics, medical entomology, DNA analysis, pharmaceutical science, or medical studies. Students will examine the specialized roles of each member of the forensic team, such as law enforcement, medical, and scientific experts.

Forensic Science Minor Requirements:

Required Courses		
SCI 251 & SCI L251	Biology I Principles of Biology and Biology I Laboratory	4
SCI 265 & SCI L265	Introductory Chemistry I and Introductory Chemistry I Laboratory	4
SCI 368	Elements of Forensic Science	3
Pick ONE from the Following List:		
SCI 363 & SCI L363	Genetics and Genetics Laboratory	4
PSY 482	Forensic Psychology	3

A minimum of 14 credit hours is required for the minor.

- **In total, the minor requires four 3-credit lecture courses, and two 1-credit laboratory courses. However, if students elect to take SCI 363: Genetics as one of the optional courses for this minor, they will also be required to complete the 1-credit SCI L363: Genetics laboratory.

Health and Wellness Concentration

The health and wellness industries continue to grow in response to some prominent challenges such as the rising incidence of many chronic diseases, soaring healthcare costs, and the mental health crisis. In this concentration of study, students will develop information literacy skills by locating and analyzing scholarly literature related to health and wellness. Students will develop critical thinking and problem-solving skills as they work collaboratively to consider solutions to some of the biggest problems in today's health arena. Depending which courses are chosen from the approved list for this minor, students may also have the opportunity to: 1) utilize equipment in the analytical science lab and the EMS lab, 2) explore global impacts of health issues, 3) understand preventative health promotion strategies in the area of nutrition, 4) utilize strength and conditioning to promote health and wellness, and/or 5) analyze and understand healthcare from a business/industry standpoint. This concentration of study provides students with a broad-based understanding of the contemporary issues surrounding health and wellness from a healthcare and industry standpoint and aims to provide a practical skill set to support any career involving the industries of health and wellness.

Health and Wellness Concentration Requirements:

Required Courses:		
SCI 251	Biology I Principles of Biology	3
SCI 383	Human Health and Disease	3
Students must pick 4 courses from the list below:		
PSY 355 or PSY 375	Introduction to Psychopathology Health Psychology	3
SCI 275	Introduction to Healthcare: Clinical and Business Perspectives	3
SCI 352	Exercise Physiology	3
SCI 353	Human Muscles and Movement	3
SCI 354 or SCI 386	Fundamentals of Nutrition Sports Nutrition	3
SCI 359	Artificial Intelligence (AI) in Healthcare	3
SCI 401 & SCI L401	Fundamentals of Strength and Conditioning and Fundamentals of Strength and Conditioning Laboratory	4
SCI 402	Current Topics in Nutrition	3
SCI 466	Global Health Challenges	3

A minimum of 18 credit hours is required for the concentration.

**In total, the concentration requires six 3-credit lecture courses. However, if students elect to take SCI 401: Fundamentals of Strength and Conditioning as optional courses for this concentration, they will also be required to complete the 1-credit lab that complements each course.

Health and Wellness Minor

There are many barriers to the maintenance of health and wellness in today's society. Challenges include the rising incidence of many chronic diseases, soaring healthcare costs, and the mental health crisis. In this minor of study, students will gain exposure to information literacy techniques through locating and analyzing scholarly literature related to health and wellness. Students will develop critical thinking and problem-

solving skills as they work collaboratively to consider solutions to some of the biggest problems in today's health arena. Depending which courses are chosen from the approved list for this minor, students may also have the opportunity to: 1) utilize equipment in the analytical science lab and the EMS lab, 2) explore global impacts of health issues, 3) understand how to utilize preventative health promotion strategies such as exercise and nutrition, and/or 4) analyze and understand healthcare from a business/industry standpoint.

Health and Wellness Minor Requirements:

Required Courses:		
SCI 251	Biology I Principles of Biology	3
SCI 383	Human Health and Disease	3
Students must pick 2 courses from the list below:		
PSY 355	Introduction to Psychopathology	3
or PSY 375	Health Psychology	
SCI 275	Introduction to Healthcare: Clinical and Business Perspectives	3
SCI 352	Exercise Physiology	3
SCI 353	Human Muscles and Movement	3
SCI 354	Fundamentals of Nutrition	3
or SCI 386	Sports Nutrition	
SCI 359	Artificial Intelligence (AI) in Healthcare	3
SCI 402	Current Topics in Nutrition	3
SCI 466	Global Health Challenges	3

A minimum of 12 credit hours is required for the minor.

Nutrition Minor

Students who complete the minor in nutrition will study the connection between nutrition, health, human performance, and disease. An evidence-based approach will be taken to covering topics such nutrient requirements, weight control, nutritional supplements, popular diets, as well as causes and treatments of eating disorders. Emphasis will be placed on critically analyzing nutritional claims in the marketplace. Through participation in the required laboratory course, students will develop practical skills to assess nutritional status, and to create a nutritional intervention plan to optimize health and human performance.

Nutrition Minor Requirements:

Required Courses:		
SCI 251	Biology I Principles of Biology	3
SCI 354	Fundamentals of Nutrition	3
SCI 367	Biochemistry	3
or SCI 386	Sports Nutrition	
SCI 402	Current Topics in Nutrition	3

A minimum of 12 credits is required for the minor.

Strength and Conditioning Concentration

Students who complement their studies with a Strength and Conditioning Concentration will develop knowledge and hands-on skills related to human structure, physical and physiologic function, as well as training techniques to enhance human fitness and performance. Students also have the option to customize their path of study to include additional learning about health and human disease, nutrition, sports psychology, and/or management principles in fitness and athletics. This practical skill set in the field of exercise can be useful to meet personal and/or career-related goals.

Strength and Conditioning Concentration Requirements:

Required Courses:		
SCI 251	Biology I Principles of Biology	3
SCI 352 & SCI L352	Exercise Physiology and Exercise Physiology Laboratory	4
SCI 353	Human Muscles and Movement	3
SCI 401 & SCI L401	Fundamentals of Strength and Conditioning and Fundamentals of Strength and Conditioning Laboratory	4
Students must pick 2 courses from the list below:		
PSY 481	Exercise and Sport Psychology	3
SCI 383	Human Health and Disease	3
SCI 386	Sports Nutrition	3
SCI 402	Current Topics in Nutrition	3
SCI 467	Management Principles in Fitness and Athletics	3

A minimum of 20 credits is required for the concentration.

Strength and Conditioning Minor

Students who enroll in the Strength and Conditioning minor will develop practical knowledge and hands-on skills related to exercise, which can be useful to meet personal and/or career-related goals. Students will have exposure to content such as the structure and movement of the human body, the body's physiologic response to physical activity, measures of human fitness, as well as training techniques to enhance human fitness and performance.

Strength and Conditioning Minor Requirements:

Required Courses:		
SCI 251	Biology I Principles of Biology	3
SCI 352 & SCI L352	Exercise Physiology and Exercise Physiology Laboratory	4
SCI 353	Human Muscles and Movement	3
SCI 401 & SCI L401	Fundamentals of Strength and Conditioning and Fundamentals of Strength and Conditioning Laboratory	4

A minimum of 14 credits is required for the minor.

Sustainability and Climate Action Concentration

Sustainability and Climate Action Concentration:

The Sustainability and Climate Action concentration empowers students to examine critical sustainability issues across business, healthcare,

and environmental sectors. This program provides a robust framework for understanding how climate action intersects with organizational practices and consumer expectations, including emissions disclosures, greenhouse gas accounting, waste circularity, ESG, greenwashing, and nature-based solutions.

Students will delve into the strategic environmental frameworks that are increasingly essential in today's marketplace, where businesses are held accountable for their sustainability efforts. This concentration not only enhances students' technical expertise in their primary fields—such as marketing, finance, or healthcare—but also equips them with the skills to integrate sustainability into business operations effectively.

Through hands-on projects and real-world applications, students will practice applying their knowledge to enhance business practices, leading to improved outcomes for consumers, increased profitability, and a positive impact on the environment. By fostering innovative solutions and responsible decision-making, this concentration prepares students to become leaders who drive meaningful change in their organizations and communities.

Ultimately, the concentration in Sustainability and Climate Action inspires students to align their career aspirations with a commitment to sustainability, contributing to a future that balances economic success with environmental stewardship.

Program Goals for the Concentration:

Foundational Knowledge:
Students will demonstrate a comprehensive understanding of the principles of sustainability and climate action, particularly how these concepts apply across various sectors, including business, healthcare, and the environment. This goal includes recognizing the interconnectedness of ecological, social, and economic systems and their implications for organizational practices.

Strategic Integration:
Students will be equipped to integrate sustainability principles into core organizational practices effectively. This includes analyzing consumer expectations and corporate accountability, and developing strategic frameworks that align sustainability initiatives with business objectives. Students will learn to evaluate the impact of sustainable practices on operational efficiency and market competitiveness.

Practical Application:
Through hands-on projects and real-world applications, students will apply their knowledge of sustainability strategies to real organizational challenges. This goal emphasizes developing innovative solutions that enhance business practices, improve consumer outcomes, and contribute positively to environmental health and climate mitigation. Students will engage in collaborative projects that require critical thinking and problem-solving skills.

Ethical Leadership and Advocacy:
Students will cultivate strong ethical decision-making skills and a commitment to advocacy for responsible sustainability practices, with equitable climate solutions regardless of socioeconomic status. This goal encourages students to analyze the ethical implications of business decisions on climate and the environment, preparing them to lead with integrity and foster a culture of sustainability within their organizations.

Impact Measurement and Communication:
Students will learn to measure and communicate the impact of sustainability initiatives effectively. This includes developing skills in data analysis, reporting, and stakeholder engagement to convey the benefits of sustainability practices to diverse audiences. Students will be prepared to advocate for sustainability efforts within their organizations and the broader community.

Sustainability and Climate Action Concentration Requirements:

Required Courses		
SCI 268	Introduction to Environmental Sustainability	3
SCI 269	Climate Change	3
SCI 403	Innovations for Sustainable Futures	3
Elective Options (Choose 3 Additional Courses)		
GSCM 440	Corporate Social Responsibility in the Global Supply Chain	3
or LCS 362	Topics in the Environmental Humanities	
or POLS 367	Environmental Justice Policy	
SCI 355	Energy Strategies for a Sustainable World	3
SCI 371	Human Impact on the Global Environment	3
SCI 376	GIS for Health, Business, and the Environment	3
SCI 391	Science Internship	3
SCI 392	Real World Applications for Sustainability and Climate Action	3

A minimum of 18 credits are required for the concentration.

Sustainability and Climate Action Minor

Sustainability and Climate Action Minor Requirements:

Required Courses		
SCI 268	Introduction to Environmental Sustainability	3
or SCI 269	Climate Change	
SCI 403	Innovations for Sustainable Futures	3
Elective Options (Choose 2 Additional Courses)		
SCI 355	Energy Strategies for a Sustainable World	3
SCI 371	Human Impact on the Global Environment	3
SCI 376	GIS for Health, Business, and the Environment	3
SCI 392	Real World Applications for Sustainability and Climate Action	3

A minimum of 12 credits is required for the minor.

Bachelor of Science with a Major in Health Sciences

The Bachelor of Science with a major in Health Sciences is designed to provide students with a fully integrated and comprehensive curriculum to prepare them for a variety of careers within the health sciences and healthcare sector. The program core, which fuses courses in the sciences, communication, and psychology, will expose students to the multiple facets of health and introduce them to a variety of careers in health care and related professions. Depending on interest and career aspirations, students will then select upper-level courses that are aligned with one of our three tailored tracks (general health sciences, neuroscience and nutrition) and meet requirements for admission

to graduate level clinical and non-clinical programs, as well as the employment sector.

Our unique emphasis on interdisciplinary study and the tailored tracks, coupled with expert faculty and the infusion of experiential learning opportunities, gives students the flexibility to explore different facets of health-related professions. This, combined with the core business skills a Bryant education provides, will equip students with a truly unique skill set enabling them to solve problems and be successful in multiple areas of the health industry.

The program coordinator and designated faculty mentors will provide the counseling required for students to select courses and explore career opportunities in this expansive and lucrative sector.

Students in the Health Sciences major will:

- Explain the socio-economic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities.
- Communicate effectively on a variety of topics related to health and health care.
- Demonstrate content knowledge in the health sciences.
- Describe the basic concepts, methods, and tools of public health data collection, use and analysis.
- Design a project that uses the fundamental concepts of program implementation including planning, assessment, and evaluation to address a public health challenge.
- Gain a comprehensive and holistic perspective of health which will prepare them to successfully enter a variety of health-related careers and gain acceptance to graduate programs.

Bachelor of Science Degree with a Major in Health Sciences Curriculum Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Health Science Degree Core Requirements		
SCI 251	Biology I Principles of Biology	3
SCI 265	Introductory Chemistry I	3
SCI 275	Introduction to Healthcare: Clinical and Business Perspectives	3
SCI 359	Artificial Intelligence (AI) in Healthcare	3
PSY 260	Introduction to Psychology	3
HS 390	Research Methods in Health Sciences	3
General Health Sciences Track Required Courses:		
SCI 252	Medical Terminology	1
SCI 383	Human Health and Disease	3
SCI 466	Global Health Challenges	3
Students within the General Health Science Track must complete the above required courses and at least four upper-level health sciences program electives listed from the below approved courses. At least one of the courses must be at the 400-level and two courses may be from either Neuroscience or Nutrition Track		
SCI 267	Introductory Chemistry II	3
SCI 360	Anatomy and Physiology I [1]	3
SCI 363	Genetics	3
SCI 365	Organic Chemistry I	3
SCI 374	Organic Chemistry II	3
SCI 377	Microbiology [1]	3
SCI 380	Anatomy and Physiology II [1]	3
SCI 381	Human Kinesiology	3
SCI 387	Functional Musculoskeletal Anatomy	3
SCI 470	Immunity and Disease	3
Neuroscience Track Required Courses:		
PSY 374	Introduction to Neuroscience	3
PSY 379	Neural Circuits and Systems	3
HS 401	Diseases and Disorders of the Nervous System	3
Students within the Neuroscience Track must complete the above listed required courses and at least three upper-level health sciences program electives listed under the below approved courses. At least one of the courses must be at the 400-level and one course may be a 3-credit course from either General Health Sciences or Nutrition Track.		
PSY 301	Sensation and Perception	3
PSY 355	Introduction to Psychopathology	3
PSY 360	Child and Adolescent Development	3
PSY 361	Adult Development and Aging	3
PSY 375	Health Psychology	3
PSY 401	Neurobiology of Learning and Memory	3
PSY 472	Child Psychopathology	3
PSY 483	Drugs and Behavior	3
Nutrition Track Required Courses:		
SCI 354	Fundamentals of Nutrition	3
SCI 367 or SCI 386	Biochemistry Sports Nutrition	3
SCI 383	Human Health and Disease	3
SCI 402	Current Topics in Nutrition	3
Students within the Nutrition Track must complete the above listed required courses and at least two upper-level health sciences program electives listed under the below approved courses. At least one of the courses within the track must be at the 400-level and one course may be a 3-credit course from either General Health Sciences or Neuroscience Track.		
PSY 375	Health Psychology	3
PSY 481	Exercise and Sport Psychology	3
SCI 352	Exercise Physiology	3
SCI 360	Anatomy and Physiology I	3
SCI 367	Biochemistry	3
SCI 380	Anatomy and Physiology II	3
SCI 382	Cell Biology and Molecular Genetics	3
SCI 386	Sports Nutrition	3
Suggested Degree OPEN Electives for Health Science Majors:		
COM 280	Foundations in Health Communication	3
COM 333	Public Health Communication: Advocacy and Action	3
COM 480	Advanced Health Communication Health Campaigns	3
ECO 464	Behavioral Economics and Applications	3
ECO 473	Economics of Health and Medical Care	3
HS 391	Health Sciences Internship	3

LGLS 383	Health Law	3
SOAN 355	Social Determinants of Health	3
Business Minor Requirement		

[1] Microbiology, as well as Anatomy & Physiology I and II, are required for physician assistant and nursing school applications, and are recommended for medical school and other related fields.

A minimum of 36/37 credits is required for the major depending on track

A minimum of 120 credit hours required for graduation.

Bachelor of Science with a Major in Health Informatics

Bachelor of Science with a Major in Health Informatics Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Health Informatics Major Requirements:

SCI 251	Biology I Principles of Biology	3
SCI 275	Introduction to Healthcare: Clinical and Business Perspectives	3
SCI 359	Artificial Intelligence (AI) in Healthcare	3
SCI 466	Global Health Challenges	3
or PSY 375	Health Psychology	
PSY 260	Introduction to Psychology	3
MATH 350	Statistics II	3
MATH 421	Statistical Analysis With R	3
ISA 221	Introduction to Programming	3
ISA 310	Data Visualization	3
ISA 330	Programming for Data Science	3
ISA 340	Introduction to Machine Learning	3
ISA 341	Database Management System Principles	3
ECO 473	Economics of Health and Medical Care	3
Choose one of the following:		
ISA 391	Information Systems and Analytics Internship	3
ISA 490	Data Science Capstone	3
College of Business or College of Arts and Science Minor Requirement		
Four courses required for the minor. Minor can be from either college [1]		3
Suggested Electives for Students in this major. [2]		

[1] Some minors may require more that 12 Credits.

[2] Suggested Elective Courses:
ECO 473, ECO 464, LGLS 383, SOC 352, COM 280, SCI 373, SCI 378, ISA 343 or ISA 460

A minimum of 42 credit hours is required for the major.

A minimum 120 credit hours required for graduation.

Department of Psychology

Major in Psychology

Psychology is the science of human behavior and mental processes. The Psychology major at Bryant University offers a strong theoretical foundation in psychology, while also emphasizing practical applications. Students engage in active research and scientific inquiry while acquiring real life experiences through various psychology courses, fieldwork, student/faculty-led research opportunities, and internships. Psychological principles are investigated and applied to a variety of domains including clinical settings, neuroscience, sports, legal systems, education, business, health promotion, decision-making, testing, the environment, and many others. Psychology majors are provided ongoing, individual academic advising and career guidance by a full-time Bryant psychology faculty member. Students will have the opportunity to work closely with psychology faculty freshman through senior year, culminating in the Senior Capstone experience of the internship or research seminars.

Psychology Concentration

The six-course psychology concentration enriches students understanding of the scientific study of behavior and mental processes. The concentration's breadth includes theoretical and applied aspects of psychology, as well as research-intensive course work. The value of a solid understanding of psychological principles and human behavior is evident, in that most careers require working with people in order to be successful.

Psychology Minor

The four-course psychology minor enhances students understanding of the scientific study of behavior and mental processes. The minor serves as an excellent complement to many majors and concentrations, as understanding people and psychological principles is critical to being successful in any career.

Faculty

Department Chair
Heather Lacey

Professor
Allison Butler

Professor
Ronald J. Deluga

Professor
Heather Lacey

Associate Professor
Kristin Scaplen

Assistant Professor
Melanie Maimon

Lecturer
Lindsay Amper

Lecturer
Damon Pryer

- **Bachelor of Science with a Major in Psychology (p. 128)**
- **Psychology Concentration (p. 132)**
- **Psychology Minor (p. 132)**

Courses

PSY 260. Introduction to Psychology. 3 Credit Hours.
This course will address the major principles, theories and research methods used to understand mental processing and behavior. An extensive survey of topics on human behavior across a variety of contexts will be made, as well as the ethical history and implications of the field.

PSY 263. Honors: Core Concepts in Psychology. 3 Credit Hours.
This course will address the major principles, theories and research methods used to understand mental processing and behavior. An extensive survey of topics on human behavior across a variety of contexts will be made, as well as the ethical history and implications of the field. Students will have the opportunity to contribute directly to the teaching of the course material. Students receiving credit for PSY 260, Introduction to Psychology, may not receive credit for this class.
Prerequisites: Honors Program.

PSY 301. Sensation and Perception. 3 Credit Hours.
This course introduces the biological and psychology processes through which we perceive and interpret the world around us. We will explore major sensory and motor systems by evaluating how sensory stimuli are transformed into meaningful signals to which the brain can interpret and respond. We will discuss the structures in the brain that process sensory information, how learning augments this process, and how these systems integrate information to construct stable representation of a variety of rich perceptual experiences.
Pre/Corequisites: PSY 374
Prerequisites: PSY 260, Sophomore Standing.

PSY 353. Psychology of Personality. 3 Credit Hours.
This course will examine the major historical and contemporary approaches to understanding personality and its development. Cross-cultural and gender influences on personality will be incorporated. Students will be expected to apply their understanding of personality theory to themselves, case studies and/or historical figures.
Prerequisites: PSY 260 or PSY 263.

PSY 355. Introduction to Psychopathology. 3 Credit Hours.
As an introduction to the processes and treatment of psychopathology, this course emphasizes contemporary approaches to understanding the causes and treatments of various psychological and psychiatric disorders.
Prerequisites: PSY 260 or PSY 263.

PSY 360. Child and Adolescent Development. 3 Credit Hours.
Human development is examined from the prenatal period through adolescence. Current research methods and relevant theories will be used to address the multiplicity of factors contributing to children's development.
Prerequisites: PSY 260 or PSY 263.

PSY 361. Adult Development and Aging. 3 Credit Hours.
The nature of psychological and physical change as well as stability throughout adulthood will be examined. A special emphasis is placed on understanding the experiences of aging individuals in the context of an aging society.
Prerequisites: PSY 260 or PSY 263.

PSY 362. Lifespan Development. 3 Credit Hours.
This course explores human development across the lifespan, highlighting how biological, psychological, social, and cultural factors shape growth and development. Students will examine major life stages—including infancy and childhood, adolescence, emerging adulthood, middle adulthood, and late adulthood—and connect core developmental theories to real-world contexts, considering the influence of family, culture, technology, and historical change. Through experiential projects, interactive lectures, and class discussions, students will apply developmental science to understand both individual differences and shared human experiences.
Prerequisites: PSY 260 Introduction to Psychology
Session Cycle: Alternate Spring Semesters.

PSY 365. Environmental Psychology. 3 Credit Hours.
This course uses an interdisciplinary perspective to investigate the role of the environment on behavior. Attributes of environmental settings which are associated with human performance and functioning will be analyzed.

Prerequisites: PSY 260 or PSY 263.

PSY 371. Applied Psychology. 3 Credit Hours.
In this overview course, the practical applications of psychological research to issues and problems facing the world will be addressed. Students will learn and be actively engaged in how psychological findings can be used in a large variety of contexts. These contexts include biomedical, educational, end user behavior, industrial/organizational, sports, legal system, physical surroundings, product design, aviation, animal training, paranormal phenomenon, elderly, and similar human factor environments.
Prerequisites: PSY 260 or PSY 263.

PSY 372. Positive Psychology. 3 Credit Hours.
This course focuses on the current findings from positive psychology including (1) antecedents of subjective well being happiness from birth through death (2) optimal human functioning and human excellence across the life span, (3) development of positive individual traits including virtue, interpersonal strength, self-determination, wisdom, altruism, optimism, and integrity, and (4) the study of collective or societal wellbeing.
Prerequisites: PSY 260 or PSY 263.

PSY 373. Cognitive Psychology. 3 Credit Hours.
This course is an overview of the primary areas within cognitive psychology. Topics include cognitive neuroscience, perception, attention, memory, language, mental imagery, categorization, decision-making and problem solving. Current, as well as classic theoretical perspectives and experiments, will be emphasized throughout the course.
Prerequisites: PSY 260 or PSY 263.

PSY 374. Introduction to Neuroscience. 3 Credit Hours.
This course provides a foundational overview of the structure and function of the human nervous system. Topics include the function of neurons and neural communication, the organization of the brain, sensory systems, and the neural basis of behavior. Students will explore how neurons process and transmit information, how brain regions are anatomically and functionally organized, and how neural systems contribute to perception, cognition, and behavior. Although the focus is on the human brain, comparative examples from animal research will be incorporated to illustrate key principles.
Prerequisites: PSY 260 or PSY 263.

PSY 375. Health Psychology. 3 Credit Hours.
This course is an overview of the primary areas within Health Psychology. These include an overview of the history of health psychology, methodological issues in health psychology research, the biopsychosocial model of health and illness, basic systems of the body, stress, illness, and coping, lifestyle enhancement and illness prevention, health promotion, dealing with chronic illness, proper utilization of the health care system, pain, life threatening health problems, and future issues for health psychology.
Prerequisites: PSY 260 or PSY 263.

PSY 376. Research Methods in Psychology. 3 Credit Hours.
This course is an introduction to experimental methods in psychology. The goals of this course are for you to learn how research is planned, carried out, communicated, and critiqued. This course will focus on developing general psychological research skills, including knowledge of experimental design, statistics, report writing, and ethical standards of research. In addition, this course will emphasize critical evaluation of scientific evidence. Mastery of the material covered should enable you to evaluate the adequacy of research findings reported by others, design research studies of their own, collect and analyze data, and write APA style research reports.
Pre/Corequisites: MATH 201
Prerequisites: PSY 260 or PSY 263.

PSY 377. Educational Psychology. 3 Credit Hours.
This course explores psychological principles, theories and methodologies as they apply to issues of teaching and learning in diverse educational and community settings. Topics covered include theories of learning and motivation, developmental characteristics of learners, individual differences, teacher behavior, assessment, and socio-cultural influences on learning and schooling.
Prerequisites: PSY 260 or PSY 263.

PSY 378. Industrial and Organization Psychology. 3 Credit Hours.
This course is an introduction to Industrial and Organizational (I/O) Psychology which focuses on human behavior in the workplace. I/O psychologists assist institutions in effectively hiring, managing, developing, and supporting employee careers. I/O psychologist efforts in aligning worker efforts with organizational needs contribute to the achievement of strategic goals. For employees, these goals include reduced turnover, increased productivity, enriched engagement, and enhanced subjective well-being.
Prerequisites: PSY 260 or PSY 263.

PSY 379. Neural Circuits and Systems. 3 Credit Hours.
This course will examine how neural circuits and systems function to produce sensation, action, and more complex behaviors, such as attention, executive function, language, emotion, motivation and sleep. We will also explore how disruptions to large-scale circuits or systems can result in mental illness. We will build on concepts learned in PSY374 and make use of modern methods and recent research in humans as well as animal models to inform our study.
Prerequisites: PSY 374 and Sophomore Standing.

PSY 386. Research Methods in Psychology II: Psychological Research and Statistics. 3 Credit Hours.
This course is the second course in the required research methods sequence for psychology majors, focusing on the design, implementation, and analysis of psychological research. Psychology students are expected to be well-versed in the conduct and interpretation of psychological research in preparation for further study at the graduate level, the workplace, and in life. This course will focus on the major subjects of research design, implementation, and data analysis and interpretation.
Prerequisites: PSY 260 or PSY 263 and Math 201 and PSY 376 and sophomore standing.

PSY 391. Psychology Internship. 3 Credit Hours.
Students engage in individually supervised work-study arrangements and learn to apply psychological theory and principles in a work environment (e.g., youth recreation center or mental health clinic). Students must work at least ten hours per week on the internship (120 hours minimum), meet periodically with a supervising faculty member, research literature related to the field of the internship, and prepare a substantive report on their internship experience and the studies involved. This course is limited to juniors and seniors and requires the approval of a supervising faculty member and the department chair.
Prerequisites: PSY 260 or PSY 263.

PSY 401. Neurobiology of Learning and Memory. 3 Credit Hours.
This course will offer an opportunity to explore the field's current understanding of learning and memory processes gained largely from both human and animal research. We will discuss how science is performed, learning is measured, and memory is studied. Comparisons will be made between different types of learning and a variety of memory systems. We will evaluate the mechanisms that are thought to underlie these processes and how they can be disrupted.
Prerequisites: PSY 260 and PSY 374.

PSY 402. Human Bots: The Intersection of Artificial and Human Intelligence. 3 Credit Hours.
This course explores the relationship between human cognition and artificial intelligence, focusing on how AI systems support, extend, or complicate human thinking. Students will examine essential topics in human memory, attention, decision-making, and problem solving, alongside foundational concepts in contemporary AI. Emphasis is placed on comparing the strengths and limitations of human and machine intelligence, evaluating the cognitive and ethical risks of AI-assisted judgment, and developing best practices for responsible human–AI collaboration. Through case studies, hands-on activities, and critical analysis, students will gain the skills needed to understand and navigate the expanding role of AI in personal, academic, and professional contexts.

Pre/Corequisites: PSY 260: Introduction to Psychology and Junior Standing
Session Cycle: Every Fall Semester.

PSY 440. The Design Thinking Process. 3 Credit Hours.
In this hands-on course, you will have an opportunity to learn and apply the design thinking process while simultaneously developing an understanding of the psychological (cognitive, behavioral) principles that underlie innovative thinking, problem-solving, and gamification. This course builds explicitly upon the introduction to design thinking that you received during the IDEA program. We will learn how design thinkers embrace a "test and learn" and "build to think" philosophy toward innovation.
Prerequisites: IDEA 101 and either PSY 260 or MGT 302.

PSY 465. Cross-Cultural Psychology. 3 Credit Hours.
This course involves an in-depth examination of culture's role in socialization and behavior. The rationale and methodology of cross-cultural psychology are extensively addressed early in the semester. Thereafter, specific topics such as life transitions or cognitive styles are analyzed in a seminar format.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 470. Social Psychology. 3 Credit Hours.
This course examines the factors impacting human relationships. Emphasis is placed on interpersonal attraction, attitude formation, social perception and cognition, altruism, aggression, small group behavior, and social identity and influence.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 471. Gender in Childhood. 3 Credit Hours.
In this course the meaning of gender and how it shapes children's experiences, perceptions, identities, and behavior will be addressed. The confluence of biology and socio-cultural factors on gender development will be considered. A variety of research approaches will be discussed as well as used by students.
Prerequisites: PSY 260 or PSY 263 and Junior standing.

PSY 472. Child Psychopathology. 3 Credit Hours.
This course will focus on major forms of atypical development in childhood and adolescence. Students will learn about the defining characteristics, possible causes, diagnosis, theoretical formulations, research evidence, and current approaches to intervention and prevention for child and adolescent disorders. These include behavioral disorders, mood disorders, developmental and learning problems, and problems related to physical and mental health. Psychopathology will be examined within the context of normal developmental processes and the larger systems in which children live.
Prerequisites: PSY 260 or PSY 263 and sophomore standing.

PSY 480. Counseling Theory and Practice. 3 Credit Hours.
This course reviews the major contemporary theories and techniques of counseling. Students have opportunities to observe counseling situations and to practice counseling techniques. Cross-cultural issues will be addressed.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 481. Exercise and Sport Psychology. 3 Credit Hours.
Exercise and Sport Psychology is the field of study whereby the educational, research, and professional contributions of psychology are used to promote, enhance, and maintain exercise and sport behavior across the lifespan. The course will emphasize the practical applications of these principles.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 482. Forensic Psychology. 3 Credit Hours.
This course is an introduction to the field of forensic psychology. Its content coverage will include the examination of the current issues, theories, and interface between psychology and the legal system. Students will explore a range of topics including criminal profiling, the reliability of hypnosis, lie detection, eyewitness testimony, trial preparation and jury selection, the insanity defense, domestic violence and sexual abuse cases, and death penalty trials and appeals.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 483. Drugs and Behavior. 3 Credit Hours.
This course is an overview of the primary topics related to understanding drugs and their effects on human behavior. Topics include historical and methodological perspectives, basic principles of drug action, basic neurobiology, and the physiological and behavioral effects of drug use and abuse, including stimulants, depressants, narcotics, hallucinogens, designer drugs, inhalants, alcohol, tobacco, and caffeine. The course will also cover the psychopharmacology and behavioral effects of prescription psychiatric medications, including anti-depressants, anti-psychotics, anxioloytics, mood stabilizers, and hypnotics (sleep agents). Additional readings and exercises will be assigned to enhance exposure to various topics beyond the text. Current as well as classic theoretical perspectives will be emphasized throughout the course.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 484. Psychological Testing and Assessment. 3 Credit Hours.
This course explores the goals and principles of psychological and educational assessment. Topics covered include the fundamentals of measurement theory and testing-related statistics; test construction and administration; and a review of the major types of psychological and educational tests. Contemporary issues in assessment such as bias, laws, and ethical concerns will also be discussed.
Prerequisites: PSY 260 or PSY 263 and MATH 201 and junior standing.

PSY 486. Judgement and Decision Making. 3 Credit Hours.
This course will examine the research on human judgment and decision making, and will explore the influence of these proceses in real-life areas such as health decisions, financial decisions, legal judgment, political decisions, and personal relationship choices.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 490. Senior Research Seminar. 3 Credit Hours.
In this course, students will integrate the knowledge they have accumulated in their first three years as an applied psychology major through the development and investigation of their own applied psychology hypothesis. In collaboration with the instructor and with their classmates, students will proceed through the stages of research from hypothesis development, to literature review, to proposing their research methods, to data collection, with the project culminating in written and oral presentations of their findings. Additionally, students will have the opportunity to influence their classmates' projects, and have them influence their project, as they discuss and evaluate each other's work. After completing the course, students will be qualified to evaluate others' research as well as conduct their own research, a skill crucial to many applied psychology careers.
Prerequisites: PSY 260 or PSY 263, PSY 371, PSY 376, Applied Psychology major, senior standing or permission of the instructor.

PSY 491. Senior Internship Seminar. 3 Credit Hours.
This course will serve to integrate and apply knowledge derived from prior coursework. This course has two major components: the field placement and the classroom seminar. The field placements are expected to be diverse and selected based on student interest and preparation. The seminar portion of the course will involve faculty lectures, class exercises, student-to-student discussions and written assignments based on assigned reading materials and field experiences.
Prerequisites: PSY 260 or PSY 263, PSY 376, Psychology major, senior standing or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

PSY 497. Directed Study in Psychology. 3 Credit Hours.
This course involves independent and in-depth study of a specific topic in psychology. Students work on an individually supervised research project with a member of the psychology faculty. Instructor and department chair permission is required.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY ST385. Special Topic: Head, Hand, and Hertford Programme in Leadership Innovation. 3 Credit Hours.
Travel to Oxford to participate in the Head, Hand, and Hertford Programme at Hertford College. Students study in residence at historic Oxford for two weeks, where they will develop skills in leadership, communication, and innovation alongside Oxford students. Within a rigorous academic environment, this program is led by Hertford College Principal Tom Fletcher. Students participate in workshops taught mostly by Oxford faculty. Through an engaging one-of-kind cultural immersion program, students will build upon skills that they have learned at Bryant to take their leadership skills to the next level. With an enhanced global perspective, appreciation for sociohistorical context, and personal growth and character development, students will leave this course with the intellectual and practical skills of a truly innovative leader.

Bachelor of Science with a Major in Psychology

Psychology Major Objectives

Psychological study is complemented by business knowledge through the completion of a minor in business administration. The combination of a solid background in theoretical and applied psychology plus exposure to core business courses prepares students for either entry-level careers or graduate study.

Students in the Psychology major will:

- Improve your knowledge base in psychological concepts and principles.
- Understand the methods and purpose of scientific inquiry and critical thinking.
- Apply psychological principles ethically and socially responsibly in a diverse world.
- Effectively communicate psychological principles and concepts.
- Understand and engage in professional development.

Bachelor of Science with a Major in Psychology Degree Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Psychology Major Requirements:

Foundational Courses		
Required Courses:		
PSY 260	Introduction to Psychology	3
or PSY 263	Honors: Core Concepts in Psychology	
PSY 376	Research Methods in Psychology	3
PSY 386	Research Methods in Psychology II: Psychological Research and Statistics	3
Capstone Course		
PSY 490	Senior Research Seminar	3
or PSY 491	Senior Internship Seminar	
Foundational Perspectives *		
Students must take at least one course from each of the 5 Foundational Perspectives		
Developmental Perspective		
PSY 360	Child and Adolescent Development	3
PSY 361	Adult Development and Aging	3
Social and Cultural Perspective		
PSY 465	Cross-Cultural Psychology	3
PSY 470	Social Psychology	3
Cognition and Learning Perspective		
PSY 373	Cognitive Psychology	3
PSY 377	Educational Psychology	3
PSY 486	Judgement and Decision Making	3
Biological Perspective		
PSY 374	Introduction to Neuroscience	3
PSY 375	Health Psychology	3
PSY 483	Drugs and Behavior	3
Clinical Perspective		
PSY 355	Introduction to Psychopathology	3
PSY 472	Child Psychopathology	3
PSY 480	Counseling Theory and Practice	3
Psychology Electives *		
3 Psychology elective courses can be taken from any remaining courses in the Perspectives above or from any of the courses below.		
PSY 353	Psychology of Personality	3
PSY 365	Environmental Psychology	3
PSY 371	Applied Psychology	3
PSY 372	Positive Psychology	3
PSY 378	Industrial and Organization Psychology	3
PSY 391	Psychology Internship	3
PSY/MGT 440	The Design Thinking Process	3
PSY 471	Gender in Childhood	3
PSY 481	Exercise and Sport Psychology	3
PSY 482	Forensic Psychology	3
PSY 484	Psychological Testing and Assessment	3
PSY 497	Directed Study in Psychology	3
PSY ST385	Special Topic: Head, Hand, and Hertford Programme in Leadership Innovation	3
*At least 3 courses from the Foundational Perspectives and the Electives must be taken at the 400 level.		
Business Minor Requirement		
Electives		

A minimum of 36 credits is required for the major.

A minimum 120 credit hours is required for the degree for graduation.

Courses

PSY 260. Introduction to Psychology. 3 Credit Hours.
This course will address the major principles, theories and research methods used to understand mental processing and behavior. An extensive survey of topics on human behavior across a variety of contexts will be made, as well as the ethical history and implications of the field.

PSY 263. Honors: Core Concepts in Psychology. 3 Credit Hours.
This course will address the major principles, theories and research methods used to understand mental processing and behavior. An extensive survey of topics on human behavior across a variety of contexts will be made, as well as the ethical history and implications of the field. Students will have the opportunity to contribute directly to the teaching of the course material. Students receiving credit for PSY 260, Introduction to Psychology, may not receive credit for this class.
Prerequisites: Honors Program.

PSY 301. Sensation and Perception. 3 Credit Hours.
This course introduces the biological and psychology processes through which we perceive and interpret the world around us. We will explore major sensory and motor systems by evaluating how sensory stimuli are transformed into meaningful signals to which the brain can interpret and respond. We will discuss the structures in the brain that process sensory information, how learning augments this process, and how these systems integrate information to construct stable representation of a variety of rich perceptual experiences.
Pre/Corequisites: PSY 374
Prerequisites: PSY 260, Sophomore Standing.

PSY 353. Psychology of Personality. 3 Credit Hours.
This course will examine the major historical and contemporary approaches to understanding personality and its development. Cross-cultural and gender influences on personality will be incorporated. Students will be expected to apply their understanding of personality theory to themselves, case studies and/or historical figures.
Prerequisites: PSY 260 or PSY 263.

PSY 355. Introduction to Psychopathology. 3 Credit Hours.
As an introduction to the processes and treatment of psychopathology, this course emphasizes contemporary approaches to understanding the causes and treatments of various psychological and psychiatric disorders.
Prerequisites: PSY 260 or PSY 263.

PSY 360. Child and Adolescent Development. 3 Credit Hours.
Human development is examined from the prenatal period through adolescence. Current research methods and relevant theories will be used to address the multiplicity of factors contributing to children's development.
Prerequisites: PSY 260 or PSY 263.

PSY 361. Adult Development and Aging. 3 Credit Hours.
The nature of psychological and physical change as well as stability throughout adulthood will be examined. A special emphasis is placed on understanding the experiences of aging individuals in the context of an aging society.
Prerequisites: PSY 260 or PSY 263.

PSY 362. Lifespan Development. 3 Credit Hours.
This course explores human development across the lifespan, highlighting how biological, psychological, social, and cultural factors shape growth and development. Students will examine major life stages—including infancy and childhood, adolescence, emerging adulthood, middle adulthood, and late adulthood—and connect core developmental theories to real-world contexts, considering the influence of family, culture, technology, and historical change. Through experiential projects, interactive lectures, and class discussions, students will apply developmental science to understand both individual differences and shared human experiences.
Prerequisites: PSY 260 Introduction to Psychology
Session Cycle: Alternate Spring Semesters.

PSY 365. Environmental Psychology. 3 Credit Hours.
This course uses an interdisciplinary perspective to investigate the role of the environment on behavior. Attributes of environmental settings which are associated with human performance and functioning will be analyzed.

Prerequisites: PSY 260 or PSY 263.

PSY 371. Applied Psychology. 3 Credit Hours.
In this overview course, the practical applications of psychological research to issues and problems facing the world will be addressed. Students will learn and be actively engaged in how psychological findings can be used in a large variety of contexts. These contexts include biomedical, educational, end user behavior, industrial/organizational, sports, legal system, physical surroundings, product design, aviation, animal training, paranormal phenomenon, elderly, and similar human factor environments.
Prerequisites: PSY 260 or PSY 263.

PSY 372. Positive Psychology. 3 Credit Hours.
This course focuses on the current findings from positive psychology including (1) antecedents of subjective well being happiness from birth through death (2) optimal human functioning and human excellence across the life span, (3) development of positive individual traits including virtue, interpersonal strength, self-determination, wisdom, altruism, optimism, and integrity, and (4) the study of collective or societal wellbeing.
Prerequisites: PSY 260 or PSY 263.

PSY 373. Cognitive Psychology. 3 Credit Hours.
This course is an overview of the primary areas within cognitive psychology. Topics include cognitive neuroscience, perception, attention, memory, language, mental imagery, categorization, decision-making and problem solving. Current, as well as classic theoretical perspectives and experiments, will be emphasized throughout the course.
Prerequisites: PSY 260 or PSY 263.

PSY 374. Introduction to Neuroscience. 3 Credit Hours.
This course provides a foundational overview of the structure and function of the human nervous system. Topics include the function of neurons and neural communication, the organization of the brain, sensory systems, and the neural basis of behavior. Students will explore how neurons process and transmit information, how brain regions are anatomically and functionally organized, and how neural systems contribute to perception, cognition, and behavior. Although the focus is on the human brain, comparative examples from animal research will be incorporated to illustrate key principles.
Prerequisites: PSY 260 or PSY 263.

PSY 375. Health Psychology. 3 Credit Hours.
This course is an overview of the primary areas within Health Psychology. These include an overview of the history of health psychology, methodological issues in health psychology research, the biopsychosocial model of health and illness, basic systems of the body, stress, illness, and coping, lifestyle enhancement and illness prevention, health promotion, dealing with chronic illness, proper utilization of the health care system, pain, life threatening health problems, and future issues for health psychology.
Prerequisites: PSY 260 or PSY 263.

PSY 376. Research Methods in Psychology. 3 Credit Hours.
This course is an introduction to experimental methods in psychology. The goals of this course are for you to learn how research is planned, carried out, communicated, and critiqued. This course will focus on developing general psychological research skills, including knowledge of experimental design, statistics, report writing, and ethical standards of research. In addition, this course will emphasize critical evaluation of scientific evidence. Mastery of the material covered should enable you to evaluate the adequacy of research findings reported by others, design research studies of their own, collect and analyze data, and write APA style research reports.
Pre/Corequisites: MATH 201
Prerequisites: PSY 260 or PSY 263.

PSY 377. Educational Psychology. 3 Credit Hours.
This course explores psychological principles, theories and methodologies as they apply to issues of teaching and learning in diverse educational and community settings. Topics covered include theories of learning and motivation, developmental characteristics of learners, individual differences, teacher behavior, assessment, and socio-cultural influences on learning and schooling.
Prerequisites: PSY 260 or PSY 263.

PSY 378. Industrial and Organization Psychology. 3 Credit Hours.
This course is an introduction to Industrial and Organizational (I/O) Psychology which focuses on human behavior in the workplace. I/O psychologists assist institutions in effectively hiring, managing, developing, and supporting employee careers. I/O psychologist efforts in aligning worker efforts with organizational needs contribute to the achievement of strategic goals. For employees, these goals include reduced turnover, increased productivity, enriched engagement, and enhanced subjective well-being.
Prerequisites: PSY 260 or PSY 263.

PSY 379. Neural Circuits and Systems. 3 Credit Hours.
This course will examine how neural circuits and systems function to produce sensation, action, and more complex behaviors, such as attention, executive function, language, emotion, motivation and sleep. We will also explore how disruptions to large-scale circuits or systems can result in mental illness. We will build on concepts learned in PSY374 and make use of modern methods and recent research in humans as well as animal models to inform our study.
Prerequisites: PSY 374 and Sophomore Standing.

PSY 386. Research Methods in Psychology II: Psychological Research and Statistics. 3 Credit Hours.
This course is the second course in the required research methods sequence for psychology majors, focusing on the design, implementation, and analysis of psychological research. Psychology students are expected to be well-versed in the conduct and interpretation of psychological research in preparation for further study at the graduate level, the workplace, and in life. This course will focus on the major subjects of research design, implementation, and data analysis and interpretation.
Prerequisites: PSY 260 or PSY 263 and Math 201 and PSY 376 and sophomore standing.

PSY 391. Psychology Internship. 3 Credit Hours.
Students engage in individually supervised work-study arrangements and learn to apply psychological theory and principles in a work environment (e.g., youth recreation center or mental health clinic). Students must work at least ten hours per week on the internship (120 hours minimum), meet periodically with a supervising faculty member, research literature related to the field of the internship, and prepare a substantive report on their internship experience and the studies involved. This course is limited to juniors and seniors and requires the approval of a supervising faculty member and the department chair.
Prerequisites: PSY 260 or PSY 263.

PSY 401. Neurobiology of Learning and Memory. 3 Credit Hours.
This course will offer an opportunity to explore the field's current understanding of learning and memory processes gained largely from both human and animal research. We will discuss how science is performed, learning is measured, and memory is studied. Comparisons will be made between different types of learning and a variety of memory systems. We will evaluate the mechanisms that are thought to underlie these processes and how they can be disrupted.
Prerequisites: PSY 260 and PSY 374.

PSY 402. Human Bots: The Intersection of Artificial and Human Intelligence. 3 Credit Hours.
This course explores the relationship between human cognition and artificial intelligence, focusing on how AI systems support, extend, or complicate human thinking. Students will examine essential topics in human memory, attention, decision-making, and problem solving, alongside foundational concepts in contemporary AI. Emphasis is placed on comparing the strengths and limitations of human and machine intelligence, evaluating the cognitive and ethical risks of AI-assisted judgment, and developing best practices for responsible human–AI collaboration. Through case studies, hands-on activities, and critical analysis, students will gain the skills needed to understand and navigate the expanding role of AI in personal, academic, and professional contexts.

Pre/Corequisites: PSY 260: Introduction to Psychology and Junior Standing
Session Cycle: Every Fall Semester.

PSY 440. The Design Thinking Process. 3 Credit Hours.
In this hands-on course, you will have an opportunity to learn and apply the design thinking process while simultaneously developing an understanding of the psychological (cognitive, behavioral) principles that underlie innovative thinking, problem-solving, and gamification. This course builds explicitly upon the introduction to design thinking that you received during the IDEA program. We will learn how design thinkers embrace a "test and learn" and "build to think" philosophy toward innovation.
Prerequisites: IDEA 101 and either PSY 260 or MGT 302.

PSY 465. Cross-Cultural Psychology. 3 Credit Hours.
This course involves an in-depth examination of culture's role in socialization and behavior. The rationale and methodology of cross-cultural psychology are extensively addressed early in the semester. Thereafter, specific topics such as life transitions or cognitive styles are analyzed in a seminar format.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 470. Social Psychology. 3 Credit Hours.
This course examines the factors impacting human relationships. Emphasis is placed on interpersonal attraction, attitude formation, social perception and cognition, altruism, aggression, small group behavior, and social identity and influence.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 471. Gender in Childhood. 3 Credit Hours.
In this course the meaning of gender and how it shapes children's experiences, perceptions, identities, and behavior will be addressed. The confluence of biology and socio-cultural factors on gender development will be considered. A variety of research approaches will be discussed as well as used by students.
Prerequisites: PSY 260 or PSY 263 and Junior standing.

PSY 472. Child Psychopathology. 3 Credit Hours.
This course will focus on major forms of atypical development in childhood and adolescence. Students will learn about the defining characteristics, possible causes, diagnosis, theoretical formulations, research evidence, and current approaches to intervention and prevention for child and adolescent disorders. These include behavioral disorders, mood disorders, developmental and learning problems, and problems related to physical and mental health. Psychopathology will be examined within the context of normal developmental processes and the larger systems in which children live.
Prerequisites: PSY 260 or PSY 263 and sophomore standing.

PSY 480. Counseling Theory and Practice. 3 Credit Hours.
This course reviews the major contemporary theories and techniques of counseling. Students have opportunities to observe counseling situations and to practice counseling techniques. Cross-cultural issues will be addressed.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 481. Exercise and Sport Psychology. 3 Credit Hours.
Exercise and Sport Psychology is the field of study whereby the educational, research, and professional contributions of psychology are used to promote, enhance, and maintain exercise and sport behavior across the lifespan. The course will emphasize the practical applications of these principles.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 482. Forensic Psychology. 3 Credit Hours.
This course is an introduction to the field of forensic psychology. Its content coverage will include the examination of the current issues, theories, and interface between psychology and the legal system. Students will explore a range of topics including criminal profiling, the reliability of hypnosis, lie detection, eyewitness testimony, trial preparation and jury selection, the insanity defense, domestic violence and sexual abuse cases, and death penalty trials and appeals.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 483. Drugs and Behavior. 3 Credit Hours.
This course is an overview of the primary topics related to understanding drugs and their effects on human behavior. Topics include historical and methodological perspectives, basic principles of drug action, basic neurobiology, and the physiological and behavioral effects of drug use and abuse, including stimulants, depressants, narcotics, hallucinogens, designer drugs, inhalants, alcohol, tobacco, and caffeine. The course will also cover the psychopharmacology and behavioral effects of prescription psychiatric medications, including anti-depressants, anti-psychotics, anxioloytics, mood stabilizers, and hypnotics (sleep agents). Additional readings and exercises will be assigned to enhance exposure to various topics beyond the text. Current as well as classic theoretical perspectives will be emphasized throughout the course.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 484. Psychological Testing and Assessment. 3 Credit Hours.
This course explores the goals and principles of psychological and educational assessment. Topics covered include the fundamentals of measurement theory and testing-related statistics; test construction and administration; and a review of the major types of psychological and educational tests. Contemporary issues in assessment such as bias, laws, and ethical concerns will also be discussed.
Prerequisites: PSY 260 or PSY 263 and MATH 201 and junior standing.

PSY 486. Judgement and Decision Making. 3 Credit Hours.
This course will examine the research on human judgment and decision making, and will explore the influence of these proceses in real-life areas such as health decisions, financial decisions, legal judgment, political decisions, and personal relationship choices.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 490. Senior Research Seminar. 3 Credit Hours.
In this course, students will integrate the knowledge they have accumulated in their first three years as an applied psychology major through the development and investigation of their own applied psychology hypothesis. In collaboration with the instructor and with their classmates, students will proceed through the stages of research from hypothesis development, to literature review, to proposing their research methods, to data collection, with the project culminating in written and oral presentations of their findings. Additionally, students will have the opportunity to influence their classmates' projects, and have them influence their project, as they discuss and evaluate each other's work. After completing the course, students will be qualified to evaluate others' research as well as conduct their own research, a skill crucial to many applied psychology careers.
Prerequisites: PSY 260 or PSY 263, PSY 371, PSY 376, Applied Psychology major, senior standing or permission of the instructor.

PSY 491. Senior Internship Seminar. 3 Credit Hours.
This course will serve to integrate and apply knowledge derived from prior coursework. This course has two major components: the field placement and the classroom seminar. The field placements are expected to be diverse and selected based on student interest and preparation. The seminar portion of the course will involve faculty lectures, class exercises, student-to-student discussions and written assignments based on assigned reading materials and field experiences.
Prerequisites: PSY 260 or PSY 263, PSY 376, Psychology major, senior standing or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

PSY 497. Directed Study in Psychology. 3 Credit Hours.
This course involves independent and in-depth study of a specific topic in psychology. Students work on an individually supervised research project with a member of the psychology faculty. Instructor and department chair permission is required.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY ST385. Special Topic: Head, Hand, and Hertford Programme in Leadership Innovation. 3 Credit Hours.
Travel to Oxford to participate in the Head, Hand, and Hertford Programme at Hertford College. Students study in residence at historic Oxford for two weeks, where they will develop skills in leadership, communication, and innovation alongside Oxford students. Within a rigorous academic environment, this program is led by Hertford College Principal Tom Fletcher. Students participate in workshops taught mostly by Oxford faculty. Through an engaging one-of-kind cultural immersion program, students will build upon skills that they have learned at Bryant to take their leadership skills to the next level. With an enhanced global perspective, appreciation for sociohistorical context, and personal growth and character development, students will leave this course with the intellectual and practical skills of a truly innovative leader.

Psychology Concentration

Psychology Concentration Objectives

Students in the Psychology concentration will:

- Knowledge Base: describe key concepts, principles and overarching themes in psychology; develop a working knowledge of psychology's content domains; and describe applications of psychology.
- Scientific Inquiry and Critical Thinking: use reasoning to interpret psychological phenomena; demonstrate psychology information literacy; engage in innovative and integrative thinking and problem solving; interpret, design, and conduct basic psychological research; and incorporate sociocultural factors in scientific inquiry.
- Ethical & Social Responsibility in a Diverse World: apply ethical standards to evaluate psychological science and practice; build and enhance interpersonal relationships; and adopt values that build community at local, national, and global levels.
- Communication: demonstrate effective writing for different presentation purposes; exhibit effective presentation skills for different purposes; and interact effectively with others.
- Professional Development: apply psychological content and skills to career goals; exhibit self-efficacy and self-regulation; refine project-management skills; enhance teamwork capacity; and develop meaningful professional direction for life after graduation.

Students in the Psychology concentration will take:

Foundational Course		
PSY 260	Introduction to Psychology	3
or PSY 263	Honors: Core Concepts in Psychology	
Foundational Perspective Courses		
Students must take at least one course from 3 of the 5 Foundational Perspectives:		
Developmental Perspective		
PSY 360	Child and Adolescent Development	3
PSY 361	Adult Development and Aging	3
Social and Cultural Context Perspective		
PSY 465	Cross-Cultural Psychology	3
PSY 470	Social Psychology	3
Cognition and Learning Perspective		
PSY 373	Cognitive Psychology	3
PSY 377	Educational Psychology	3
PSY 486	Judgement and Decision Making	3
Biological Perspective		
PSY 374	Introduction to Neuroscience	3
PSY 375	Health Psychology	3
PSY 483	Drugs and Behavior	3
Clinical Perspective		
PSY 355	Introduction to Psychopathology	3
PSY 472	Child Psychopathology	3
PSY 480	Counseling Theory and Practice	3
Two Elective Courses		**6**
Electives can be taken from any remaining courses in the Perspectives above or from any of the courses listed below:		
PSY 353	Psychology of Personality	3
PSY 365	Environmental Psychology *	3
PSY 371	Applied Psychology *	3
PSY 372	Positive Psychology *	3
PSY 376	Research Methods in Psychology *	3
PSY 378	Industrial and Organization Psychology	3
PSY 386	Research Methods in Psychology II: Psychological Research and Statistics *	3
PSY 391	Psychology Internship	3
PSY/MGT 440	The Design Thinking Process *	3
PSY 471	Gender in Childhood *	3
PSY 481	Exercise and Sport Psychology	3
PSY 482	Forensic Psychology	3
PSY 484	Psychological Testing and Assessment *	3
PSY 497	Directed Study in Psychology	3
PSY ST385	Special Topic: Head, Hand, and Hertford Programme in Leadership Innovation	3

A minimum of 18 credit hours is required for the concentration.

[1] At least two (2) courses must be taken at the 400 level.
[2] At least one (1) course must be research intensive, as designated by *
[3] No more than one (1) course can be transferred from another institution.

Psychology Minor

Psychology Minor Requirements:

Students in the Psychology minor will take:

PSY 260	Introduction to Psychology	3
or PSY 263	Honors: Core Concepts in Psychology	
Two psychology electives		6
One 400-level psychology elective		3
Note: Only one transfer course may apply to the Psychology minor and it cannot be at the 400 level		

A minimum of 12 credit hours is required for the minor.

College of Humanities and Social Sciences

The College of Humanities and Social Sciences at Bryant University fosters the development of ethical, global citizens driven by empathy, curiosity, and collaboration. The college promotes intellectual discovery, creativity, and critical thinking to prepare students to contribute personally and professionally to their communities.

Undergraduate Degree Programs

The College of Humanities and Social Sciences offers two degrees:

- **Bachelor of Science**, with majors in Actuarial Mathematics, Applied Mathematics and Statistics, Business Economics, Communication, and Digital Communication.
- **Bachelor of Arts**, with majors in Arts and Creative Industries, History, Literary and Cultural Studies, Politics and Law, Sociology and Anthropology, Spanish, and Sports Industries, Media, and Promotion.

All Humanities and Social Sciences students complete a business minor and may elect to take additional business courses.

Please refer to the minors' section of the catalog

Business minors (p. 207)

This fully integrated curriculum helps students understand and apply finance, management, and marketing principles, providing practical skills that complement a liberal arts education. Liberal arts students are challenged to expand critical thinking skills, take a global perspective, build intellectual capabilities, and enhance practical skills.

Mission

The faculty and students of the College of Humanities and Social Sciences share the commitment to advancing the study and practice of the humanities, social sciences, mathematics, and the natural and applied sciences. We fulfill our commitment through teaching, scholarship, creative work, and outreach. In faculty and student research, we generate new knowledge. In our teaching, publications, presentations to peers, and engagements with private and public organizations, we disseminate and share our knowledge.

- The College provides a balanced education for every Bryant student in the core liberal arts areas of the humanities, social sciences, mathematics, and both the natural and applied sciences.
- The College creates and offers advanced programs – minors, concentrations, and majors – that reflect the interests of Bryant students as well as the complexity of the world into which they will graduate. The College stresses pedagogical approaches that provide students the opportunity to engage in exploration of the world, and to think clearly in contexts marked by uncertainty.
- The College offers degree programs designed to prepare students for advanced study, as well as for application in meaningful ways.
- The College fosters adherence to the highest standards of ethical conduct and personal responsibility.
- The College fosters commitment to social responsibility. The faculty encourage academic excellence both by serving as role models in the best teacher/scholar tradition, and by sharing with students a commitment to diversity and an engagement in civic and professional service.
- The College is committed to its faculty and students. The College expects and strongly supports excellence in teaching, service, scholarship, and creative work.

Learning Goals

The College of Humanities and Social Sciences has defined the following areas of knowledge, skill building, and personal development as the framework of essential learning outcomes we ask our students to develop and demonstrate in the course of meeting their general education requirements.

- Knowledge of human culture and traditions, creative activity, and the natural world as explained through the humanities, social sciences, and mathematical science
- Facility with both written and oral communication
- The skills of critical inquiry and creative problem solving
- Quantitative literacy
- Social responsibility, personal integrity, and civic engagement
- Capability for ethical reasoning and action

Learning goals for individual programmatic majors, concentrations, and minors in the College of Humanities and Social Sciences are set out within each program.

The programs of study for degrees (except Actuarial Mathematics) require 122 credit hours of coursework. Completion of the Actuarial Mathematics program requires 124 credit hours of study. Typically, programs in the Bachelor of Arts degree program require 30 credit hours of coursework for completion of the major. Programs under the Bachelor of Science degree program typically require 36 hours of coursework in the major. The core and distribution requirements under the Bachelor of Science degree give greater emphasis to development of mathematical skills and research methodologies.

College of Humanities and Social Science Departments and Degree Requirements

The curriculum requirements are designed to assist students in the development of their academic plan. The undergraduate curriculum comprises lower division and upper division courses, integrating liberal arts and business disciplines into a coherent academic program. Inherent in this design is the sequencing of courses that develops a core of foundation and introductory level courses. Thus, the freshman and sophomore years are focused on preparing students for more in-depth study in the upper division courses. In the junior and senior years, students take courses to fully develop their majors, concentrations and minors, as well as higher level business and liberal arts coursework.

Students work in concert with their advisors – professional academic advisors and departmental advisors – to plan their academic coursework and integrate course sequencing into the many facets of their overall educational plan.

The curriculum requirements for each major/concentration/minor are listed with their respective academic department.

Department of Communication, Media and Sports Industries

The Department of Communication, Media, and Sports Industries prepares students to think critically, communicate strategically, and act ethically across the sectors that shape public life. Our programs

span communication, digital strategy, public relations, media and entertainment, and sports industries, giving students the conceptual knowledge and practical skills to succeed as professionals and practitioners. Students develop through a curriculum that integrates research, applied coursework, and experiential learning. They engage with real problems, build individual strengths, and graduate with the communication fluency, ethical judgment, and digital literacy to lead, advocate, and create across public and private sectors.

- **Communication**
- **Digital Communication (p. 143)**
- **Language Studies (p. 144)**
- **Sports Industries, Media, and Promotion**

Faculty

Department Chair
Chris R. Morse
Communication/Digital Communication

Professor
Chris R. Morse
Communication/Digital Communication

Associate Professor
Cedric Oliva
Language Studies

Associate Professor
Kevin Pearce
Communication/Digital Communication

Associate Professor
Julie Volkman
Communication/Digital Communication

Assistant Professor
Emi Kanemoto
Communication/Digital Communication

Assistant Professor
Jerrica Ty Rowlett
Communication/Digital Communication

Senior Lecturer
Patricia Gomez
Language Studies

Senior Lecturer
Thomas Zammarelli
Communication/Digital Communication

Lecturer
Mary Ann Gallo
Communication/Digital Communication

Lecturer
Pam Glennon

Lecturer
Mary Robins
Communication/Digital Communication

Lecturer
Zhongyuan Williams
Language Studies

Lecturer
Cindy Zdravkovic
Communication/Digital Communication

Comm. and Language Studies Courses

CLS 391. Communication and Language Studies Internship. 3 Credit Hours.
Supervised experiential engagement in the area of Communication, Media, and Sports Industries, allowing students to connect Communication, Media, and Sports Industry concepts with hands-on projects in professional settings. Students contribute at least ten hours per week at their placement site and check in regularly with a faculty supervisor. Open to Sophomores, Juniors, and Seniors with department chair approval.
Prerequisites: Approval of a supervising faculty member or the department chair
Session Cycle: Every Semester.

Communication Courses

COM 101. Health Communication, Identity and Sport. 3 Credit Hours.
This course will focus on the relationships between health communication and public health concepts surrounding athletes, mental health and identity. Topics that will be focused on include the unique aspects in sport that impact the health/identity issues amongst college athletes, the challenges and opportunities to communicate mental health, how sport impacts perceptions, how identity is impacted by collegiate athletics, and how health and wellness is represented in the communication, participation and promotion of sport.
Prerequisites: Instructor permission and first year student standing only
Session Cycle: Summer.

COM 202. Public Speaking. 3 Credit Hours.
This “soft skills” course is designed to help students learn how to communicate in public and digital contexts. By the completion of the course, students should be able to: research, outline, and organize public messages including those that are informative, persuasive, and entertaining; analyze an audience; understand how verbal and nonverbal components of delivery influence speaker credibility; develop strategies to reduce and manage fears about communicating in public contexts; create and use visual aids appropriate to the message; respond to questions effectively and substantively; utilize critical and creative thinking skills. Because speakers and audiences live and interact in a multicultural society, this course will also consider the composition of the audience in crafting ethical, empathetic speeches which consider both the speaker and audience as members of various co-cultures.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 203. Introduction to Communication. 3 Credit Hours.
The purpose of this course is to explore various topics related to communication. Students will learn how communication is defined and how research in the field is performed and evaluated. Furthermore, students will be introduced to various theories in communication as well as some of the common areas within the field (interpersonal, mass, health, intercultural, small group, etc.) Students taking this course can expect to apply the knowledge they gain to various aspects of their personal and professional lives, engage in critical thinking skills, and become familiar with the many options and career choices that study in communication can provide.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 205. Foundations in Digital Communication. 3 Credit Hours.
As an introduction course students will examine the evolution and evolving nature of digital communication. Through lecture and activities students will survey the technologies that have been adapted and reframed for industries, look at how digital culture has affected our human interactions and explore how we use mobile, web, streaming and browsing of audio and video in our everyday lives. Students focus on technologies as both the consumer and the creator and deciphering factors affecting both, including internet governance, ethics, free speech and privacy. The course will examine industries impacted by digital technologies and explore the current and future issues they face.
Session Cycle: Fall
Yearly Cycle: Annual.

COM 206. Foundations in Sports Communication. 3 Credit Hours.
This is an introduction and overview of the field of sport communication with specific topics including models of sport communication, print and electronic media, sport advertising, public relations, media relations, and employment opportunities. Students will have the opportunity to critically assess the communication efforts of sports organizations as well as construct their own communications in the field of sport. This course provides an exploration into the theory and practice of communication across specialized contexts sports professionals face and the development of strategic communication skills needed to succeed in them, including areas such as the press conference, sports feature content, sports promotion, sports branding, athletic administration, and sports reporting.
Session Cycle: Every Spring Semester.

COM 208. Esports Communication and Game Studies. 3 Credit Hours.
This course introduces students to the role of communication in the esports industry, including media relations, broadcasting, content creation, and branding. Students will analyze how digital platforms, social media, and journalism influence the perception and growth of esports. The course will also cover ethical and cultural considerations in esports communication.
Session Cycle: Every Fall Semester
Yearly Cycle: Annual.

COM 209. Principles of Visual Communication in the Digital Space. 3 Credit Hours.
This course explores the foundational principles of visual communication and their application in the digital realm. Students will examine key design theories, including composition, color theory, typography, and visual hierarchy, and learn how these principles shape effective digital messaging. Through a focus on digital media students will gain a deeper understanding of how visual elements influence audience perception, engagement, and communication effectiveness in various digital formats. The course emphasizes the role of design in enhancing clarity, fostering engagement, and conveying messages across diverse digital platforms.
Session Cycle: Every Fall Semester.

COM 230. Introduction to Film Studies. 3 Credit Hours.
This course has three major aims: to introduce students to what might be called the language of film, to investigate the relationship between movies and culture, and to consider film as both an art form and a social practice. Students will examine the tools filmmakers employ to bring their works to the screen, including cinematography, production design, acting, editing, music, sound design, and narrative structure. Students will also focus on how the cinema both reflects and perpetuates aspects of culture, investigating images of masculinity, femininity, class, and race relations. By semester's end students should have a much clearer sense of what goes into the making of movies, and should have become more active, critical viewers of film. This course is cross-listed with LCS 230.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 242. Basic Studio Production. 3 Credit Hours.
This course is an introduction to television production in which, through basic studio exercises and productions, students become familiar with the tools of the medium and the processes involved in the creation of completed video content. Emphasis is placed on understanding the role played by software and hardware in the structuring of visual, auditory, and motion elements to communicate through television.
Session Cycle: Varies
Yearly Cycle: Annual.

COM 243. Digital Media I: Production. 3 Credit Hours.
This course offers an introduction to single-camera video production and editing. In a series of short film assignments, covering a variety of formats/styles, you will learn how to shoot digital media content (outside of the studio environment) and edit your video using Adobe Premiere. This is a hands-on, workshop style course, in which students share and discuss their ideas, raw footage and “rough cut” edits as they go. Technical training will be gradual, with a gently sloped learning curve, so the focus remains where it should be – on expressing your creativity while learning to use shot composition, camera movement, and editing techniques to inform and entertain the viewer.
Session Cycle: Varies
Yearly Cycle: Annual.

COM 260. Media Literacy. 3 Credit Hours.
This course provides students with the necessary tools for examining mass media content from a critical perspective. Students will be able to discuss the literacies (print, media, information, etc.), and the societal importance of both on personal and cultural levels. Students will "read" advertisements, observe TV programming genres such as "reality TV" and news, examine the impact of media on children, study the effects of production values on film content, understand the accelerating proliferation of misinformation and “fake news” and their long-term macro-level ramifications on our culture, and deal with assessing texts and narratives in other media such as the Internet, video games, radio, magazines, and newspapers. Once students learn to read, interpret, critically examine, and productively use media, they will be able to apply those skills to various situations and audiences.
Session Cycle: Every Fall Semester
Yearly Cycle: Alternate Years.

COM 265. Public Relations and Social Media. 3 Credit Hours.
This course introduces traditional public relations and social media concepts and tools, building students' strategic ability to create communications plans that connect both concepts to meet an organization's objectives effectively. Through instruction, hands-on exercises, a client project and guest speakers, students will learn how to create a communications plan, write for the most popular digital communication channels, manage an always-on environment, interview clients effectively, drive social engagement, curate content and finally, create, present, defend and critique a communications plan. Students will gain strategic and tactical proficiency for building and managing a communications program in today's media/social media environment.
Session Cycle: Spring
Yearly Cycle: Annual.

COM 272. Foundations in Mass Communication. 3 Credit Hours.
This course familiarizes students with mass media industries by developing an understanding of industry structures, trends, economics, organization, and the impact of these on content, culture, and agency. Media industries examined include television/cable/streaming services, radio/music, advertising, public relations, Internet, print media, and video games. Media literacy is a major theme embedded throughout the course as students navigate social responsibility by examining media content from a critical perspective. Finally, students will acquaint themselves with industry-related concepts including, but not limited to concentration of ownership, conglomeration, media literacy, synergy, mass communication theories, digitization, convergence, fragmentation, deregulation, media effects, hyper commercialism, deregulation, mass communication theory, globalization, agenda setting, First Amendment issues, censorship, cultivation, and media ethics.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 280. Foundations in Health Communication. 3 Credit Hours.
This course provides students with an introduction to the area of health communication, an area that is large and multifaceted. Students taking this course will learn about a variety of topics that provide the foundation for work in health and health communication. Topics include (but are not limited to): patient-provider interactions, social support, health literacy, health campaigns and promotion, the influence of technology on health, and the role of culture in health.
Session Cycle: Varies
Yearly Cycle: Varies.

COM 301. Esports Governance and Policy. 3 Credit Hours.
This course provides an in-depth look at the governance and structure of esports. Students will examine esports leagues, teams, gaming publishers, and current events happening in esports with a focus on the law and ethical adherence to rules governing these competitions. The course will also explore the different roles of the developer, publisher, esports organizations, and the esports teams, what kinds of investments are relevant to each of those stakeholders, and their concerns.
Session Cycle: Every Spring
Yearly Cycle: Annual.

COM 331. Sports Broadcasting and Analysis. 3 Credit Hours.
This course provides students with the practical skills, industry knowledge, and confidence necessary to succeed in the dynamic field of sports media. Blending academic learning with real-world experience, students will gain a comprehensive understanding of the sports broadcasting landscape, develop compelling commentary techniques, and refine their on-air presence. Through hands-on projects and industry insights, students will learn to navigate the fast-paced challenges of sports media, preparing them for careers as on-air talent, producers, or media executives. By the end of the course, students will be equipped with the essential tools to excel in sports broadcasting.
Prerequisites: Sophomore Standing
Session Cycle: Every Semester
Yearly Cycle: Annual.

COM 332. Writing and Reporting for Broadcast and Emerging Platforms. 3 Credit Hours.
This course gives students hands-on learning and experience creating broadcast and digital news content. Course assignments are filmed in the television studio, but with an emphasis on the "nontechnical" aspects of electronic journalism. Specifically, students learn the communication skills that producers and reporters use when researching and writing news stories, conducting interviews, and delivering news live on the air or via the Internet. This course is also recommended for those with an interest in public relations, or for those who simply want to sharpen their writing and presentation skills.
Prerequisites: Sophomore Standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 333. Public Health Communication: Advocacy and Action. 3 Credit Hours.
This course is designed to familiarize students with the history and current issues in public health, the application of health communication theory and strategies to public health practice and research, and how to use knowledge in public health to advocate for policy changes. This course examines how to structure, develop and evaluate social marketing, media advocacy, risk communication and advocacy skills for change. In addition, systematic qualitative data collection processes such as interviewing skills, participant observation and focus groups will be developed. Emphasis is placed on critical thinking skills to help students analyze and utilize these skills in research and practice.
Session Cycle: Varies.

COM 344. Sports Media Production. 3 Credit Hours.
Covering a live sporting event is one of the most dynamic forms of video-mediated communication. The pace is fast, the narrative largely unscripted, and creative and editorial decisions must be made rapidly. This course uses sports broadcasting as a platform for confronting the challenges of live, remote production. Classroom instruction is reinforced by hands-on experience, as students work in production groups to create network-style, multi-camera broadcasts of Bryant athletic events. Rotating through various roles and responsibilities, students develop skills in multi-camera directing, field production, video editing, writing, reporting, announcing, and special effects. Also, students learn how to identify, shape and present the narrative (story) elements of public events as they unfold. (Note: Students must be available for the broadcast of three Saturday afternoon games during the semester).
Session Cycle: Varies
Yearly Cycle: Alternate Years.

COM 345. Documentary Filmmaking. 3 Credit Hours.
In this course students learn how to create films using nonfictional "real" content as source material. The course covers all the creative aspects of documentary production: choosing a topic, creating a quasi-narrative framework, directing, writing and editing. Lectures, screenings and film assignments also explore how the filmmaker's communicative goal and point of view are expressed in a variety of modern documentary styles. And on the most practical level, students learn how to meet the challenge of scheduling a production based on "real" events that are often beyond the filmmaker's control. This course is also recommended for those who have an interest in journalism (both TV and print) or public relations for the non-profit sector.
Prerequisites: COM 242 or COM 243 or COM 357 or have prior production experience with instructor approval. Sophomore standing
Session Cycle: Varies
Yearly Cycle: Alternate Years.

COM 346. Talk Radio: Sports, Politics and Podcasting. 3 Credit Hours.
This course focuses on the skills needed to become a talk radio or podcast host. Special attention is given to the main functions of talk radio or podcast host as a researcher, interviewer, and storyteller. This course focuses on developing and planning live or taped talk show and podcast segments including researching topics, setting up interviews, writing interview questions, interviewing guests, and interacting with guests and other hosts. This course will also focus on integrating developing technologies in the broadcast field utilized by the talk radio and podcast hosts.
Session Cycle: Fall
Yearly Cycle: Annual.

COM 352. Strategic Content Planning and Creation. 3 Credit Hours.
This course will explore strategies for building relationships between audiences and organizations by assessing trends in writing for major social media platforms. Students will focus on conducting audits, creating style guides, constructing strategic briefs, and curating content to develop authentic connections and build trust on social media through strategic, active writing assignments across a variety of platforms.
Session Cycle: Varies
Yearly Cycle: Annual.

COM 353. Writing for Digital Media. 3 Credit Hours.
This course is designed to help students gain an understanding of how digital writing addresses multiple genres, tools, platforms, and audiences. Students will effectively create digital content, analyze, and compose digital texts, and learn the multimodal writing processes of digital communication for audiences across a variety of digital mediums.
Session Cycle: Fall
Yearly Cycle: Annual.

COM 357. Digital Media II: Narrative Design and Distribution. 3 Credit Hours.
Digital storytelling has changed the way media is gathered and delivered to an audience across a broad range of industries. You may be asked to explain a concept, make an argument or profile an individual or event as a digital storyteller. This course focuses on the skills needed to become an effective digital storyteller no matter what your major or chosen career field. You will learn to plan and develop live and recorded content for a variety of purposes and platforms. Special attention is given to the four main functions of a digital storyteller including: producing, writing, capturing and editing.
Session Cycle: Spring
Yearly Cycle: Alternate.

COM 360. Crisis and Risk Communication. 3 Credit Hours.
The need to assess, understand and implement an effective communication strategy following a crisis or risk event is becoming increasingly important. Whether dealing with the fallout from an environmental disaster, warning the public about a health hazard, interacting with the public on issues of terrorism, dealing with fallout from a public scandal, or addressing an organizational crisis, the need for effective communication management and its successful implementation is high. This course will focus on examining the intricate parts to the crisis/risk communication process, risk/crisis plans and public implementation.
Session Cycle: Spring
Yearly Cycle: Alternate.

COM 361. Public Relations. 3 Credit Hours.
Students in this course consider the public relations process with emphasis on how corporations and other institutions relate to their various publics. Readings and discussions center on methods of conducting effective public relations and on legal and ethical issues. Students plan programs and copy for various media.
Session Cycle: Varies
Yearly Cycle: Annual.

COM 363. Conflict Management and Negotiation. 3 Credit Hours.
The purpose of this course is to introduce students to the study of conflict and the role that communication plays in causing, escalating, and/or managing the conflict process. Additionally, the concept of negotiation and how it fits within this framework, will also be explored. After exploring basic elements of the conflict process (e.g., attributions, goals, power, tactics, etc.), the class will examine ways of altering negative conflict cycles, and the nature and effects of conflict in various situations such as intimate relationships, work relationships, public discourse, team settings, etc. This course is appropriate for anyone wishing to gain a better understanding of the complexities of conflict as well as better and worse ways of managing and or negotiating the process.

COM 367. Small Group Communication. 3 Credit Hours.
This course is designed to (a) give students a better understanding of the communicative practices that make a small group successful, and (b) provide students with the tools to diagnose and rectify potential obstacles to good group work. Students will accomplish these objectives by surveying theory and research in key areas of small group communication including cohesiveness, conflict, power, conformity and deviance, social influence, group roles and processes, group structures, leadership, and decision-making skills. In addition, students will have the opportunity to apply such theory and research by interacting in a small group environment to solve a problem, and then analyzing what their group did right and what their group did wrong.
Session Cycle: Varies
Yearly Cycle: Varies.

COM 370. Media Organizations. 3 Credit Hours.
This course is designed to introduce students to major issues involved in the management, production, and distribution of the mass media. Topics include the technical side of media production, the history and development of media organizations, business aspects of broadcasting and cable, media regulation, societal effects and the impact of new technology on traditional broadcast media. The focus will be on the history and development of media organizations and how they have helped shape American culture. Students will also discuss the impact of new technology such as HDTV and internet television. This class will examine how the media are both products of social forces as well as social forces in their own right.
Session Cycle: Varies
Yearly Cycle: Alternate Years.

COM 381. Message Design and Content Creation in the Age of Artificial Intelligence. 3 Credit Hours.
This course explores the transformative role of artificial intelligence in communication, emphasizing the design and delivery of effective messages. Students will examine foundational communication theories, principles of audience analysis, and strategies for crafting compelling narratives. Through hands-on practice and using state of the art tools, students will create written, visual, and video content that integrates AI-enhanced techniques with strategic message design. Ethical considerations, including authenticity, transparency, and the balance between human creativity and AI-generated content, are interwoven throughout, preparing students to navigate and innovate in the evolving landscape of AI-driven communication.
Prerequisites: Sophomore Standing
Session Cycle: Every Fall Semester.

COM 390. Research Methods in Communication/Digital Communication. 3 Credit Hours.
The purpose of this course is to introduce students in Communication and Digital Communication to research methods and concepts used in the field. During the semester, students will learn about ethical implications, sampling, variables, hypothesis testing and research design. They will also explore several different research techniques (e.g., surveys, experiments, content analysis, social network analysis, etc.). In addition, students will also be introduced to some basic statistical techniques used in the analysis of research data. The goal is to not only provide students with the groundwork for understanding and conducting research in these fields, but to also be able to be critical consumers of the research they will encounter in their future careers.
Prerequisites: COM 203 and MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 401. Advanced Intercultural Communication. 3 Credit Hours.
This course explores the complexity and uniqueness of intercultural communication by focusing on the various theoretical and practical aspects of how culture influences the way we communicate. By examining the various approaches to the study of intercultural communication, we will come to appreciate the complexity and dialectical tensions involved in intercultural interactions. We will examine the important role of context (social, cultural, and historical) in intercultural interactions and apply intercultural theories to practical situations such as education, healthcare, and business. This learning process will enhance self-reflection, flexibility, and sensitivity in intercultural interactions.
Prerequisites: COM 203 and Sophomore Standing.

COM 402. Digital Literacy. 3 Credit Hours.
Digital literacy refers to the ability to use, understand, and navigate digital technologies effectively. Given the impact and constant presence that digital media has in our lives, becoming critical consumers, rather than just users, is becoming an ever increasing imperative. As digital technologies continue to evolve, and new ones emerge (such as Artificial Intelligence), engaging with digital devices, applications, and information sources in a meaningful way is important. This course will focus on the cognitive and critical thinking skills required to assess, analyze, and create content in the digital realm, as well as the impact that it has on our interactions, society, and relationships.
Prerequisites: COM 203 or COM 205 and Sophomore Standing
Session Cycle: Every Fall Semester.

COM 403. Organization, Leadership, and Communication in the Sports Industry. 3 Credit Hours.
Students will focus on the organizational structure and communication requirements needed to organize and run various types of organizations within the sports field. Focus will be on international, national, professional, and collegiate sports organizations as well as the multiple departments and specializations that exist within each. Particular attention will be paid to role determination, communication, interdependence, specialization, and coordination required of the multiple structures that make up these sports companies and organizations.
Prerequisites: COM 203 or COM 206, Sophomore Standing
Session Cycle: Every Semester.

COM 404. Esports Event Planning and Organization. 3 Credit Hours.
This course explores the fundamentals of planning, organizing, and managing esports events, from grassroots tournaments to large-scale international competitions. Students will learn about event logistics, sponsorship acquisition, audience engagement, and the use of technology in tournament operations. The course will provide hands-on experience in conceptualizing and structuring an esports event.
Prerequisites: COM 203 or COM 206 or COM 208 and Sophomore Standing
Session Cycle: Every Spring Semester
Yearly Cycle: Annual.

COM 405. Advanced Sports Broadcasting: Road to "Radio Row. 3 Credit Hours.
This course provides students with an immersive experience in advanced sports media production, focusing on live event coverage, broadcasting, and content creation. Students will gain hands-on experience in producing, directing, and reporting for live sports programming, with a special emphasis on the organization and execution of professional sports media events. The culminating project for this course will involve active participation in "Radio Row" at the Super Bowl, where students will engage with industry professionals, produce content, and contribute to media coverage of one of the biggest sporting events in the world.
Pre/Corequisites: COM 331 can be taken as a corequisite
Prerequisites: COM 203 and COM 331 OR COM 346 and approval by instructor, Sophomore Standing
Session Cycle: Fall/Winter Semester - Course Will Run Longer Than Regular Term
Yearly Cycle: Annual.

COM 406. Voices of the Game: Expert Perspectives on Sports Communication, Promotion and Industry. 3 Credit Hours.
This course explores the dynamic landscape of sports industries by engaging directly with experts from professional athletics, sports organizations, and leading sports companies. Designed to bridge academic concepts with real-world expertise, the course features accomplished athletes, industry executives, and leaders from sports organizations and technology who share their knowledge and experiences. Students will delve into the inner workings of the sports industry, focusing on topics such as sports communication, sports media, brand promotion, sponsorship activation, fan engagement, and organizational leadership. Through expert-led discussions, interactive projects, and coursework, participants will develop practical skills and gain insider perspectives on the trends shaping the future of sports and the evolving fan experience Specific course focus will be dependent on resident expert teaching the course for that semester and their area of expertise.
Prerequisites: COM 203 or COM 206 and approval by chair, Sophomore Standing
Session Cycle: Varies.

COM 407. Creating and Selling Ideas for Entertainment. 3 Credit Hours.
This course introduces students to the creative and industry practices of developing unscripted and factual television projects for today's media landscape. Students learn the essentials of ideation, storytelling, and structuring concepts while exploring the television and streaming development process. Emphasis will be placed on tailoring ideas for specific production companies and crafting professional pitches that resonate with stakeholders and decision-makers. Through collaborative workshops and industry analysis, students gain hands-on experience generating original projects, refining ideas, and presenting them through written, visual, and live pitch formats. The course also involves participation at a national or international Television/Film Festival, where students engage in projects and interact directly with media professionals and the entertainment industry.
Prerequisites: COM 203 and Sophomore Standing
Session Cycle: Every Spring Semester.

COM 408. Communication in Action: Evolving Media and Message Landscapes. 3 Credit Hours.
This course examines the rapidly evolving fields of Communication and Digital Communication through engagement with current issues and professionals in television, film, public relations, social media, and digital media. It bridges academic theory with industry practice, featuring guest experts and practitioners who share their insights and experiences. With a rotating focus based on the resident expert's specialization or emerging trends, each offering adapts to explore emerging developments in the field. Topics will vary according to student interest and timely developments in Communication and Digital Communication. Refer to Banner for semester-specific course titles and descriptions.
Prerequisites: COM 203 and Approval by Instructor. Sophomore Standing

Session Cycle: Varies.

COM 409. AI and Fan Engagement in Sports. 3 Credit Hours.
Artificial intelligence is reshaping how sports organizations communicate, promote their brands, and connect with fans…and that transformation is happening right now. From the content that appears on your team's Instagram account to the personalized push notification you receive on game day, AI tools are embedded in sports communication at every level. This course gives you hands-on fluency with those tools while developing the critical judgment to use them well. You will examine how AI is being used (or misused) by professional leagues, college athletic programs, and emerging sports media companies. You will work directly with generative AI platforms, content creation tools, and audience analytics resources, applying them to real promotional challenges throughout the semester. The course culminates in a team-based AI-driven campaign project for a real or hypothetical sports organization. Regardless of your career in sports, this course will give you a practical and critical edge.
Prerequisites: COM 203 and Sophomore Standing
Session Cycle: Every Spring Semester.

COM 442. Advanced Digital Media. 3 Credit Hours.
With the advent of digital platforms including web sites, streaming networks, and social media platforms, it is no longer sufficient to think solely in the context of traditional broadcast and streaming media. Platforms such as Youtube, Roku and Tik Tok have changed all manner of content creation. This course will give you an understanding of how all areas of digital media production, both behind the scenes and in front of the camera, come together and are practiced at various stages, from preproduction through distribution, to create programming for both traditional and digital platforms. You will create high-end content in a simulated, professional environment taking on the roles of production personnel, from showrunner to craft service, with the ultimate goal of seeing your programming "air" on the chosen distribution platform for the semester.
Prerequisites: COM 203 and Sophomore Standing
Session Cycle: Spring
Yearly Cycle: Alternate Years.

COM 444. Sports Journalism. 3 Credit Hours.
Sports Journalism is the foundation of all sports coverage from play-by-play to podcasting, to sports promotion. This hands-on course prepares you to write, report, and analyze sports across print, radio, television, the web and social media. Students will learn to develop their own unique voice using journalistic principles such as researching, interviewing, and writing as they apply to sports, athletes, and coaches. Students will also learn sports journalism from the perspective of the athlete.
Prerequisites: COM 203, Sophomore Standing
Session Cycle: Every Spring.

COM 450. Media Genre Studies. 3 Credit Hours.
A genre approach to media study (one which takes the way we might categorize media as its point of departure) provides the most effective means for understanding, analyzing, and appreciating forms of media because it sees it as a dynamic process of exchange between the media industry and its audience. This allows us to think about media not just as an aesthetic object, but also as a consumer item molded in part by the shifting demands of the mass market. A particular piece of media, then, can tell us as much about the audience for which it's intended and the moment in history to which it belongs as it can about the institutions that produced it. This course examines the way this "dynamic process of exchange" works by looking critically at examples of media genre of the last several decades.
Prerequisites: COM 203, Sophomore Standing
Session Cycle: Fall
Yearly Cycle: Varies.

COM 452. Personal Branding in Digital Media. 3 Credit Hours.
In digital communication, tools and methods are available for people to share ideas, thoughts, and content online, providing key opportunities for product and personal marketing to support a brand image. This course is a practical, hands-on class where students explore the history and concept of branding and how it applies to aspects of self-presentation and self-promotion in digital media. Students will focus on developing and strengthening their own brand with an emphasis on the use of creating content for use on digital platforms.
Session Cycle: Fall
Yearly Cycle: Alternate Years.

COM 463. Digital Addiction, Internet Culture, and Communication. 3 Credit Hours.
This course explores the impact that digital communication has on us as individuals as well as how it serves to create a digital culture. Students examine topics such as digital communication's impact on cognitive processes, digital addiction, and digital literacy. How does software programming and engineered behavior addiction lead us to spending massive amounts of time on the devices and online? Students also dive into the implications of spending so much time online as it relates to topics such as memes, online relationships, identity presentation via things such as selfies, online humor, mental health, linguistics, influencers, trolls and more.
Prerequisites: COM 203 or COM 205 and Sophomore Standing.

COM 470. Persuasion and Social Influence. 3 Credit Hours.
Communicative efforts to influence us and our efforts to influence others are so common that we rarely give them a second thought--that is, until they do not work the way we intended. This course is designed to introduce you to theoretical and applied issues in the study of social influence. It presents a broad overview of the area with an emphasis on the creation and consumption of persuasive messages in a variety of contexts including advertising, politics, health, and even our own interpersonal relationships.
Prerequisites: COM 203 or COM 204 and Sophomore standing
Session Cycle: Varies
Yearly Cycle: Alternate Years.

COM 472. Media Effects. 3 Credit Hours.
This course examines the impact of mass media on individuals and contemporary culture. Areas of examination include media cultivation, desensitization, priming, violence, agenda-setting, media framing, hypersexualization, gender portrayals, commercialism content, persuasion, the empathetic audience, entertainment education, media discourse, numerous media theories, and digital communication, to name a few. Students in this course will complete semester-long research on a media effects topic of their choosing and will deliver presentations on a number of mass communication theories.
Prerequisites: COM 203 or COM 204 and Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Annual.

COM 478. Global Communication. 3 Credit Hours.
This course focuses on cross-national comparative approaches to the study of communication policy and practice. It illustrates the value of comparative study through discussions of broadcasting, cable, telecommunications, culture and new media policies and practices such as those surrounding the Internet. This course focuses on the history, development, implementation and effects of global communication systems. There is an emphasis on how culture is a shaping force in the development of communication policy and practices in each country.
Prerequisites: COM 203 or COM 204 and Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Annual.

COM 480. Advanced Health Communication Health Campaigns. 3 Credit Hours.
This course provides students with an in-depth look into the area of health communication and the specific context of health message design, health promotion, and health behavior change. Building upon knowledge gained in Introduction to Health Communication, students will be presented with various theories and models that are used in the field as well as strategies and campaigns that are currently being enacted in society. Students will gain practice in applying knowledge gained in this course as they select, research, and design a health campaign of their own.
Prerequisites: COM 203 or COM 204 or COM 280 and Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Alternate Years.

COM 491. Senior Capstone for Communication/Digital Communication. 3 Credit Hours.
In this capstone course, students will build on knowledge from prior classes to examine and apply the major theories used in the study of communication/digital communication. Through course discussion and application to real world situations, students will synthesize their understanding of communication and how it impacts human behavior and attitudes. Students will develop the ability to articulate opinions, translate concepts, and formulate solutions on current topics through the lens of both theory and ethics. Then, students will apply their knowledge of communication and/or digital communication to gain real world experience by solving problems that exist within a nonprofit organization and/or between its members and target audience.
Prerequisites: COM 203 or COM 204, senior standing, and Communication or Digital Communication major
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 492. Senior Capstone in Sports Industries, Media, and Promotion. 3 Credit Hours.
In this capstone course, students will build on knowledge from prior classes to examine and apply the major theories and concepts used in the study of sports industries and sports communication. Through course discussions and application to real-world situations, students will synthesize their understanding of communication and its impact on human behavior, attitudes, and decision-making within the athletic industry. Students will develop the ability to articulate opinions, translate concepts, and formulate solutions on current topics through the lens of both theory and ethics. Students will apply their knowledge of sports industries and sports communication to gain real-world experience by solving problems that exist within an existing sports industry or organization and/or between its members and target audience(s).
Prerequisites: Senior Standing and Majors Only
Session Cycle: Every Spring.

COM 497. Directed Study in Communication. 3 Credit Hours.
This course permits the student to pursue a communication area of interest and relevancy. The work will be performed under the supervision of a faculty member who will help design the program of study and the requirements to be met by the student.
Prerequisites: This course requires departmental permission on the basis of the agreed - upon plan of study.

Bachelor of Arts with a Major in Sports, Industries, Media and Promotion

Bachelor of Arts with a Major in Sports Industries, Media, and Promotion

The Bachelor of Arts in Sports Industries, Media and Promotion provides students with both the theoretical foundation and practical expertise needed to become leaders in today's multibillion-dollar sports industry. From collegiate athletics and professional leagues to sports journalism and athlete representation, there's an increasing need for skilled, professional communicators who can navigate the dynamic landscape of sports. Students will gain hands-on experience in sports media, communication strategy, and digital content production while developing a deep understanding of sports promotion, branding, and audience engagement. Through Bryant's major in Sport Industries, Media, and Promotion, student's build both the required knowledge and the technical expertise to lead within a competitive market.

Sports Industries majors focus on communication technologies and strategies as both consumers and creators. They engage in dynamic coursework centered on three key areas: sports media and communication theories, the strategic design and management of sports content, and the production of engaging multimedia content across digital and traditional platforms.

From sports broadcasting to esports event management to digital branding, Sports Industries majors at Bryant University are prepared for both the current sports landscape and future industry shifts. This program equips students with the ability to craft compelling sports narratives and media, manage athlete and team reputations, and lead communication efforts across sports organizations. Through experiential learning and real-world applications, as well as access to internship and networking opportunities with leading sports franchises, media networks, and major sports brands, graduates enter the industry with a competitive edge that positions them for long-term success in diverse career opportunities with top organizations in the sports industry.

Sports Industries, Media, and Promotion Major Objectives:

Students in the Sports Industries, Media, and Promotion major will:

- Demonstrate a comprehensive understanding of the sports industry, including its history, structure, and key stakeholders.
- Analyze and critically evaluate sports media across various platforms and produce effective and appropriate sports content for different media channels.
- Utilize digital and traditional media platforms effectively for sports promotion and communication that engage and expand the sports audience.
- Analyze and understand diverse sports audiences to allow tailoring of communication strategies to specific target audiences within the sports industry.
- Develop skills interacting with the media and master techniques for interviews, press releases, and managing public relations to enhance the team or athlete's image.
- Develop, evaluate, and manage sports brands, including creating brand identities, positioning, and loyalty strategies.
- Cultivate leadership qualities and negotiation skills crucial for effective collaboration with athletes, coaches, sponsors, and other key players in the sports industry.
- Apply principles of strategic organization to analyze and solve complex issues for sports organizations, teams, or facilities.

Bachelor of Arts with a Major in Sports Industries, Media, and Promotion Degree Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Bachelor of Arts with a Major in Sports Industries, Media, and Promotion :

Major Required Core:		
COM 203	Introduction to Communication	3
COM 206	Foundations in Sports Communication	3
COM 403	Organization, Leadership, and Communication in the Sports Industry	3
COM 492	Senior Capstone in Sports Industries, Media, and Promotion	3
Sports Core - Student must pick three:		
ECO 340	Sports Economics	3
LGLS 380	Sport and the Law	3
MKT 313	Sports Marketing	3
PSY 481	Exercise and Sport Psychology	3
Student must pick 5 Elective Courses		
CLS 391	Communication and Language Studies Internship	3
COM 208	Esports Communication and Media Studies	3
COM 301	Esports Governance and Policy	3
COM 331	Sports Broadcasting and Analysis	3
COM 344	Sports Media Production	3

COM 346	Talk Radio: Sports, Politics, and Podcasting	3
COM 360	Crisis and Risk Communication	3
COM 363	Conflict Management and Negotiation	3
COM 404	Esports Event Planning and Organization	3
COM 405	Advanced Sports Broadcasting: Road to "Radio Row"	3
COM 406	Voices of the Game: Expert Perspectives on Sports Communication, Promotion and Industry	3
COM 444	Sports Journalism	3
ECO 340	Sports Economics	3
LGLS 380	Sport and the Law	3
MATH 488	Sports Statistics	3
MKT 313	Sports Marketing	3
PSY 481	Exercise and Sport Psychology	3

** Courses amongst content sections may **not** double count. **

A minimum of 36 credit hours is required for the major.

A minimum of 120 credit hours is required for graduation.

Communication Programs

Major In Communication

The Bachelor of Science degree in Communication focuses on understanding the impact of messages and their design. More specifically, how the messages we create and the interactions we have impact the attitudes and behaviors of others. Today's technologically oriented and constantly diversifying world is driven by the exchange of information. Increasingly, people with finely tuned communication skills are in demand to direct that information. Communication majors gain the knowledge of how messages, delivered through a variety of channels (face to face, mediated, print, etc.) can be used in everything from establishing relationships to selling products and services, to leading groups and organizations.

Studying communication at Bryant gives students an opportunity to analyze and evaluate various forms of communication while developing their own specific communication skills. Theoretical, social, and ethical functions of communication are studied within a global context.

Communication Major Objectives

Students in the Communication Major will:

- Describe the communication discipline and its central questions.
- Employ communication theories, perspective, principles, and concepts.
- Engage in communication inquiry.
- Create messages appropriate to the audience, purpose, and context.
- Critically analyze messages.
- Demonstrate the ability to accomplish communicative goals.
- Apply ethical communication principles and practices.
- Use communication to embrace difference.
- Influence public discourse.

Communication Major Tracks

- While students are encouraged to design their own coursework in communication to meet their personal and career goals and aspirations, students can also choose to specialize in a specific area within the field of communication. Each track requires six courses that are completed as electives within the required courses, so no additional coursework is needed. Current tracks are Public Relations, Broadcast Journalism, Film and Television, Strategic Healthcare and General Communication. To see course lists and requirements for each track please refer to the "Major Degree Requirements Tab" tab above and select "Communication Major""

Public Relations Track

The study of public relations emphasizes the theory and practice of successfully interacting with an organization's many publics as it works to create a body of public opinion to support its mission, vision, or values. The knowledge afforded in a communication degree will prepare students to best demonstrate their skills in written and interpersonal communication, research, negotiation, leadership, creativity, planning, logistics, and problem solving.

Broadcast Journalism, Film, and Television Track

The Broadcast Journalism, Film, and Television Track emphasizes the creation of film and television content. In a mix of classroom, studio and on-location environments, students learn how to write, shoot, and edit media that is not only focused and engaging, but tailored for a specific audience and distribution platform. Depending on the course and assignment, students may work individually or as part of a creative team. This specialization prepares students for a variety of careers in mass communication (news, sports, advertising, etc.) that require both communication skills and creativity. Internships and volunteer opportunities will augment the course of study.

General Communication Track

The General Communication track allows students who would prefer a broader focus within the Communication field, or those who wish to target specific occupations or fields of study, to adapt their own course work and "track." Majors interested in this track will work with an advisor from within the department who will help advise and guide students towards specific coursework that would best compliment their ambitions and goals.

Communication Minor

Students pursuing a communication minor work with a faculty advisor to develop a personalized, tailored course of study. In this way, they build a coherent approach to the discipline that reflects their own interests in the field. Options range from interpersonal communication to journalism and mass media to media production.

Bachelor of Science with a Major in Communication Degree Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Bachelor of Science with a Major in Communication Requirements

Communication Major Requirements:

Required Courses:		
COM 203	Introduction to Communication	3
COM 205	Foundations in Digital Communication	3
or COM 206	Foundations in Sports Communication	

or COM 272	Foundations in Mass Communication	
or COM 280	Foundations in Health Communication	
COM 390	Research Methods in Communication/Digital Communication	3
COM 491	Senior Capstone for Communication/Digital Communication	3
Choose one of the following tracks:		
General Communication Track		
Choose Eight Communication Electives from within the program, at least two must be at the 400 Level		
Broadcast Journalism, Film and Television Track		
COM 230	Introduction to Film Studies	3
COM 242	Basic Studio Production	3
COM 243	Digital Media Production	3
COM 472	Media Effects	3
Choose two of the following courses, one must be at the 400 level		
COM 332	Writing and Reporting for Broadcast and Digital Media	3
COM 344	Sports Media Production	3
COM 345	Documentary Filmmaking	3
COM 346	Talk Radio: Sports, Politics, and Podcasting	3
COM 357	Digital Video and Media Narrative Design	3
COM 370	Media Organizations	3
CLS 391	Communication and Language Studies Internship	3
COM 442	Advanced Digital Media	3
COM 444	Sports Journalism	3
Choose two Communication Elective offered within the program		
Public Relations Track		
COM 360	Crisis and Risk Communication	3
COM 361	Public Relations	3
COM 452	Personal Branding in Digital Media	3
COM 470	Persuasion and Social Influence	3
Choose two of the following courses:		
COM 202	Public Speaking	3
COM 265	Public Relations and Social Media	3
COM 332	Writing and Reporting for Broadcast and Digital Media	3
COM 352	Strategic Content Planning and Creation	3
COM 353	Writing for Digital Media	3
COM 363	Conflict Management and Negotiation	3
COM 370	Media Organizations	3
CLS 391	Communication and Language Studies Internship	3
Choose two Communication Elective offered within the program		

A minimum of 36 credit hours is required for the major.

A minimum of 120 credit hours required for graduation.

Communication Minor Requirements:

Students in the Communication minor will take:

COM 203	Introduction to Communication	3
One 200-level communication course		3
One 300-level communication course		3
One 400-level communication course		3

A minimum of 12 credits is required for the minor.

Digital Communication Program

Major In Digital Communication

The Bachelor of Science in Digital Communication provides students with the theoretical knowledge as well as the practical skill to help them become a leader in designing and managing digital content in any field or organization. Students will gain experience in both digital writing and digital production, while also developing expertise in strategy, message design, platform delivery and assessment. Digital Communication majors focus on digital communication technologies as both the consumer and the creator. They engage in unique coursework that focuses on three key areas: theories and concepts of Digital Communication, how to effectively design and manage digital content based on unique goals, as well as how to create and produce the content needed to engage a variety of communities across multiple platforms.

From social media to podcasts to emerging digital technology, Digital Communication majors at Bryant University are trained for the “here and now” as well as for what the future may bring. Studying Digital Communication at Bryant give students the ability to design, produce and manage digital content for a wider variety of contexts and careers.

Digital Communication Major Objectives:

Students in the Digital Communication major will:

- Describe the process of digital communication.
- Explain the process by which digital communication knowledge is generated and advanced.
- Develop, create, deliver, and assess appropriate and effective digital media messages.
- Demonstrate the ability to apply the ethical, social, historical, and legal principles and practices of digital communication.
- Engage critically and creatively to solve problems and adapt to new technology environments.
- Apply communication and digital communication theory and research to real-world situation.

Bachelor of Science with a Major in Digital Communication Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Bachelor of Science with a major in Digital Communication Requirements:

Digital Communication Major Requirement		
COM 203	Introduction to Communication	3
COM 205	Introduction to Digital Communication	3
COM 209	Principles of Visual Communication in the Digital Space	3
COM 353	Writing for Digital Media	3
COM 390	Research Methods in Communication/Digital Communication	3

COM 491	Senior Capstone for Communication/Digital Communication	3
Written/Audio/Visual Content Creation Requirement [1]		
Choose Two Course from Listing Below:		
COM 243	Digital Media Production	3
COM 352	Strategic Content Planning and Creation	3
COM 357	Digital Video and Media Narrative Design	3
COM 442	Advanced Digital Media	3
COM 452	Personal Branding in Digital Media	3
Digital Communication Content Requirement [1]		
Choose at least Two Courses from Listing below: [1]		
COM 243	Digital Media Production	3
COM 265	Public Relations and Social Media	3
COM 352	Strategic Content Planning and Creation	3
COM 357	Digital Video and Media Narrative Design	3
COM 360	Crisis and Risk Communication	3
COM 381	Message Design and Content Creation in the Age of Artificial Intelligence	3
COM 402	Digital Literacy, Digital Lives	3
COM 442	Advanced Digital Media	3
COM 452	Personal Branding in Digital Media	3
COM 463	The Impact of Digital Addiction on Individuals and Social Interactions	3
COM 470	Persuasion and Social Influence	3
COM 480	Advanced Health Communication Health Campaigns	3
Two Communication Electives (no double counting) [1]		

[1] Courses amongst content sections may ***not*** double count. At least 2 courses throughout the "content" sections must be at the 400 level. The 400 level course taken for the Major Requirement section does not count towards this requirement

A minimum of 36 credit hours is required for the major.

A minimum of 120 credit hours required for graduation.

Language Studies Program

Language Studies

Build global fluency through cultural, historical, and linguistic exploration in Bryant's Language Studies program.

The Language Studies curriculum integrates culture, history, literature, and other creative expressions into language instruction. It emphasizes both inter- and intra-cultural discourse, teaching students to think critically and analytically about how different language communities encode meaning and transmit culture.

Undergraduate language proficiency is highly valued across many fields —business, social and technical sciences, humanities—and is often a prerequisite for graduate programs. Bryant's program equips students with the advanced language skills needed for diverse career paths and further academic study.

Course selection depends on your score on the Language Placement Exam.

What you will learn:

- Strong skills in listening, speaking, reading, and writing either French, Italian, or Spanish
- Understanding of the cultural, societal, and professional norms of French-speaking, Italian-speaking or Spanish-speaking countries

Major in Language Studies
Spanish Major

The Spanish major is designed to promote the development of advanced proficiency in Spanish and a deepening understanding of Hispanic cultures. It will provide authentic contexts for the expansion of communicative competence in Spanish with improved accuracy and fluency. Also, these major fosters an expanding appreciation for shared human experience across diverse cultures

Concentration in Language Studies

Utilizing the concentration format, students are able to choose from three different concentrations offered in French or Spanish.

French Concentration

The French concentration is designed to promote proficiency in French and a strong understanding of Francophone cultures. As the knowledge of at least one foreign language has become indispensable in today's economic and political interdependence of Francophone nations, the concentration will promote the development of trans-cultural competence.

Spanish Concentration

The Spanish concentration is designed to promote proficiency in Spanish and a strong understanding of Hispanic cultures. As the knowledge of at least one foreign language has become indispensable in today's economic and political interdependence of nations, the Spanish concentration will promote the development of intercultural competence.

Language Studies Minor

By selecting one of four minors offered in language studies, students can add an impactful area of knowledge and experience to any major from the College of Business or, via a double minor, any major from the School of Health and Behavioral Sciences or the College of Arts and Sciences. The program offers minors in French, Italian or Spanish.

French Minor

The French Minor is designed to provide students with an advanced level of language proficiency and an understanding of the culture of France and the French speaking countries where it has produced rich national literatures and diverse cultures (in Europe, Africa, Asia, Canada and the Caribbean).

French is now spoken as a first or second language by over 270 million people and is one of the official languages of the UN. There are an estimated 100 million speakers of French as a second or cultural language. It is the language of government, law, management, and business in many regions of the international community.

The French Minor will improve cross-cultural understanding and international awareness since the knowledge of at least one foreign

language has become indispensable in today's economic and political interdependence of nations.

Italian Minor

Italian is spoken by approximately 63 million people and is one of four official languages of Switzerland. Italian is the fifth most taught non-native language worldwide, after English, French, Spanish, and German.

The Italian minor is designed to provide students with an advanced level of language proficiency and a strong understanding of the Italian culture. Besides equipping students with the necessary tools to become effective and creative communicators, the Italian minor also prepares students to develop the global perspective and to live, study and work in Italy and the international community.

Spanish Minor

The Spanish Minor is designed to provide students with an advanced level of language proficiency and a strong understanding of the cultures of Spanish speaking societies. Besides equipping students with the necessary tools to become excellent communicators and rigorous thinkers, the minor also equips students to live and work within an increasingly international context. Given the numerous hemispheric trade agreements, the significant presence of Latina/os in the U.S., the considerable number of Spanish speaking transnational immigrants and the importance of Spain in the European Union, minoring in Spanish also grants the student an advantageous position in the job market.

- **Spanish (p. 145)**
- **French Concentration (p. 145)**
- **Spanish Concentration (p. 146)**
- **Language Studies (p. 145)**

French Concentration

French Concentration Requirements[1]

ML FR305	Reading and Writing	3
ML FR307	Conversation and Composition	3
400 level advanced French course (ML FR404 is required for IB majors)		3
Three additional French courses [2]		9

1 Nine credits must be earned at Bryant
2 One may be at the 200 level and at least two must be at the 300 and 400 levels.

A minimum of 18 credit hours is required for the concentration.

French Concentration Objectives

- Provide authentic contexts for further development of communicative competence with improved accuracy in French.
- Foster developing appreciation for shared human experience across diverse cultures.
- Integrate knowledge from other curricular areas to connect foreign language study with other disciplines.
- Promote a developing understanding of the nature of language and culture.
- Encourage participation in multilingual communities for life-long learning.

Bachelor of Arts with a Major in Spanish

Bachelor of Arts with a Major in Spanish Degree Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Spanish Major Requirements:

Spanish Major Requirements [1]

Required Courses:		
ML SP305	Reading and Writing	3
or ML SP306	Spanish for Heritage Speakers	
ML SP307	Conversation and Composition	3
ML SP308	Survey of Literature in Spanish	3
Major Elective Area:		
Two 400-level Spanish language courses		6
Five additional Spanish courses [2]		15
Business Minor Requirement		

1 Fifteen credits must be earned at Bryant
2 Two may be at the 200 level; the rest must be at the 300 and 400 levels.

A minimum of 30 credits is required for the major.

A minimum 120 credit hours required for graduation.

Language Studies Minor

Language Studies Minor Requirements:

MINOR IN LANGUAGE STUDIES (FRENCH) or
MINOR IN LANGUAGE STUDIES (ITALIAN) or
MINOR IN LANGUAGE STUDIES (SPANISH)

Language Placement Exam Score Range: 0-260

Language Studies Minor Requirements: Six credits must be earned at Bryant		
ML FR105	Introduction to French Language and Culture I	3
or ML IT105	Introduction to Italian Language and Culture I	
or ML SP105	Introduction to Spanish and Hispanic Language and Culture I	
ML FR106	Introduction to French Language and Culture II	3
or ML IT106	Introduction to Italian Language and Culture II	
or ML SP106	Introduction to Spanish and Hispanic Language and Culture II	
ML FR205	Intermediate French I	3
or ML IT205	Intermediate Italian I	
or ML SP205	Intermediate Spanish I	
ML FR206	Intermediate French II	3
or ML IT206	Intermediate Italian II	

or ML SP206	Intermediate Spanish II	
LS 401	Intercomprehension: A pathway to plurilingualism	3

Language Placement Exam Score Range: 261-370

Language Studies Minor Requirements: Six credits must be earned at Bryant		
ML FR106	Introduction to French Language and Culture II	3
or ML IT106	Introduction to Italian Language and Culture II	
or ML SP106	Introduction to Spanish and Hispanic Language and Culture II	
ML FR205	Intermediate French I	3
or ML IT205	Intermediate Italian I	
or ML SP205	Intermediate Spanish I	
ML FR206	Intermediate French II	3
or ML IT206	Intermediate Italian II	
or ML SP206	Intermediate Spanish II	
LS 401	Intercomprehension: A pathway to plurilingualism	3

Language Placement Exam Score Range: 371-520

Language Studies Minor Requirements: Six credits must be earned at Bryant		
ML FR205	Intermediate French I	3
or ML IT205	Intermediate Italian I	
or ML SP205	Intermediate Spanish I	
ML FR206	Intermediate French II	3
or ML IT206	Intermediate Italian II	
or ML SP206	Intermediate Spanish II	
ML FR305	Reading and Writing	3
or ML IT305	Reading and Writing	
or ML SP305	Reading and Writing	
LS 401	Intercomprehension: A pathway to plurilingualism	3
or ML FR404	French for Business	
or ML IT404	Italian for Business	
or ML SP404	Spanish for Business I	

MINOR IN GLOBAL PROFESSIONAL LANGUAGES (FRENCH) or

MINOR IN GLOBAL PROFESSIONAL LANGUAGES (ITALIAN) or

MINOR IN GLOBAL PROFESSIONAL LANGUAGES (SPANISH)

Language Placement Exam Score Range: 521-630

Minor in Global Professional Languages Requirements: Six credits must be earned at Bryant		
ML FR206	Intermediate French II	3
or ML IT206	Intermediate Italian II	
or ML SP206	Intermediate Spanish II	
ML FR305	Reading and Writing	3
or ML IT305	Reading and Writing	
or ML SP305	Reading and Writing	
ML FR404	French for Business	3
or ML IT404	Italian for Business	
or ML SP404	Spanish for Business I	
or LS 402	Advanced Intercultural and International Experience	
LS 401	Intercomprehension: A pathway to plurilingualism	3

Language Placement Exam Score Range: 630-660

Minor in Global Professional Languages Requirements: Six credits must be earned at Bryant		
ML FR305	Reading and Writing	3
or ML IT305	Reading and Writing	
or ML SP305	Reading and Writing	
ML FR307	Conversation and Composition	3
or LS 275	How Language Works	
or ML FR308	Survey of French Literature	
or ML FR403	Francophone Cultures	
or ML IT307	Conversation and Composition	
or ML IT308	Italian Literature	
or ML SP307	Conversation and Composition	
or ML SP308	Survey of Literature in Spanish	
or ML SP310	Spanish Speaking Cultures	
or ML SP312	Phonetics and Phonology of Spanish	
or ML SP403	Cultures of Spanish Speaking Societies	
or ML SP408	Spanish for Business II	
ML FR404	French for Business	3
or ML IT404	Italian for Business	
or ML SP404	Spanish for Business I	
or LS 402	Advanced Intercultural and International Experience	
LS 401	Intercomprehension: A pathway to plurilingualism	3

Spanish Concentration

Spanish Concentration Requirements[1]

ML SP305	Reading and Writing	3
or ML SP306	Spanish for Heritage Speakers	
ML SP307	Conversation and Composition	3
400 level Spanish course (ML SP404 is required for IB majors)		3
Three additional Spanish courses [2]		9

A minimum of 18 credit hours is required for the concentration.

1 Nine credits must be earned at Bryant
2 One may be at the 200 level and at least two must be at the 300 and 400 levels.

Spanish Concentration Objectives

- Develop proficiency in spoken and written Spanish.
- Cultivate and encourage the appreciation of media and culture of Hispanic countries.
- Prepare students to use Spanish in travel and study abroad.
- Prepare students to work in international contexts requiring knowledge of Spanish.

Department of History, Literature, and the Arts

The History, Literature, and the Arts Department offers courses that encourage deep exploration of diverse historical, cultural, and creative practices and contexts. Students learn to think beyond their own experience and recognize how their ideas and actions shape the world in which they live.
Programs are available in:

- **Arts and Creative Industries**
- **History**
- **Literary and Cultural Studies**

Faculty

History, Literature, and the Arts Department Chair
Amber Day
Literary and Cultural Studies and Arts and Creative Industries

Professor
Ronald Bobroff
History

Professor
Jeffrey Cabusao
Literary and Cultural Studies

Professor
Amber Day
Literary and Cultural Studies and Arts and Creative Industries

Professor
Janet Dean
Literary and Cultural Studies and Arts and Creative Industries

Professor
Terri Hasseler
Literary and Cultural Studies and Arts and Creative Industries

Professor
Martha Kuhlman
Literary and Cultural Studies and Arts and Creative Industries

Professor
Bradford Martin
History

Professor
Thomas Roach
Literary and Cultural Studies

Assistant Professor
Valerie Ann Carrigan
Arts and Creative Industries

Assistant Professor
Danielle Macon
Literary and Cultural Studies

Senior Lecturer
Joan Zaretti

Lecturer
Kathleen Daly
History

Lecturer
Kristen Falso-Capaldi
Literary and Cultural Studies and Arts and Creative Industries

Lecturer
Jennifer Horan
Literary and Cultural Studies

Lecturer
John Howard
Literary and Cultural Studies

Lecturer
Carrie Kell
Literary and Cultural Studies

Lecturer
Bryan Knapp
History

Lecturer
David Liao
Literary and Cultural Studies

Lecturer
Taylor Maroney
Arts and Creative Industries

Lecturer
Eric Paul
Literary and Cultural Studies and Arts and Creative Industries

Lecturer
Jeremy Pearson
History

Lecturer
Ryan Marnane Sonder
Literary and Cultural Studies

Lecturer
Monica Ward
History

Arts and Creative Industries Courses

ACI 220. Introduction to Arts and Creative Industries. 3 Credit Hours.
This course explores creativity and the arts as an essential part of the human experience. Students are introduced to the scholarship of creativity, engage in creative practice, and examine the field of creative industries. With a focus on creativity through visual art, performing arts or creative writing, this course has both a hands-on approach to creative production and a concentration on the industries that support this production. Depending on the section, experiential aspects may include drawing, painting and design (visual arts), improvisation/theater, storytelling and music (performing arts), and poetry, fiction and non-fiction (creative writing). Students will contemplate creativity as an intrinsic part of their personal and professional lives and a driving force in a variety of creative industries.

ACI 221. Arts and Creative Industries Incubator Seminar. 3 Credit Hours.
Students will build upon their Arts and Creative Industries foundations (from ACI 220 – taken during their first year) through workshops, networking, and practical experience in the arts on Bryant University's campus. Students will attend class sessions devoted to the skills needed to work in an arts organization as well as on-site meetings with arts organizations. Class sessions and workshops may include grant writing (for campus grant awards for projects), profile building for on-campus arts organizations, and program evaluation strategies. Networking will include guest speakers as well as interviews with faculty and staff involved in the arts. Students will propose an arts project with one of Bryant University's arts clubs and organizations (the Bryant Players, Bryant Singers, Arts and Creativity Club, Writing Club, etc.) while supervised by a faculty member. Criteria for project proposals will be discussed in class but may include installation of exhibitions.
Prerequisites: ACI 220
Session Cycle: Varies.

ACI 301. Vocal Ensemble Studio. 3 Credit Hours.
This course focuses on performing vocal music in different ensemble traditions, including Western and non-Western vocal genres. Students study vocal technique, reading music and learning by ear. Topics will include melody, harmony, improvisation, vocal effects, arrangements, presentation, audience connection, and vocal recordings. The students in this course will perform as an ensemble in a public performance on campus.
Prerequisites: ACI 220 and Sophomore standing
Session Cycle: Varies.

ACI 302. Performance Studio. 3 Credit Hours.
This course focuses on individual and group performance through practice work in storytelling, theater, improvisation, music, and performance art. Students will study the craft of storytelling, theater monologues and group scenes, and improvisation exercises, and may investigate dance, music, and performance art. Students will participate in a public performance at the end of the semester. No prior experience necessary.
Session Cycle: Varies.

ACI 303. Design in Contemporary Culture. 3 Credit Hours.
This course examines the rhetorical and formal principals of graphic design, with an emphasis on conceptual development and problem-solving. Assignments and lectures encourage students to investigate formal design aesthetics and the nuances of effective visual communication, while developing an understanding of the historical and cultural contexts of design and the role of the designer in society. Creative assignments are part of the coursework.
Session Cycle: Varies.

ACI 304. Music Composition Studio. 3 Credit Hours.
Students will develop their ability to digitally and acoustically compose music that can be used in a variety of formats, such as concerts, film and video games. Students will also have the opportunity to practice more advanced techniques in composition using notation, as well as learn about strategies used in songwriting, orchestration and arranging. No prior experience necessary.
Session Cycle: Varies.

ACI 305. Music Industry: Commerce and Culture. 3 Credit Hours.
This course tells the story of how music and money evolved together and why that story matters. Moving chronologically from the birth of the recording industry through streaming and social media, we'll trace how popular music sounded alongside the business structures, power dynamics, and economic forces that shaped it. Every era gets examined through three lenses: the sound itself, the cultural and economic conditions that produced it, and the specific industry roles and revenue systems that made it possible. We'll watch documentaries, listen to curated playlists, hear from guest speakers working in booking, management, publishing, sync licensing, and distribution, and connect business concepts to the music that made them matter. This is not a production course. You don't need to play an instrument or make beats. It's for anyone who wants to understand how one of the world's most dynamic creative industries actually works, from the inside.
Prerequisites: ACI 220 and Sophomore Standing.

ACI 321. Drawing Studio. 3 Credit Hours.
Drawing is the foundation of visual art and design. This course introduces students to the creative and expressive use of various graphic media such as charcoal, pencil, crayon, chalk, pen and ink and/or brush and wash. The history and practice of specific techniques such as form modeling, spatial illusions and principles of linear perspective will be explored in addition to basic aesthetic and technical drawing skills that enable students to represent three-dimensional objects in an environment.
Session Cycle: Varies.

ACI 322. Art and Design Studio. 3 Credit Hours.
Studio courses offer students hand-on opportunities to explore many creative mediums in the visual arts. Through sustained studio practice, critique and portfolio reviews, students will build skills and proficiency in the medium of focus (collage, painting or advanced design for example) or genre of art (such as socially engaged or environmental art) emphasized in the instructor's specific iteration of the course. Students will have the opportunity to engage with local and regional contemporary art exhibits and artists.
Session Cycle: Fall.

ACI 323. Digital Arts Studio. 3 Credit Hours.
This course is an introduction to digital art studio practice with a focus on digital imaging and cross-media experimentation. Creative projects include creating digital images, sound files and sound and video. Contemporary new media, digital culture and key works by digital artists are explored. Students will explore fundamental concepts and methods of digital media through conceptual and technical manipulation of sound and images. This is a studio course emphasizing creative and critical thinking as well as digital literacy.
Session Cycle: Every Fall Semester.

ACI 324. Digital Photography Studio. 3 Credit Hours.
This course serves as an introduction to creative photographic methods and ideas, integrating technical skills with individual creative goals. Using digital cameras and complimentary tools, students will address the essential technical, conceptual, and artistic problems that have been associated with photography since its birth, as well as some of the new issues that have arisen with the advent of digital imaging.
Session Cycle: Every Spring Semester.

ACI 325. Book Arts Studio. 3 Credit Hours.
Book Arts Studio is a combined focus course with attention to the history, theory and criticism of paper, books and collage, as well as studio practice in making paper and collage, and binding books.
Session Cycle: Spring.

ACI 326. Introduction to Adobe Creative Cloud. 3 Credit Hours.
This course is an introduction to the industry-standard software package for professional graphic designers, artists, and illustrators. Students will learn basic skills in Adobe Creative Cloud software, including Photoshop, Illustrator, and InDesign. Digital image manipulation, digital illustration, and page layout will be covered.
Session Cycle: Varies.

ACI 340. Arts and Entertainment: Issues in Arts Administration. 3 Credit Hours.
This class looks at the institutions, administrators and issues involved in the creative industries. This class will examine arts institutions in cultural context, including community engagement in the arts, cultural policy and public arts; arts administrators and their leadership, roles and responsibilities; and key topics in arts administration, such as arts education and ethics. The course draws on readings and literature from various disciplines and fields in the social sciences, arts administration, and the arts as well as the popular media. Topics will be approached through discussion, case studies, and exercises that connect the readings with practical experience.
Prerequisites: ACI 220
Session Cycle: Every Spring.

ACI 401. Painting Studio. 3 Credit Hours.
This course introduces students to the basic elements of acrylic painting. Students will develop skill and confidence in working from both observation and abstraction, and will explore a variety of techniques including glazing, layering, blending, scumbling, and impasto. Students will cultivate a working knowledge of color theory and explore composition and conceptual content through their work. A diverse array of painters, both historical and contemporary, will be introduced each week. We will also delve into the work of artists who use the painting medium as an agent for social change. As the semester progresses, students will expand upon basic painting skills to develop their own personal aesthetic and style, culminating in a portfolio presented in both physical and digital format.
Prerequisites: ACI 220 and Sophomore Standing
Session Cycle: Every Semester.

History Courses

HIS 250. Emergence of Europe (1000-1600). 3 Credit Hours.
This course examines the origins and early development of Europe from 1000-1600. Topics include the overall character and decline of feudalism, the rise of national monarchies, urbanism and society during the Renaissance and Reformation. Socioeconomic and cultural history is emphasized.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 252. Europe: 1500 to 1815. 3 Credit Hours.
This course provides a study of the political, intellectual, and socio-economic history of early modern Europe from 1500 to 1815. Attention is given to the major transformations of the age, including religious, scientific, and political change, especially the Reformation, Scientific Revolution, and English (Glorious) & French revolutions, and their effects. In the process of doing so, students are also introduced to History as a field of study.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 261. History of the United States to 1877. 3 Credit Hours.
A basic survey and introduction to the field of American history, this course conveys the political, cultural and economic development of the United States through Reconstruction. It provides an understanding of the foundation of the "American way of life".
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 262. History of the United States Since 1865. 3 Credit Hours.
A history of the American experience from the end of Reconstruction to the present, this course focuses on the Urban-Industrial age, the rise of the United States to world leadership, and the important changes that have occurred in the "American way of life" during the past century.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 263. American Women's History. 3 Credit Hours.
In this course students survey American women's history from colonial times to the present. The course shows how the major social, political, and economic developments in American history have affected women in the past. Students examine the lives of "ordinary" women, as well as those of leading women thinkers and activists.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 270. World History to 1500. 3 Credit Hours.
This introductory survey course traces the development of humanity and society from the dawn of history to 1500, and provides insight into the wide spectrum of ideas, institutions, and life practices that different people and cultures around the world have created. Various representations of "civilizations" and "community" are considered.
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 271. World History Since 1500. 3 Credit Hours.
An historical study of the major regions and cultures of the world during the last five centuries, with attention to their connections and interactions and to the development of global trends. Political, economic social, intellectual, and cultural factors will be considered, and special emphasis will be placed on the emergence and the challenges of the people of the "third world". One theme will be an analysis of the processes of "modernization".
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 272. Introduction to Latin American History. 3 Credit Hours.
This course is a basic survey of Latin American history from before the European invasions to the recent past. The course emphasizes both the diversity of the Latin American experience across time and space and the persistence of certain historical continuities in the region: intense political and cultural conflict, deep social and economic inequality, and longstanding domination by externally-based imperial and neo-imperial powers.
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 273. History in the World Today. 3 Credit Hours.
The course requires students to formulate and support coherent arguments about complex historical problems in class discussions, essay exams, and writing projects. It strengthens students' global perspective by encouraging historical analysis of selected current world events and the U.S. relationship to/involvement in those events. By introducing students to historical methods and theory it enables them to understand more deeply one of the key disciplines associated with the humanities. This course is required for history majors and concentrators.
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 282. Introduction to American Studies. 3 Credit Hours.
This course introduces students to key themes, concepts, and debates in American Studies. Students use a foundation in American Studies methodology to interpret a range of materials and develop a richer understanding of the United States, its cultures, and its peoples. Objects of study may include literary texts, films, historical documents, music, visual art, and products of popular culture. Specific course topics may vary. This course is cross-listed with LCS 282.
Session Cycle: Varies
Yearly Cycle: Annual.

HIS 302. To Arms! History of Modern France. 3 Credit Hours.
This course examines the social and political evolution of France from the eighteenth century through World War I in the context of economic and cultural developments. Emphasis will be given to the French Revolution starting in 1789, the Napoleonic experiences, French attempts to break out of diplomatic isolation, the rapid expansion of the French Empire, and the maturation of the bourgeoisie. French realist literature, Impressionism the growth of consumer culture and the French experience of the fin-de-siècle crisis of masculinity will be noted.
Prerequisites: 200-level history course
Session Cycle: Alternate Spring Semesters
Yearly Cycle: Annual.

HIS 303. French Studies. 3 Credit Hours.
Biocultural theory posits the co-evolution of genes and culture. Language, culture, and imagination confer survival advantages to humans as a social species and have preserved evolved human complexity. This course takes biocultural approach to the works of French philosophers such as Montaigne, Descartes, Rousseau, Diderot, Voltaire, Saussure, Derrida, Beauvoir, Foucault, and Lacan. Students may take the course more than once, as different iterations. Topics of a given iteration may include humanism, skepticism, dualism, primitivism, language, textualism, indeterminacy, relativism, feminism, constructivism, historicism, and psychoanalysis. Materials and instruction are in English. This course is cross-listed with LS 303.
Prerequisites: 200-level History course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

HIS 304. Italian Studies. 3 Credit Hours.
This course focuses on the history, society, politics, culture, and economics of modern Italy and its predecessors on the Italian Peninsula. Students may take the course more than once, as different iterations. Topics of a given iteration may include humanism, science, philosophy, the Inquisition, fascism, and the Vatican. Materials and instruction are in English. This course is cross-listed with LS 304.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

HIS 351. History of Modern Europe: 1815 to the Present. 3 Credit Hours.
This course examines the major political, economic and intellectual developments since 1815. It emphasizes the significant events, patterns, and themes in Western history within the context of the modern world.
Prerequisites: 200-level history course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 354. Trends in Modern Thought. 3 Credit Hours.
This course offers a selected history of modern and post-modern themes, ideologies and values in Euro-America (Western civilization) since the Renaissance. Special emphasis is placed on analyzing social, political and philosophical questions and writings in context. The thematic focus of the course (e.g., individualism) may change from year to year.
Prerequisites: 200-level history course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 361. Gender and World War II. 3 Credit Hours.
Early in 1943, Max Lerner, the well-known author and journalist, writing for the New York newspaper, PM, predicted that "when the classic work on the history of women comes to be written, the biggest force for change in their lives will turn out to have been war." This course explores the question of whether or not World War II served as a major force for change in the lives women, both in the United States and around the globe. The experiences of a broad socio-economic and ethnic cross-section of wartime women are examined. In addition to the United States, areas of the world examined include women in China, France, the United Kingdom, the Soviet Union, Germany, and/or Italy.
Prerequisites: 200-level history course and sophomore standing
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 362. The United States in the 1960's. 3 Credit Hours.
This course examines the main contours of political, economic, social, and cultural life during the 1960's. Special areas of focus include: the Civil Rights Movement, the New Left, the Vietnam War, the antiwar movement, the resurgence of conservatism, the demise of the New Deal Coalition, the emerging women's liberation movement, the effect of social and cultural movements on business, and the intersection of artistic and cultural expressions with politics. The relationship of popular mythology and collective memories concerning the 1960's with "objective" historical analysis constitutes another key area of concern.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 364. History of American Technology. 3 Credit Hours.
This course treats the history of technology in the contexts of American business and social history. Focusing on the 19th and 20th centuries, the course first places technological change within the context of larger developments in American history. From that basis, the course then moves on to deal with the impact of technology in American social institutions, business, and culture.
Prerequisites: 200-level history course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 365. The United States and World Politics, 1890 to the Present. 3 Credit Hours.
This course examines the origins and development of the United States as a great world power from the Spanish-American War to the post Cold War era. Focusing on the connections between international and domestic events, the course evaluates the role of the US as a global power over the past century.
Prerequisites: 200-level history course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 366. Race in America. 3 Credit Hours.
This course examines major issues in race relations from the perspective of both black and white Americans from the onset of slavery to the present. The course examines the origins and functioning of American slavery, with consideration to the Atlantic slave trade and the role of U.S. slavery within the context of New World slavery; the relationship between European immigrants and African-Americans in terms of the formation of whiteness and the historical meaning of white skin privilege ; abolitionism and antislavery; the development and functioning of Jim Crow segregation; 2nd Reconstruction; the civil rights movement; and the significance of race during the post-civil rights era.
Prerequisites: 200-level history course
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 367. The History of American Popular Culture. 3 Credit Hours.
This course explores the historical context of various expressions of American popular culture in a variety of media, including: literature, film, radio, television, music, performance, advertising, style and fashion, food, and the internet. It examines the meaning of popular culture to its audiences and the way those audiences use and transform cultural products as part of their everyday lives. Attention is given to popular culture's relationship to "high culture," to economics and commerce, and to social and political developments including, but not limited to the emergence of working-class culture, the Great Depression, the Cold War and McCarthyism, the Civil Rights Movement, the Vietnam War, and the Women's Liberation Movement.
Prerequisites: 200-level history course
Session Cycle: Winter
Yearly Cycle: Varies.

HIS 368. Gender and American Culture in the 1950s. 3 Credit Hours.
This course provides students the opportunity to examine the cultural complexities of the 1950s and to appreciate it as a period of conservatism and restraint as well as a time of notable social change for women. It uses the enormously popular I Love Lucy television series (1951-1957) and Betty Friedan's classic work, The Feminine Mystique (1963), as well as related readings, to show how many women of the fifties challenged the stereotype of domestic, quiescent, suburban womanhood as they engaged in multifarious and diverse activities that helped pave the way for the social protest movements of the 1960s.
Prerequisites: 200-level history course and Sophomore standing
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 369. U.S. Latin American Relations 1820 to Present. 3 Credit Hours.
This course examines the history of relations between the United States and the nations of Latin America from the era of the Monroe Doctrine to the present.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

HIS 371. History of Russia. 3 Credit Hours.
This course provides an historical study of the evolution of Russian society from the Age of Kiev to the present including the era of the tsars and the Soviet period. Special attention is given to the contemporary situation in Russia.
Prerequisites: 200-level history course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

HIS 372. History of East Asia. 3 Credit Hours.
This course consists of an historical study of the ideas and institutions of the countries of East Asia with primary focus on developments in China in ancient times and in the modern era since 1800. Contemporary problems are also discussed.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

HIS 373. History of Modern Africa. 3 Credit Hours.
This course provides background for an analysis of some of the major problems of contemporary African life. Topics include the ancient culture of Africa, the slave trade, colonialism, African nationalism, and current political, economic and social trends in Africa.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

HIS 375. History of Modern Japan. 3 Credit Hours.
This course provides a survey and examination of Japanese history from its beginnings to the twentieth century, and includes a consideration of political, social, economic, intellectual, and cultural developments. Emphasis is placed on the evolution of Japanese traditions and values and their sources, and also on the history and practices of Japanese business. A major portion of the course will deal with the modern period and Japan's successes and failures as a modern nation.
Prerequisites: 200-level history course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

HIS 380. Doing Public History. 3 Credit Hours.
This course enables students to examine local history and communicate their findings to a broad, public audience. Students will engage in current and past debates about “whose history” we are documenting and “for whom” we are presenting that history. Students will be encouraged to look for hidden voices, silenced voices, and find innovative ways to bring these voices to the forefront. Practitioners of public history work in museums, archives, historic sites, landmarks, architecture firms, government offices, and beyond, where they aim not just to share historical information with diverse audiences, but to critically examine how history is presented.
Prerequisites: 200-level history course
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 386. History, Law, and the Holocaust. 3 Credit Hours.
This course will explore in depth the Holocaust and its impact on the development of international law after 1945. Topics will include anti-Semitism, the rise of Hitler, the Final Solution, minority rights, domestic legal actions against perpetrators, the Nuremberg International Military Tribunal, Allied military courts, and subsequent national and international trials of accused Nazi war criminals. The course concludes with an examination of some of the leading post-Nuremberg topics in international human rights law today, including peremptory norms, transitional justice, hate speech prohibitions, and Holocaust denial. This is a cross-listed course with LGLS 386.
Prerequisites: 200 level history course and sophomore standing
Session Cycle: Varies
Yearly Cycle: Annual.

HIS 400. Buy American: Consumer Culture in U.S. History. 3 Credit Hours.
Why do Americans buy so much stuff? What do our things say about our identities, as individuals and a nation? This course examines the rise of a consumer culture in U.S. history from the 19th to 21st centuries. Through the use of interdisciplinary case studies, we will explore the complexities of the American consumer society, incorporating historical, political, social, and economic approaches. Case studies draw on images, material cultural and object analysis, architecture, and design. Topics include the histories of mass marketing, advertising, department stores, and consumer activism. The course also considers criticisms of American consumer culture, including anti-materialism, environmental critiques, and structural inequalities.
Prerequisites: 200-level history course
Session Cycle: Varies.

HIS 411. The American Revolution. 3 Credit Hours.
This course charts the creation of the American Republic from the Seven Years War to the formation of a new national government under the Constitution. We will examine the revolution itself: its causes, its larger Atlantic context, the way it was fought, and its consequences for the many peoples of America and the new United States. Students will be tasked with a small research paper or equivalent project that examines Rhode Island's involvement in America's War for Independence. Particular attention will be given to the First Rhode Island Regiment and Rhode Island's Indigenous population.
Prerequisites: 200-level history course and Sophomore Standing
Session Cycle: Every Spring.

HIS 435. World War I: Causes, Courses, and Consequences. 3 Credit Hours.
This course examines one of the seminal events of the twentieth century - the First World War. The course will start by examining what factors led not just to a regional conflict but a global conflagration. These factors will include political, cultural, and military considerations. We will then examine the nature of the war experience, both at the front and at home. As the first Total War, World War I left few people untouched in the combatant countries, whether they wore a uniform or not. After an examination of why the war ended when it did and the peacemaking process, the course concludes with a study of the legacy of the war, stretching to the present time.
Prerequisites: one 200-level HIS course
Session Cycle: Fall
Yearly Cycle: Alternate Fall Semesters.

HIS 451. The World Since 1945. 3 Credit Hours.
This course examines major developments in global history since 1945, considering topics such as the capitalist and socialist world-systems, the Cold War, imperialism, and third world independence movements, and the so-called "new world order." Special emphasis is placed on the interaction between Western and non-Western societies.
Prerequisites: 200 level history course
Session Cycle: Fall, Summer
Yearly Cycle: Annual.

HIS 452. History of Modern Britain. 3 Credit Hours.
In this advanced course students trace the history of Great Britain from the Glorious Revolution of 1688 to the present, concentrating on cultural history and utilizing a socio-political perspective. Themes include the development of capitalism, constitutionalism, industrialism and imperialism, and the impact of the British expressions of these forces on modern globalization.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 453. History of Modern Science. 3 Credit Hours.
This course presents a history of the modern natural sciences from the eighteenth to the twentieth centuries, treating the development of modern physics, chemistry, geology, and biology. Students need no special background in science. The course focuses on conceptual problems and the culture of science rather than on the content of science. Examples of special topics include the development of the Newtonian world-view, the challenges of relativity and the quantum, how alchemy led to modern chemistry, why so many early geologists were churchmen, and how Darwinian evolution differed from other nineteenth-century evolutionary theories. The course is geared to the capabilities of students without specialized background in history and science.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 454. Foundations of the Modern Middle East. 3 Credit Hours.
The goal of this course is to provide students with the foundation necessary to better understand the history, culture, and geopolitics of the modern Middle East. The elements of this foundation include, among other things, God's Covenant with Abraham and the Abrahamic Faiths, the establishment of the Kingdom of Israel, the Babylonian Captivity, the Rise of Islam, the early Caliphates, the Sunni-Shia Split, the Crusades, the Ottoman Empire, and the British Mandate of Palestine. With this background in place, the last quarter of the course we will turn to The Arab-Israeli conflict, which is one of the longest and most intractable geopolitical problems in the world, and probably the most controversial. We will discuss the emergence of Zionism and Arab nationalism in the nineteenth century.
Session Cycle: Varies.

HIS 461. History of Contemporary America. 3 Credit Hours.
An intensive examination of the forces and events that have shaped the recent American past, this course stresses domestic politics, social change, urbanization, civil rights and modern ecological problems.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 463. The United States in the 1970s and 1980s. 3 Credit Hours.
This course explores the major political, social, cultural, and economic shifts in American life during the 1970s and the 1980s. Special areas of focus include the ascendancy of conservatism, the retreat of liberalism, rising economic inequality, women's and gay liberation, the expanding role of the media in American politics, the veneration of corporate America, and expressions of such in the era's popular (and sometimes unpopular) culture. The relationship of popular history and collective memory of the 1970s and 1980s with "objective" historical analysis constitutes another area of emphasis. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: 200-level history course
Session Cycle: Varies
Yearly Cycle: Varies.

HIS 490. Seminar in Historical Inquiry. 3 Credit Hours.
For seniors concentrating in History, this seminar provides extensive, practical experience in the craft of historical research and writing. Further, it examines select themes in historiographical and/or philosophical debates concerning history as a special type of knowledge. Requirements include a substantial research paper. Permission of instructor and HIS 273 are required.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 497. Directed Study in History. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the history department. The main requirement of the course is the development of a substantial paper or project. Permission of department chair and faculty member is required.

HIS ST200. Special Topics in History Modern American Civil Rights Movement. 3 Credit Hours.
This course traces the origins and history of the Black freedom struggle from the 1950s through the 1970s. The organizations, leadership, and ideologies of the movement are considered through firsthand accounts, speeches, songs, images, and film. We will consider both the famous figures of the movement as well as the contributions of countless young people, women, and LGBTQ people. Finally, we will consider what has become the “official” narrative of the movement and what has been left out, as well as connections to the Black Lives Matter movement. Readings will emphasize recent scholarship.

HIS ST201. Special Topics in Native American History. 3 Credit Hours.
This course is designed to be an introduction to the history of Indigenous peoples of North America from pre-contact to present. This course aims to teach from the Indigenous perspective through a variety of primary and secondary sources and provide students with a new understanding of American History with Native people reinserted as principal actors and determinants of events.
Session Cycle: Alternate Fall Semesters.

HIS ST300. Special Topics in History Race and Slavery in the Atlantic World. 3 Credit Hours.
A history of race and slavery in the Atlantic World between the 15th and 19th centuries, with a particular emphasis on the economic, social, and cultural impact of the trans-atlantic trade in enslaved Africans (a crucial component of 'globalization" during that era) on the development of European-ruled societies in the Americas.
Prerequisites: 200-level History course.

HIS ST305. Special Topics in History The Space Race: A History. 3 Credit Hours.
This course examines the evolution of manned space flight over the twentieth century. Starting by looking at the rocket pioneers and continuing through the rocket experiments of the Second World War, the course focuses on the Cold War rivalry that culminated in the America moonwalks. The course finishes with a look at an under-examined side of how the US got men into space: the human computers who were integral to the understanding of orbital dynamics, and especially the African-American women who played a central role in that effort.
Prerequisites: 200-level history course.

HIS ST401. Special Topics in History War Crimes in World History. 3 Credit Hours.
The course explores the global history of war crimes and the legal response to them. It traces human efforts to limit warfare, from codes of war in antiquity designed to maintain a religiously conceived cosmic order to the gradual use in the modern age of the criminal trial as a means of enforcing universal norms. The course locates the evolution of the law of war in the interplay between different cultures. While showing that no single philosophical idea underlay the law of war, the course demonstrates that war in global civilization has rarely been an anarchic free-for-all. Rather, from its beginnings warfare has been has been subject to certain constraints defined by the unique needs and cosmological understandings of their cultures.
Prerequisites: 200-level history course, sophomore standing or permission of the instructor.

History, Literature the Arts Courses

HLA 391. History, Literature, and the Arts Internship. 3 Credit Hours.
Supervised experiential engagement in the areas of History, Literature, and the Arts, allowing students to connect History, Literature, and the Arts concepts with hands-on projects in professional settings. Students contribute at least ten hours per week at their placement site and check in regularly with a faculty supervisor. Open to Sophomores, Juniors, and Seniors with department chair approval.
Prerequisites: Junior Standing.

Literary and Cultural Studies Courses

LCS 220. Introduction to Arts and Creative Industries. 3 Credit Hours.
This course explores creativity and the arts as an essential part of the human experience. Students are introduced to the scholarship of creativity, engage in creative practice, and examine the field of creative industries. With a focus on creativity through visual art, performing arts or creative writing, this course has both a hands-on approach to creative production and a concentration on the industries that support this production. Depending on the section, experiential aspects may include drawing, painting and design (visual arts), improvisation/theater, storytelling and music (performing arts), and poetry, fiction and non-fiction (creative writing). Students will contemplate creativity as an intrinsic part of their personal and professional lives and a driving force in a variety of creative industries.

LCS 221. Studies in Fiction. 3 Credit Hours.
In this course, students investigate various forms of narrative literature such as novels, short stories, and experimental narrative forms. Imaginative and active readings of these forms will be encouraged through study of the theoretical literature as well as historical and cultural contexts.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 222. Studies in Nonfiction. 3 Credit Hours.
This course will offer students the opportunity to read, analyze, and conduct research on works of nonfiction. Featured texts for study may include biographies, autobiographies, news reportage, journalism, nonfiction novels, essays, film documentaries, collections of letters, and journals.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 223. Studies in Poetry. 3 Credit Hours.
In this course students will investigate the power of poetry from diverse perspectives. Focusing primarily upon poetry as a craft, students will come to understand the relationship between the strategic decisions poets make and the meanings derived through active and imaginative reading. In addition, students will examine poems as the results of historical and cultural circumstances and as products of poets' experiences.
Session Cycle: Varies.

LCS 224. Introduction to Hip-Hop Culture. 3 Credit Hours.
This course explores hip-hop culture and its impact on society. Introduction to Hip-Hop Culture delves into the birthplace of Hip-Hop, the West African cultural influences, and the diverse musical traditions that set its foundation, such as blues, jazz, funk, and soul. It examines hip-hop as a significant cultural and political movement shaping African American identity in American society. Introduction to Hip-Hop Culture will provide an overview of the cultural movement and art form through several critical themes, including African Cultural Retention in the American Context, the History of African American Music Traditions and the Birth of Hip-Hop, Political Activism in Hip-Hop, Gender Dynamics in the Black Community and Hip-Hop Culture, and Hip-Hop and its Global Impact. This course compels students to think, write, engage with, and discuss hip-hop's origins, themes, and future in the context of African American life, history, and culture.

LCS 225. Professional Writing. 3 Credit Hours.
This professional writing course introduces students to the strategies and skills necessary for effective written communication and documentation across a variety of fields. Through critical analysis and applied practice, this course fosters an understanding of professional writing as both a practical skill and an ethical responsibility. Focusing on adapting complex, field-specific knowledge for diverse and general audiences, students will learn to analyze and produce clear, engaging documents tailored to professional contexts. Additionally, students will explore the ethical dimensions of professional writing, including issues of accuracy, confidentiality, bias, and responsible use of AI tools in workplace communication, preparing students to navigate professional discourse in their careers.
Prerequisites: Sophomore Standing
Session Cycle: Every Fall Semester.

LCS 230. Introduction to Film Studies. 3 Credit Hours.
This course has three major aims: to introduce students to what might be called the language of film, to investigate the relationship between movies and culture, and to consider film as both an art form and a social practice. Students will examine the tools filmmakers employ to bring their works to the screen, including cinematography, production design, acting, editing, music, sound design, and narrative structure. Students will also focus on how the cinema both reflects and perpetuates aspects of culture, investigating images of masculinity, femininity, class, and race relations. By semester's end students should have a much clearer sense of what goes into the making of movies, and should have become more active, critical viewers of film. This course is cross-listed with COM 230.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LCS 240. Introduction to the Environmental Humanities. 3 Credit Hours.
Why has nature been considered separate from human culture and why has this disconnect persisted? How can the humanities prepare us to face and accept the climate crisis and create new processes, connections, and ways of thinking and being to meet this challenge? From visual art and film to philosophy, literature, and popular culture, introduction to the environmental humanities and ecocriticism tackles these questions while raising more about ethical and political considerations for the environment, nonhuman animals, and environmental justice. Emphasis will vary.

LCS 250. Women, Gender, and Sexuality Studies. 3 Credit Hours.
This course offers students the opportunity to apply a critical lens to fundamental structures of human interaction and cultural production. Students learn about current scholarship in women's history and culture, gender studies, sexuality studies, feminist and trans* theory. Questions motivating this scholarship include: How have gender and sexuality been used as systems of social control throughout history? How have they served as catalysts for social change? Are gender and sexuality biologically determined or socially constructed? What messages do mass media and popular culture communicate about gender and sexuality, and how do these messages influence self-identity? In studying a range of interdisciplinary perspectives, students develop a deeper understanding of the structures of power that shape gender and sexual identity. This course is cross-listed with WGS 250.

LCS 251. Studies in Drama. 3 Credit Hours.
This course focuses on dramatic literature in its various forms. Students will examine representative works, which may be drawn from any historical, cultural, and social documents. Elements of performance may also be addressed.

LCS 260. Introduction to Philosophy. 3 Credit Hours.
Philosophy is the study of ideas central to the ways we think and live. However, the value of many of our key concepts is often hidden or taken for granted. We forget why truth matters or acting decently is a minimal requirement for treating others justly. Philosophy cultivates techniques for understanding the reasons for our choices, actions, thoughts and beliefs. Philosophy, more than any other field, is not so much a subject as a way of thinking, one that can be appreciated fully only by joining in. When reading about metaphysics, for example, you want to consider your own views of reality. Arguments are from Western and non-Western as well as classical and contemporary philosophies.

LCS 270. Introduction to Cultural Studies. 3 Credit Hours.
Students will have an opportunity to reflect upon a wide variety of texts —from art and literature to various forms of popular culture (such as film, television, popular music, celebrities, sports culture). Cultural studies ask questions such as: What are cultural practices and their relationship to power? What does it mean to make culture and to be made by culture? How do we study culture as it is situated in society and its multiple conflicts? With this course as a foundation, students will be able to take advanced courses in Literary and Cultural Studies that build upon diverse traditions of cultural studies—diasporic studies, disability studies, ethnic studies, gender and sexuality studies, media studies, women's studies.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LCS 280. Introduction to World Music. 3 Credit Hours.
In this course, students learn about music as an expressive art form. Part of the course is dedicated to "hearing" music, where students build a vocabulary of terms for describing music and expanding their ability to appreciate a diverse body of sounds. Learning terms, such as timbre, melody, harmony, as well as indigenous vocabularies, and listening to musical examples are central components of this course. In addition to hearing music, students also study the cultures of music, which includes understanding different conceptions of aesthetics, traditions, values, politics, and other areas of society that inform the composition and performance of music. Through listening to and learning about music in many parts of the world, students will better appreciate diverse ways of hearing sound and expressing culture.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LCS 282. Introduction to American Studies. 3 Credit Hours.
This course introduces students to key themes, concepts, and debates in American Studies. Students use a foundation in American Studies methodology to interpret a range of materials and develop a richer understanding of the United States, its cultures, and its peoples. Objects of study may include literary texts, films, historical documents, music, visual art, and products of popular culture. Specific course topics may vary. This course is cross-listed with HIS 282.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 326. Critical AI Studies. 3 Credit Hours.
Does the rise of AI signal the end of the humanities, or a new era of co-evolution? This course examines the intersection of human intelligence and machine learning through the lens of philosophy, art, and ethics. Using empirical and theoretical research, students debate whether machines can possess consciousness, how AI inherits systemic bias, in addition to AI impacts on our relation to borders, cultural difference, the environment and other pressing issues. We ask how "thick" humanistic methods such as close reading, inter-medial practices (traditional and NN-based), and process-oriented learning can challenge or support AI computing. Through a mixture of multi-disciplinary texts, reflections, AI prompts, and creative projects, students will leverage the humanities to foster critical thinking about human-machine interactions, creativity, and meaning making in a post-AI world.
Prerequisites: Sophomore Standing
Session Cycle: Every Spring Semester.

LCS 341. Philosophy of Art. 3 Credit Hours.
This course examines the history of aesthetic theory to see various and conflicting ways in which people have understood the nature and purpose of art. It also examines art and its many forms - visual arts, literature, music, film, performance - to consider the philosophical issues raised by the art itself.
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 352. Studies in Poetry. 3 Credit Hours.
In this course students will investigate the power of poetry from diverse perspectives. Focusing primarily upon poetry as a craft, students will come to understand the relationship between the strategic decisions poets make and the meanings derived through active and imaginative reading. In addition, students will examine poems as the results of historical and cultural circumstances and as products of poets' experiences.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 354. Animation Theory, History, Practice. 3 Credit Hours.
Animated film has a long rich history and an exciting present. Some of the earliest "moving images" were made using animation techniques; early film abounded with creative use of animation; many of us grew up loving Disney as children and anime' as young (and not so young) adults; some of the most exciting films of our own era, like Avatar, deploy animation techniques for their stunning visual style, and animation's significance transcends the cinema in video games and military training and news simulations. This course is built upon the premise that animation is a vital component of film studies and central to contemporary visual culture and aesthetics. Students in this course will explore its theory, history and practice.
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 356. Studies in Narrative. 3 Credit Hours.
In this course, students investigate various forms of narrative literature such as novels, short stories, and experimental narrative forms. Imaginative and active readings of these forms will be encouraged through study of the theoretical literature as well as historical and cultural contexts.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 357. Studies in Ethnic Literature of the United States. 3 Credit Hours.
This course examines the literature of the United States from the perspective of minority writers: African, Asian, Hispanic, Chicano and Caribbean Americans. Students will explore the ways in which these "other" Americans have brought their various backgrounds and differing world views to bear upon the national literature. Emphasis will vary.
Session Cycle: Fall
Yearly Cycle: Varies.

LCS 358. Introduction to Studies in Jazz. 3 Credit Hours.
This course introduces students to the American art form of jazz, building an appreciation of it, its different forms, its practitioners, and the various cultures that spawned and have nurtured it. The course includes music theory; African, American, and European social and cultural history; jazz's roots in slave, Gospel, R&B, blues, and soul music; the economics of the music and recording industries; and the relationship between the bounded culture of jazz and its adherents and the larger dominant culture.
Prerequisites: Sophomore standing
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 359. Music and Society. 3 Credit Hours.
In this course, students learn about traditional and popular musicians, songs, and genres in different parts of the world, and the ways that music impacts communities, politics, and everyday life. Students study musical aesthetics, traditions, values, and other cultural attributes that shape compositions and performances. Through listening to and learning about music in many parts of the world, students gain a stronger fluency in listening to and talking about music, as well as in comprehending the roles that music plays in shaping the world around us.
Prerequisites: sophomore standing.

LCS 360. Studies in Nonfiction. 3 Credit Hours.
This course will offer students the opportunity to read, analyze, and conduct research on works of nonfiction. Featured texts for study may include biographies, autobiographies, news reportage, journalism, nonfiction novels, essays, film documentaries, collections of letters, and journals.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 361. Studies in International Literature. 3 Credit Hours.
This course focuses on the interrelations between representative texts from different cultures. The course may concern the literature of a particular region (Central Europe, Latin America) or a specific historical moment (literature of the New Europe). Readings in literary theory address how to approach diverse literary and cultural texts from a variety of countries. Readings, both fictional and theoretical, will be in English translation.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 362. Topics in the Environmental Humanities. 3 Credit Hours.
How can the humanities prepare us to face and accept the climate crisis and create new processes, connections, and ways of thinking to meet this challenge? Drawing on vibrant, recent scholarship in the interdisciplinary environmental humanities including visual culture, ecocriticism, film, literature, Indigenous Studies, critical race studies, new materialisms, and animal studies, this course examines historical and contemporary relationships between human and more-than-human worlds of nature and the environment. Course topic themes will vary, but each iteration of LCS 362 will present opportunities for critique and creative production.
Prerequisites: Sophomore standing
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 363. British Literary Contexts Beginnings to the Restoration. 3 Credit Hours.
This course examines the critical, social, cultural, and historical contexts crucial for understanding British literacy production from the beginnings to the Restoration. Materials will include canonical and non-canonical works representing the broad diversity of perspectives and voices in British literature. Students will employ a variety of current critical methodologies to examine the ways texts both reflect and shape political and aesthetic values.
Session Cycle: Fall
Yearly Cycle: Annual.

LCS 364. British Literary Contexts Restoration to the Present. 3 Credit Hours.
This course examines the critical, social, cultural, and historical contexts crucial for understanding British literary production from the Restoration to the present. Materials will include canonical and non-canonical works representing the broad diversity of perspectives and voices in British literature. Students will employ a variety of current critical methodologies to examine the ways texts both reflect and shape political and aesthetic values.
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 365. American Literary Contexts Beginnings to the Civil War. 3 Credit Hours.
This course explores the critical, social, cultural, and historical contexts crucial for understanding American literary production from periods before European contact to just after the Civil War. Materials include canonical and non-canonical works representing the broad diversity of perspectives and voices in American literature. Students will employ a variety of current critical methodologies to examine the ways political tensions, social movements, cultural shifts and other influences shape, and are shaped by, American literary texts.
Session Cycle: Varies
Yearly Cycle: Alternate Years.

LCS 366. American Literary Contexts Civil War to the Present. 3 Credit Hours.
This course explores the critical social, cultural, and historical contexts crucial for understanding American literary production from after the Civil War to the present. Materials include canonical and non-canonical works representing the broad diversity of perspectives and voices in American literature. Students will employ a variety of current critical methodologies to examine the ways political tensions, social movements, cultural shifts and other influences shape, and are shaped by, American literary texts.
Session Cycle: Varies
Yearly Cycle: Alternate Years.

LCS 370. Poetry Writing Workshop. 3 Credit Hours.
The Poetry Writing Workshop introduces students to a hands-on opportunity to see how poetry is built. Through regular presentations of their original writing to the class, students learn to harness their imaginative potential while gaining important craft tools in form, revision, and the discipline of the art of writing. The fundamental structure of poetry is examined in assignments dealing with poetic devices, narrative point of view, imagery, and theme. Multiple exercises and poem assignments help students to work as writers do through the process of drafting, feedback, and rigorous revision. Outside readings illustrate how well-known writers have successfully dealt with writing situations applicable to student work. Additionally, students gain exposure to the contemporary writing world through presentations on literary journals, researching agents, college-level writing contests, and area readings.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 371. Fiction Writing Workshop. 3 Credit Hours.
The Fiction Writing Workshop introduces students to a hands-on opportunity to see how stories are built. Through regular presentations of their original writing to the class, students learn to harness their imaginative potential while gaining important craft tools in form, narrative voice, revision, and the discipline of the art of writing. The fundamental structure of fiction is examined in assignments dealing with setting, character development, imagery, plot, and theme. Multiple exercises and story assignments help students to work as writers do through the process of drafting, feedback, and rigorous revision. Outside readings illustrate how well-known writers have successfully dealt with writing situations applicable to student work. Additionally, students gain exposure to the contemporary writing world through presentations on literary journals, researching agents, college-level writing contests, and area readings.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LCS 372. Creative Writing Workshop. 3 Credit Hours.
The Creative Writing Workshop offers students the opportunity to explore creative writing in specific genres or areas. Each course will address a distinct creative writing topic (for example, creative non-fiction, writing for children, memoir, or screenwriting). The course includes reading and study of the form, extensive drafting, and critique.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 374. Modern Art in Europe 1880-1945. 3 Credit Hours.
The politics and practice of visual art movements in Europe from the 1880s to World War II is the focus of this class. Avant Garde art movements and styles from this era include symbolism, expressionism, cubism, abstraction, futurism, and surrealism. Modern visual art of the late 19th and early 20th centuries will be discussed in terms of formal, political, historical, theoretical and social contexts. Students engage with critical and theoretical texts as well as the presentation of modern art in the context of cultural institutions.
Prerequisites: GEN 106 and sophomore standing
Session Cycle: Fall
Yearly Cycle: Alternate Years.

LCS 376. Global Art History Before 1850. 3 Credit Hours.
This is a roughly chronological series of case studies that explore histories, interpretations and reception of art and visual culture from prehistory to 1850. Emphasis is placed upon western narratives of art in the context of global contact, migrations, trade, colonialism and empire.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 378. African American Studies. 3 Credit Hours.
This course explores the past and present experiences, cultures, and achievements of people of African descent in the United States. It examines the history of slavery, colonialism, and systematic racism and their lasting effects. It also considers the complexity of Black identity in all of its incarnations. The specific focus of the course will vary.
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 379. Asian American Studies. 3 Credit Hours.
This course will allow students to explore the development of the field of Asian American Studies. Since its inception in 1969, Asian American Studies has developed into an incredibly rich interdisciplinary field that overlaps not only with the humanities but also with areas such as public policy, law, psychology, education, and social work. This course will provide an overview of three strands of Asian American Studies: literary studies, cultural studies, and social movement history in the United States. We will examine a variety of cultural texts: scholarly essays, documents from the Asian American Movement, imaginative literature, memoirs, films, hip hop/spoken word.
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 380. Latin American Studies. 3 Credit Hours.
This course carefully examines a variety of Latin American and Latinx traditions, histories, and forms of cultural production. It aims at expanding students' knowledge of Latin America, including U.S. Latinx communities, while providing the necessary tools to develop a culturally sensitive frame of reference. Emphasis may vary.
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 381. Native American Studies. 3 Credit Hours.
This course offers an interdisciplinary introduction to the history, culture, and contemporary experiences of Indigenous people in North America. Students will examine topics such as the impact of settler colonialism on Indigenous societies; the fight for political, cultural, and intellectual sovereignty; and strategies of decolonization, revitalization, and empowerment. Materials will reflect the broad diversity of Indigenous communities and contexts and may be drawn from film, visual art, music, education, performance, literature, activism, museum studies, and other modes of expression.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 382. American Studies. 3 Credit Hours.
This course examines primary sources - historical documents and novels - that have contributed to the formation of United States national culture. A selective history of American writing will provide the context for reading a set of classic American novels. Authors may include Herman Melville, Mark Twain, Willa Cather, and William Faulkner. Students that receive credit for ECS 382, American Studies cannot receive credit for this course.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 383. Sexuality and Culture. 3 Credit Hours.
This course will deal with a modern Western invention: "sexuality." The historical premise of the course is that during the second half of the 19th century pre-modern understandings of human sexuality were radically reconfigured to make way for new sexual paradigms organized around "homosexual" and "heterosexual" definitions. Both historical and theoretical, this course analyzes key texts from the canon of sexuality studies (Freud, Kinsey, Foucault, e.g.) and explores the cultural struggles resulting from thinking sexuality in binary terms: not only homosexual/heterosexual, but natural/unnatural, normal/deviant, biological function/pleasure.
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 386. African Heritage in the Americas and Caribbean. 3 Credit Hours.
The objective of this course is to provide an international perspective of the African Diaspora by focusing on critical analysis of cultural products by authors and artists of African descent. We study a variety of cultural expressions including, music, festivals, literature, painting and religion. The primary focus is on Latin America and the Caribbean, although discussions will remain a dialogue with works by scholars and artists from Africa, United States and Britain.
Prerequisites: Sophomore standing
Session Cycle: Fall
Yearly Cycle: Annual.

LCS 387. African Popular Culture. 3 Credit Hours.
In this course we examine multiple forms of music, literature, and art in sub-Saharan Africa to better comprehend their purpose and function in daily African life. Music, literature, and art reflect a diversity of ideas that exist on the African continent. These artistic forms teach us about history, politics, and culture, as well as artists' views of their social conditions. By the end of this course, students will have a strong appreciation for the diversity of people and art in contemporary Africa, and a working knowledge of the current issues and concerns facing people living on the continent.
Session Cycle: Fall
Yearly Cycle: Varies.

LCS 388. Religious Studies. 3 Credit Hours.
This course can cover a variety of religions, including Hinduism, Buddhism, Confucianism, Judaism, Christianity, and Islam. Currently, this course is taught as an introduction to Judaism through the examination of traditional texts throughout Jewish history. Biblical, Rabbinic, legal, philosophical and theological works will be studied through traditional partnered text study, along with modern scholarship on the time periods and texts covered. Examining Judaism as a living evolving entity throughout its history will lead to a survey that looks at the past through written works and raises questions about the present and future.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LCS 402. Life and How to Live It. 3 Credit Hours.
This course attempts to answer two fundamental questions: What does it mean to live well? What does it mean to die well? The course format is unconventional: For ten weeks, class meets Wednesday for five hours (class meets for 60-90-minutes the remaining weeks). Students check their laptops and phones at the classroom door. Students receive a short book at the beginning of each five-hour session. Over the course of an evening, we read together, eat together, and discuss the book together. The booklist covers an international range of literary and philosophical works: some ancient, some contemporary, all thought-provoking. The course is about the process of learning as much as it is about the product: fifty percent of the grade rests on what occurs in the classroom; the other fifty percent on weekly journal reflections and one final paper. A proposal for this course was awarded Bryant University's Faculty Innovation Grant.
Prerequisites: Sophomore standing and Instructor approval
Session Cycle: Alternate Spring Semesters.

LCS 403. The Philosophy of Technology. 3 Credit Hours.
What is technology? How does it inform our understanding of what it means to be human? Reflecting on the nature of technology means engaging with one of our time's most imperative philosophical topics. To do so, this seminar begins with a historical overview of technological developments – from stone tools to industrialization – and their impact on human evolution and the development of civilizations. Using literature and philosophy as entry points, we'll then explore technology's cultural, ethical, and political implications in the contemporary world. By incorporating interdisciplinary perspectives from the humanities, sciences, and business fields, students will investigate what it means to be human in an era largely defined by rapid technological transformation.
Prerequisites: GEN 106, ANY 200 Level LCS Course and Sophomore Standing.

LCS 441. Film Theory. 3 Credit Hours.
Film can be entertainment or ideology and is often both at the same time. It is a beguilingly accessible form of media that has produced some of the greatest art of the twentieth and twenty first centuries. This is a course in film theory, which approaches film as both an art form and a social practice. Students will learn key texts in film theory, hone skills of visual analysis, and develop understanding of the social, cultural and political contests of film and visual culture. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: LCS 230 or COM 230
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 443. Editing and Publishing Workshop: The Bryant Literary Review. 3 Credit Hours.
This course provides students with mentorship in literary magazine editing and an opportunity to review submissions as part of The Bryant Literary Review's operations. The course focuses on independent publications, academic publishers, and literary journals. Students will evaluate and discuss the merits of the 250+ poetry and fiction submissions the BLR receives each fall. Each student in the course will become Student Editor of the BLR, and their name will appear in the volume's masthead. In addition, the course will introduce students to independent and academic publishing professionals who will visit class to discuss their work and the industry at large. Ongoing research and discussion of contemporary literary presses, journals, and industry practice both online and in print will be required. Students will gain hands-on, marketable experience in editing and publishing, networking opportunities with publishing professionals, and skills that can lead to a successful career in the creative industries.
Prerequisites: Sophomore standing and Permission of the instructor
Session Cycle: Fall.

LCS 456. Contemporary Literature. 3 Credit Hours.
Students examine new and evolving literary forms and styles through reading and analyzing literature of the past decade. Selections are drawn from various literary genres as well as current critical approaches. Through these texts, students explore numerous responses to today's world of changing social and cultural values. Emphasis may vary.
Session Cycle: Fall
Yearly Cycle: Varies.

LCS 457. Ethics. 3 Credit Hours.
This course is an introduction to Ethics and Moral Philosophy. It introduces students to the history of ethics and various ethical theories and concepts. Students apply ethical theories to concrete situations and contemporary issues. The primary texts are philosophical, but students will also use literary examples, films, newspapers and magazines as the basis for their discussions.
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 458. Anthropology of Music Industries. 3 Credit Hours.
This course pushes students to conceptualize the music industry as both a business and a site of creativity and individuality. To achieve this, students study the music industry in three ways: 1) theoretically, to grasp the concepts of commodification and creativity within the music industry; 2) practically, to understand the way that the industry functions as a business; and 3) ethnographically, to broaden their knowledge of industries in the United States and other parts of the world. At the end of the course, students will have a firm grasp of the global music industry, how it functions, and how they can better interpret its place within societies.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 461. The Image of Business in Literature. 3 Credit Hours.
This course offers insight into the world of business from a variety of literary, cinematic, and cultural perspectives. By examining the image of business and the business person/a as a theme in literature, and exploring varying concepts of success and suffering, students have an opportunity to build critical and constructive bridges between the humanities and business dimensions of their undergraduate studies.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 462. Literature in a Historical Context. 3 Credit Hours.
The historical study of literature is often organized around movements, usually centering on a group of writers whose work shares several attributes and goals. This course examines one such movement or period in-depth. Possible offerings include Realism and Naturalism, Modernism and Post-modernism, Romanticism, and Gothic Literature.
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 463. Studies in Comparative Literature. 3 Credit Hours.
In this course we analyze literature within a cross-cultural intertextual framework. This course concerns the development of a genre in an international context. Possible themes include fantastic literature, utopian fiction and the detective novel. Courses often relate literature to corresponding artistic, social, and historical movements.
Session Cycle: Fall
Yearly Cycle: Alternate Years.

LCS 464. Major Literary Figures. 3 Credit Hours.
This course examines in-depth the work of one writer or a circle of writers. Along with focusing closely upon the literature itself, students will study the writer from a number of perspectives. Accordingly, readings may include biography, autobiography, letters, literary theory, and critical reaction from readers of the past and present. Authors who have been featured recently in this course include William Shakespeare, Toni Morrison, Emily Dickinson, and Latin American authors.
Session Cycle: Fall
Yearly Cycle: Alternate Years.

LCS 466. Women and the Creative Imagination. 3 Credit Hours.
This course considers the creative cultural production of women. The specific focus of the course varies depending on the instructor. Students may expect to engage case studies that range from film, to television, to fine art, to theater, to narrative, while exploring historical and recent critical theory on feminism, including the construction of women's gendered identities, sexual politics, and the intersectionality of gender and categories like race and ethnicity. The course may be retaken under different themes.
Session Cycle: Fall
Yearly Cycle: Annual.

LCS 467. Art and Politics in Nineteenth-Century France. 3 Credit Hours.
The focus of this course is a cluster of related concepts in late nineteenth-century French visual culture: place, politics, ecology, centers and peripheries. Paris's centrality as the 19th-century art capital of Europe and its symbolic function as the image of bohemian modernity will be countered by artists working from other places or identities such as the French suburbs, industrial zones, the seaside, the provinces, colonies and abroad. Cultural interchange between these places will be discussed as relationships of gender, race, ecology, politics and class. We will discuss 19th century paintings, sculptures and prints as material "things" on the market as well as images, and will consider their agency in the world.
Prerequisites: Sophomore standing
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 468. Studies in Graphic Narrative. 3 Credit Hours.
In this course, students will study comics and graphic novel as an art form with its own history and critical vocabulary. Autobiography, memoir, political documentary, and literary adaptation are a few of the new directions in the contemporary graphic novel. As a form of popular culture, the graphic novel raises cultural and historical questions that can be analyzed from a variety of perspectives. Possible authors include Art Spiegelman, Alan Moore, and Marjane Satrapi. For qualified students, this course may be taken as a 500-level graduate course. Permission of the instructor is required.
Prerequisites: sophomore standing
Session Cycle: Fall
Yearly Cycle: Alternate Years.

LCS 469. Studies in Political Satire. 3 Credit Hours.
This class examines the place of political satire within contemporary culture. It focuses on a wide variety of satiric texts on television, on film, on stage, online, and in print. The course also explores a number of contentious questions about satire, including whether it contributes to political understanding and engagement or merely circulates cynical withdrawal. Students will contemplate why satirical material is so popular right now, and, ultimately, what this tells us about the current state of politics, citizenship, and debate.
Session Cycle: Fall
Yearly Cycle: Annual.

LCS 470. Advanced Poetry Writing. 3 Credit Hours.
In this intermediate poetry writing course, students will continue the work of the poetry workshop, with particular attention paid to the initial work of making the poem, subsequent deep revision, and evolving language and detail. In addition to regular workshops, the course includes readings and presentations from the readings of modern and contemporary poets to help students develop insights into their own work, craft exercises in various forms of poetry, and create their personal set of poetic standards. A final portfolio of original poetry is required. Additionally, students gain exposure to the contemporary writing world through readying submissions for literary journals, researching publishers, and area readings.
Prerequisites: LCS 370 or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Varies.

LCS 471. Sex, Love and Social Media. 3 Credit Hours.
Through an interdisciplinary lens (philosophy, literature, economic theory, gender and sexuality theory), this course critically examines the effects of social media and global capitalism on friendship and intimacy. It asks: what model of friendship is currently culturally dominant? Is friendship merely another commodity useful in augmenting one's "human capital," or do traditional models of friendship still have relevance? Given the important role social media play in movements for social justice, what new avenues for creative cooperation and intimacy become available through social media? We will seek answers to these questions through philosophical, literary, and historical analyses of friendship and intimacy, paying close attention to non-normative, one might say "queer" relationship practices through the ages. This is cross-listed with WGS 471.
Prerequisites: Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 480. Cultural Studies Abroad. 3 Credit Hours.
This course studies the culture, history and literature of a country or an international city. It includes a 10 to 12 day research trip to the location. Students read relevant social history to root them in an understanding of the significance of particular literary and cultural artifacts and locations. The course includes a student-designed research project, which is conducted while studying abroad. Expenses for the study abroad portion are in addition to the tuition for the course. Prerequisites are formal application approval and faculty permission as well as sophomore standing and LCS 121.
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 490. Critical and Cultural Theory. 3 Credit Hours.
This course is designed for any student interested in advanced reading in critical theory. It focuses on the theoretical traditions which have shaped literary, cultural, and aesthetic analysis and interpretation in the 20th and 21st centuries. Students will read work from a number of fields--philosophy, social theory, linguistics, psychoanalysis, gender studies, etc.--in addition to reading and engaging creative texts, in order to develop familiarity with the critical methodologies of Literary and Cultural Studies. A culminating course for students in Literary and Cultural Studies, the course is also appropriate for other students, especially those wishing to pursue graduate study in the humanities or careers in cultural enterprises.
Prerequisites: Junior or senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

LCS 491. Creativity and Research Portfolio Workshop. 3 Credit Hours.
This course serves the Arts and Creative Industries and Literary and Cultural Studies programs. It offers students the opportunity to reflect on past work in their major or minor, develop their creative and critical process, and prepare for roles in the creative industries beyond graduation. Students will create portfolios for the purposes of exhibition, performance, or journal submission, professional job applications, or entry into graduate studies. Website development and social media applications will be discussed and practiced.
Prerequisites: Junior Standing or Instructor approval
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 497. Directed Study in Literary and Cultural Studies. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the English and Cultural Studies Department. The main requirement of the course is the development of a substantial paper or project.

LCS ST302. Creative Writing Creative Field Trips. 3 Credit Hours.
This course explores the crucial decisions writers and artists make when engaging with the natural world. To truly engage, the writer-artist must venture out into the natural world, and that is exactly what our class will endeavor to do each week. This course is designed around a dozen creative writing field trips to outdoor and (a few) indoor spaces around the campus and in the areas immediately outside the campus. During our explorative journeys, we will engage with the environment in creatively immersive ways designed to help writers generate new material for poetry, fiction, and creative nonfiction. Activities will include hiking, journaling, (re)naming, description prompts, sensory scrutiny exercises, collaborative note-keeping, plein-air drafting, field guide development, and improvisational readings. This will be accompanied by a selection of readings on nature writing.
Session Cycle: Alternative Fall Semesters.

Arts and Creative Industries Programs

Arts And Creative Industries Major

The Arts and Creative Industries program builds upon Bryant's brand of strong student outcomes, industry knowledge, and experiential education. A major in Arts and Creative Industries prepares students to work within nonprofit, government, and corporate creative industries. Students will be prepared to work in large corporations, as well as small start-up nonprofits and organizations.

Students in this field master traditional administrative skills, learn about the changing fields of arts and creativity, are immersed in studio and practical learning in their chosen fields, and have concrete experiential learning courses both on campus and within the local arts and creative industries community. Upon completion of the program, students will be able to leverage their practical and creative skills to work in a range of arts and creative industries with the expectation of immediate employment and competitive salaries.

Students in the Arts and Creative Industries major will:

- Develop a knowledge base in the arts and creative industries, both in theory and practice.

- Interpret, analyze, and critique the creative works and practices of visual artists, writers, and performers, with an emphasis on diverse perspectives.
- Create artistic works across a variety of forms (visual art, creative writing, performance) with hands-on studio and workshop courses.
- Research, understand, and prepare for careers in the arts and creative industries.
- Work in established creative organizations, communities, and industries, gaining real-world experience and building relationships for career growth.

Arts And Creative Industries Minor

The Arts and Creative Industries program builds upon Bryant's brand of strong student outcomes, industry knowledge, and experiential education. A major in Arts and Creative Industries prepares students to work within nonprofit, government, and corporate creative industries. Students will be prepared to work in large corporations, as well as small start-up nonprofits and organizations.

Students in this field master traditional administrative skills, learn about the changing fields of arts and creativity, are immersed in studio and practical learning in their chosen fields, and have concrete experiential learning courses both on campus and within the local arts and creative industries community. Upon completion of the program, students will be able to leverage their practical and creative skills to work in a range of arts and creative industries with the expectation of immediate employment and competitive salaries.

Bachelor of Arts with a Major in Arts and Creative Industries Degree Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Arts and Creative Industries Major Requirements:

Major Course Requirements:

Required Courses:		
ACI 220	Introduction to Arts and Creative Industries	3
ACI 221	Arts and Creative Industries Incubator Seminar	3
ACI 340	Arts and Entertainment: Issues in Arts Administration	3
LCS 491	Creativity and Research Portfolio Workshop	3
Students must pick 6 courses from below:		
ACI 301	Vocal Ensemble Studio	3
ACI 302	Performance Studio	3
ACI 303	Design in Contemporary Culture	3
ACI 304	Music Composition Studio	3
ACI 321	Drawing Studio	3
ACI 322	Art and Design Studio	3
ACI 323	Digital Arts Studio	3
ACI 324	Digital Photography Studio	3
ACI 325	Book Arts Studio	3
ACI 326	Introduction to Adobe Creative Cloud	3
HLA 391	History, Literature, and the Arts Internship	3
ACI 401	Painting Studio	3
COM 345	Documentary Filmmaking	3
COM 450	Media Genre Studies	3
LCS 230	Introduction to Film Studies	3
LCS 221	Studies in Fiction	3
LCS 222	Studies in Nonfiction	3
LCS 223	Studies in Poetry	3
LCS 224	Introduction to Hip-Hop Culture	3
LCS 251	Studies in Drama	3
LCS 341	Philosophy of Art	3
LCS 356	Studies in Narrative	3
LCS 358	Introduction to Studies in Jazz	3
LCS 359	Music and Society	3
LCS 370	Poetry Writing Workshop	3
LCS 371	Fiction Writing Workshop	3
LCS 372	Creative Writing Workshop	3
LCS 376	Global Art History Before 1850	3
LCS 387	African Popular Culture	3
LCS 441	Film Theory	3
LCS 443	Editing and Publishing Workshop: The Bryant Literary Review	3
LCS 458	Anthropology of Music Industries	3
LCS 468	Studies in Graphic Narrative	3
LCS 469	Studies in Political Satire	3

A minimum of 30 credits are required for the major.

A minimum 120 credit hours is required for the degree for graduation.

Arts and Creative Industries Minor Requirements:

Required Courses:

ACI 220	Introduction to Arts and Creative Industries	3
ACI 340	Arts and Entertainment: Issues in Arts Administration	3
Select Two Electives in Creative Practices in Performing Arts, Visual Arts, or Creative Writing. One must be a the 400-level		
ACI 221	Arts and Creative Industries Incubator Seminar	3
ACI 301	Vocal Ensemble Studio	3
ACI 302	Performance Studio	3
ACI 303	Design in Contemporary Culture	3
ACI 304	Music Composition Studio	3
ACI 321	Drawing Studio	3
ACI 322	Art and Design Studio	3
ACI 323	Digital Arts Studio	3
ACI 324	Digital Photography Studio	3
ACI 325	Book Arts Studio	3
ACI 326	Introduction to Adobe Creative Cloud	3
ACI 401	Painting Studio	3
COM 345	Documentary Filmmaking	3
COM 450	Media Genre Studies	3
HLA 391	History, Literature, and the Arts Internship	3
LCS 222	Studies in Nonfiction	3

LCS 223	Studies in Poetry	3
LCS 224	Introduction to Hip-Hop Culture	3
LCS 230	Introduction to Film Studies	3
LCS 251	Studies in Drama	3
LCS 341	Philosophy of Art	3
LCS 352	Studies in Poetry	3
LCS 356	Studies in Narrative	3
LCS 358	Introduction to Studies in Jazz	3
LCS 359	Music and Society	3
LCS 370	Poetry Writing Workshop	3
LCS 371	Fiction Writing Workshop	3
LCS 372	Creative Writing Workshop	3
LCS 376	Global Art History Before 1850	3
LCS 387	African Popular Culture	3
LCS 441	Film Theory	3
LCS 443	Editing and Publishing Workshop: The Bryant Literary Review	3
LCS 458	Anthropology of Music Industries	3
LCS 469	Studies in Political Satire	3
LCS 468	Studies in Graphic Narrative	3
LCS 491	Creativity and Research Portfolio Workshop	3

A minimum of 12 credits is required for the minor.

History Programs

Students can pursue a major, concentration, or minor in history

History Major

Students completing the History major (B.A.) will demonstrate:

- historical knowledge
- an understanding of historical methods.
- the ability to communicate clear and persuasive historical arguments and narratives supported by appropriate evidence.
- the ability to use historical perspective as a central part of being active citizens.

Where have we come from? Rich, variegated, and intrinsically exciting, the study of history invites students to a deeper comprehension of human experience through an examination of the institutional, social, political, economic, technological, intellectual, and cultural dimensions of our past. Where are we? Of greater significance, disciplined study of the past encourages the cultivation of "historical thinking" – understanding human identity and social interaction in their historical contexts – so necessary to analyze and evaluate issues of the contemporary world. Where are we going? Of yet greater significance, historical thinking provides the intellectual tools and sophistication to face a rapidly changing and challenging future with measured confidence.

At Bryant, students pursuing a B.A. degree in History receive thorough training in historical studies. Each student acquires skills enabling him or her to read documents or texts in an historical context, to interpret events and understand institutions, to appreciate the diverse cultural and historical experience of Western and non-Western peoples, and to write extensively. Coupled with Bryant's common core of business training, the command of these skills – all highly valued by the business community – provides students a unique education and training for positions of leadership. Further, the concentration in history gives students excellent preparation for advanced studies at the graduate level in a variety of disciplines, including law, business, public policy, education, and history, among others.

The History major consists of three components:

1. An individually tailored program of instruction, to be created by the student in consultation with a faculty advisor from history.
2. Completion of a minimum of 10 courses in history, of which no more than three may be at the 200-level (HIS 273 is required), at least two must be in U.S. history, and at least two must be in non-U.S. history; and at least two must be at the 400-level (includes HIS 490)
3. Completion of the Capstone course (HIS 490), a Seminar in Historical Inquiry. Students are also encouraged to pursue individual Directed Studies courses and to exploit the rich historical resources available in the New England area through internships with the Rhode Island Historical Society, Slater Mills Historic Site, or other area museums and public history institutions).

History Concentration

Students in the History concentration will demonstrate:

- historical knowledge
- an understanding of historical methods.
- the ability to communicate clear and persuasive historical arguments and narratives supported by appropriate evidence.
- the ability to use historical perspective as a central part of being active citizens.

The history concentration consists of three components:

1. an individually tailored program of instruction, to be created by the student in consultation with a faculty advisor from history.
2. completion of a minimum of six courses in history, of which no more than two may be at the 200-level, at least one elective must be at the 400-level, at least two must be in U.S. history, and at least two must be in non-U.S. history.
3. completion of the Senior 400-level course, a Seminar in Historical Inquiry

Students are also encouraged to pursue individual Directed Studies courses and to exploit the rich historical resources available in the New England area through internships (e.g., with the Rhode Island Historical Society, Slater Mills Historic Site, or other area museums and public history institutions). This is an 18-credit concentration only. Students must have a primary concentration in the College of Business or a major in the College of Arts and Sciences.

History Minor

Students completing the History minor will demonstrate:

- historical knowledge
- an understanding of historical methods.
- the ability to communicate clear and persuasive historical arguments and narratives supported by appropriate evidence.
- the ability to use historical perspective as a central part of being active citizens.

Students may choose among four tracks of study: United States history, European history, world history, or a specialized course of study. The history minor emphasizes personal resourcefulness, the ethical dimensions of history, and the awareness of diversity and differences in the human experience.

Bachelor Of Arts With A Major In History Degree Requirements:

General Education Requirements (p. 25)

University Minor Requirements

History Major Requirements

Required Courses:

HIS 273	History in the World Today	3
HIS 490	Seminar in Historical Inquiry	3
History Electives (6 courses in HIS)		18
Two additional electives [1]		6
Among the 10 courses above:		
No more than three courses can be at the 200 level		
Two HIS courses must be at the 400 level (HIS 490 plus one more)		
At least two courses must be in United States History		
At least two courses must be in non-United States History		

A minimum of 30 credit hours is required for the major.

A minimum of 120 credit hours is required for graduation.

[1] These may be History electives or approved History and Social Science electives.

History Concentration Requirements

HIS 273	History in the World Today	3
HIS 490	Seminar in Historical Inquiry	3
Four History Electives [1]		12

[1] No more than two courses at the 200-level in the concentration(so, HIS 273 plus one more), at least two courses must be in U.S. History (may include HIS 490), at least two courses must be in non-U.S. History (may include HIS 490), two courses must be at the 400 level (includes HIS 490 plus one more)

A minimum of 18 credit hours is required for the concentration.

History Minor Requirements

One 200-level history course	3
Two 300 or 400-level history courses	6
One 400-level history course	3

A minimum of 12 credit hours is required for the minor.

Literary and Cultural Studies Programs

Literary And Cultural Studies Major

Students in the Literary and Cultural Studies Major will:

- Interpret, analyze and critique cultural artifacts and practices (literature, music, visual arts, philosophy, theater, popular culture).
- Create various types of cultural texts and participate in various kinds of cultural practices (poetry, narrative, drama, theory, argumentation, images, video, music).
- Describe and critique the social or historical worlds that surround cultural artifacts, with emphasis on diverse perspectives.
- Demonstrate effective writing and speaking skills.

The Literary and Cultural Studies Major focuses on the critical interpretation, social and historical context, and creative expression of literature and culture. In so doing it cultivates in students the understanding and skills critical to participation and success in a complex, multicultural, and global world. Students of Literary and Cultural Studies learn about the music, literature, art, and cultural practices of their own community as well as others. They engage in creative expression through language, performance studies, creative writing, and other forms, learning to see themselves as agents whose actions shape the world they live in. Fundamental to Literary and Cultural Studies is the cultivation and honing of communication skills necessary in a dynamic, global context: written, oral, visual, and multimedia. The curriculum focuses on cultural literacy – the ability to read, interpret, and create a variety of literary and cultural texts and practices.

Literary And Cultural Studies Concentration

Students in the Literary and Cultural Studies Concentration will:

- Interpret, analyze and critique cultural artifacts and practices (literature, music, visual arts, philosophy, theater, popular culture).
- Create various types of cultural texts and participate in various kinds of cultural practices (poetry, narrative, drama, theory, argumentation, images, video, music).
- Describe and critique the social or historical worlds that surround cultural artifacts, with emphasis on diverse perspectives.
- Demonstrate effective writing and speaking skills.

The Literary and Cultural Studies Concentration focuses on the critical interpretation, social and historical context, and creative expression of literature and culture. In doing so, it cultivates the understanding and skills critical to participation and success in a complex, multicultural, and global world. Students of Literary and Cultural Studies learn about the music, literature, art, and cultural practices of their own community as well as others. They engage in creative expression through language, performance studies, creative writing, and other forms, learning to see themselves as agents whose actions shape the world, they live in. Fundamental to Literary and Cultural Studies is the cultivation and refinement of communication skills necessary to the global context: written, oral, visual, and multimedia. The curriculum focuses on cultural literacy – the ability to read, interpret, and create a variety of literary and cultural practices.

This is an 18-credit concentration. Students must have a primary concentration in the College of Business or a major in the College of Arts and Sciences.

Literature Concentration

Students in the Literature Concentration will:

- Analyze and interpret literature, building knowledge of the historical development of British and American literatures as well as the operations of specific literary genres, such as poetry, drama, and narrative.
- Demonstrate an understanding of new voices, approaches, and critical shifts within the field of literary studies, developments important in an increasingly diverse U.S. society and in light of the

proliferation of new literary genres and movements within a global context.
- Engage in the creative act of writing, which includes workshops in poetry and fiction writing as well as opportunities to produce sustained critical research projects in literary studies.
- Demonstrate effective writing and speaking skills.

The Literature Concentration reflects the changing and dynamic landscape of literary studies. It offers students the opportunity to engage U.S. and international literatures and to develop reading, writing, and critical thinking skills that will prepare them for a variety of postgraduate degree programs (including those in literature and law), as well as work within nonprofit and governmental organizations, museums and art galleries, publishing, writing, marketing, and advertising.

This is an 18-credit concentration. Students must have a primary concentration in the College of Business or a major in the College of Arts and Sciences.

Media And Cultural Studies Concentration

Students in the Media and Cultural Studies Concentration will:

- Interpret, analyze and critique cultural artifacts and practices (including film, television, and new media).
- Create various types of cultural texts and participate in various kinds of cultural practices (including image production, film, theory, and argumentation).
- Describe and critique the social, historical, and linguistic worlds that surround texts, with emphasis on international and U.S. multicultural perspectives.
- Demonstrate effective writing and speaking skills.

Media Studies provides the opportunity for students to think across media forms and cultural contexts. It is an interdisciplinary field that focuses on the content, history, and effects of various media, including television, film, and digital technologies. The program offers students the chance to both make and reflect on these media. Students of media studies learn to analyze media texts, situate them within historical contexts, and engage in theoretical debates about them. They also experiment in the production of a variety of media texts. Students learn to create original work, analyze and appreciate the work of others, and assess the wider impact of mass media on public life. Fundamental to Media Studies is the cultivation and honing of communication skills necessary to succeed in our mediated world.

This is an 18-credit concentration. Students must have a primary concentration in the College of Business or a major in the College of Arts and Sciences.

Literary And Cultural Studies Minor

Students in the Literary and Cultural Studies Minor will:

- Interpret, analyze and critique cultural artifacts and practices (literature, music, visual arts, philosophy, theater, popular culture).
- Create various types of cultural texts and participate in various kinds of cultural practices (poetry, narrative, drama, theory, argumentation, images, video, music).
- Describe and critique the social or historical worlds that surround cultural artifacts, with emphasis on diverse perspectives.
- Demonstrate effective writing and speaking skills.

The minor in Literary and Cultural Studies is designed to foster and sustain a cultural background based upon the mastery of those literary and cultural texts and methods that enter and inform the world of the modern citizen. Students design their minor in accordance with their own interests in consultation with their program advisor.

Literature Minor

Students in the Literature Minor will:

- Demonstrate an understanding of the development of British or American literatures.
- Demonstrate an understanding of critical shifts within the field of literary studies that reflect an increasingly diverse U.S. society as well as new literary developments within a global context.
- Develop their written and oral communication skills through the craft of creative writing or through an in-depth study of literary genres, such as poetry, drama, and narrative.

The minor in Literature reflects the changing and dynamic landscape of literary studies. It offers students the opportunity to engage U.S. and international literatures. Literature minors focus on developing reading, writing, and critical thinking skills that will prepare them for a variety of post-graduate programs, including graduate and law school, as well as work within nonprofit and governmental organizations, museums and art galleries, publishing, writing, marketing, and advertising.

Media And Cultural Studies Minor

Students in the Media and Cultural Studies Minor will:

- Interpret, analyze and critique cultural artifacts and practices (including film, television, and new media).
- Create various types of cultural texts and participate in various kinds of cultural practices (including image production, film, theory, and argumentation).
- Describe and critique the social, historical, and linguistic worlds that surround texts, with emphasis on international and U.S. multicultural perspectives.
- Demonstrate effective writing and speaking skills.

Media Studies provides the opportunity for students to think across media forms and cultural contexts. It is an interdisciplinary field that focuses on the content, history, and effects of various media, including television, film, and digital technologies. The program offers students the chance to both make and reflect on these media. Students of media studies learn to analyze media texts, situate them within historical contexts and engage in theoretical debates about them. They also experiment in the production of a variety of media texts. Students learn to create original work, analyze and appreciate the work of others, and assess the wider impact of mass media on public life. Fundamental to Media Studies is the cultivation and honing of communication skills necessary to succeed in our mediated world.

Bachelor Of Arts With A Major In Literary And Cultural Studies Requirements:

General Education Requirements (p. 25)

University Minor Re (p. 207)quirements (p. 207)

Literary and Cultural Studies Major Requirement

Required Courses:		
LCS 270	Introduction to Cultural Studies	3
LCS 490	Critical and Cultural Theory	3
LCS 491	Workshop in Creative and Critical Process	3
Major Elective Area:		
Two Literary and Cultural Studies courses at the 200 level		6
Three Literary and Cultural Studies courses at the 300 level		9
Two advanced Literary and Cultural Studies courses at the 400 level		6

A minimum of 30 credit hours is required for the major.

A minimum of 120 credit hours is required for graduation.

- **Literary and Cultural Studies Concentration (p. 165)**
- **Literature Concentration (p. 165)**
- **Media and Cultural Studies Concentration (p. 165)**
- **Literary and Cultural Studies Minor (p. 166)**
- **Literature Minor (p. 166)**
- **Media and Cultural Studies Minor (p. 166)**

Literary and Cultural Studies Concentration

Literary and Cultural Studies Concentration Requirements

A total of six courses are required for the concentration.

LCS 270	Introduction to Cultural Studies	3
One Literary and Cultural Studies at the 200 level		3
Two Literary and Cultural Studies courses at the 300 level		6
One advanced course in Literary and Cultural Studies at the 400 level		3
LCS 490	Critical and Cultural Theory	3

A minimum of 18 credit hours is required for the concentration.

Literature Concentration

Literature Concentration Requirements

A total of six courses are required for the concentration.

Select one of the following:		
LCS 221	Studies in Fiction	3
LCS 222	Studies in Nonfiction	3
LCS 223	Studies in Poetry	3
LCS 251	Studies in Drama	3
Select Four additional Upper-Level LCS Courses plus the below listed course.		
LCS 491	Workshop in Creative and Critical Process	3

A minimum of 18 credit hours is required for the concentration.

Media and Cultural Studies Concentration

Media and Cultural Studies Concentration Requirements

A total of six classes is required for the concentration. After Introduction to Cultural Studies, only one additional course may be taken at the 200 level.

LCS 270	Introduction to Cultural Studies	3
One Studio Course		
Two Analytical/Theoretical Courses (at least one at the 300/400 level)		
One Media Studies Elective (studio or analytical/theoretical)		
Choose one course from the following:		
LCS 441	Film Theory	3
LCS 469	Studies in Political Satire	3
LCS 491	Creativity and Research Portfolio Workshop	3
ACI 323	Digital Arts Studio	3
Analytical/Theoretical Courses		
LCS 230	Introduction to Film Studies	3
LCS 224	Introduction to Hip-Hop Culture	3
LCS 354	Animation Theory, History, Practice	3
LCS 362	Topics in the Environmental Humanities	3
LCS 378	African American Studies	3
LCS 379	Asian American Studies	3
LCS 380	Latin American Studies	3
LCS 383	Sexuality and Culture	3
LCS 441	Film Theory	3
LCS 469	Studies in Political Satire	3
LCS/WGS 471	Sex, Love and Social Media	3
LCS 490	Critical and Cultural Theory	3
LCS 491	Creativity and Research Portfolio Workshop	3
SOAN 389	Fieldwork in Local Communities	3
Studio Courses		
ACI 304	Music Composition Studio	3
ACI 324	Digital Photography Studio	3
ACI 323	Digital Arts Studio	3
ACI 326	Introduction to Adobe Creative Cloud	3
COM 242	Basic Studio Production	3
COM 243	Digital Media Production	3
COM 345	Documentary Filmmaking	3
COM 352	Strategic Content Planning and Creation	3
COM 442	Advanced Digital Media	3

A minimum of 18 credit hours is required for the concentration.

Literary and Cultural Studies Minor

Literary and Cultural Studies Minor Requirements

LCS 270	Introduction to Cultural Studies	3
One Literary and Cultural Studies course at the 200 level		3
One Literary and Cultural Studies course at the 300 level		3
One advanced course in Literary and Cultural Studies at the 400 level		3

A minimum of 12 credit hours is required for the minor.

Literature Minor

Literature Minor Requirements

Select one of the following:		**3**
LCS 221	Studies in Fiction	
LCS 222	Studies in Nonfiction	
LCS 223	Studies in Poetry	
LCS 251	Studies in Drama	
Three additional LCS 300-400 level courses are required.		**9**

A minimum of 12 credit hours is required for the minor.

Media and Cultural Studies Minor

Media and Cultural Studies Minor Requirements

LCS 270	Introduction to Cultural Studies	
One studio course		
One analytical/theoretical course at the 300 or 400 level		
One 400 level course		

Applicable Courses

Analytical/Theoretical Courses		
COM 450	Media Genre Studies	3
LCS 224	Introduction to Hip-Hop Culture	3
LCS 354	Animation Theory, History, Practice	3
LCS 362	Topics in the Environmental Humanities	3
LCS 378	African American Studies	3
LCS 379	Asian American Studies	3
LCS 380	Latin American Studies	3
LCS 383	Sexuality and Culture	3
LCS 441	Film Theory	3
LCS 469	Studies in Political Satire	3
LCS/WGS 471	Sex, Love and Social Media	3
LCS 490	Critical and Cultural Theory	3
LCS 491	Creativity and Research Portfolio Workshop	3
SOAN 389	Fieldwork in Local Communities	3
Studio Courses		
ACI 323	Digital Arts Studio	3
ACI 324	Digital Photography Studio	3
COM 345	Documentary Filmmaking	3
COM 352	Strategic Content Planning and Creation	3
COM 442	Advanced Digital Media	3

A minimum of 12 credit hours is required for the minor.

Department of Mathematics and Economics

Mathematics and Economics are integral to daily life and serve as the foundation for a multitude of careers. Our unique and comprehensive program emphasizes quantitative analysis, modeling, and robust business acumen, equipping students to become skilled communicators, critical thinkers, and effective leaders.

Our esteemed faculty includes some of the nation's foremost analytical minds, many of whom are members of prestigious academic and professional organizations. They bring extensive industry experience and cutting-edge research into the classroom. As dedicated educators and mentors, they challenge and inspire students to apply their knowledge beyond academic settings.

We believe that learning extends beyond the classroom. By supporting academic clubs and organizations and fostering connections with industry partners, we provide students with real-world experiences and networking opportunities. Our interdisciplinary approach ensures that students are well-prepared for successful careers in a variety of fields: economics, actuarial mathematics, applied statistics, data analysis, policy analysis, finance, Major, our Applied Statistics concentration and our Applied Statistics Minor.

Faculty

Department Chair
Gao Niu

Professor
Laura Beaudin
Economics

Professor
Aziz Berdiev
Economics

Professor
James Bishop
Actuarial Science

Professor
Rick Gorvett
Actuarial Science

Professor
Jongsung Kim
Economics

Professor
Sam Mirmirani
Economics

Professor
Ramesh Mohan
Econmics

Professor
John T. Quinn
Actuarial Science

Professor
Richard M. Smith
Actuarial Science

Professor
Edi Tebaldi
Economics

Associate Professor
Son Nguyen
Mathematics

Associate Professor
Gao Niu
Actuarial Science

Associate Professor
Xiaofei "Sophia" Pan
Economics

Assistant Professor
Yahong "Yvette" Feng
Mathematics

Assistant Professor
Dekun "Jessica" Zhai

Actuarial Science

Senior Lecturer
Allison Kaminaga
Economics

Senior Lecturer
Karen Pitts
Mathematics

Lecturer
Mengqi Deng
Economics

Lecturer
William H. Zywiak
Mathematics

Economics Programs

Business Economics Major

The Business Economics program at Bryant University combines experiential learning, AI applications, and data analytics to equip students with essential skills for the modern economy. This major provides a deep understanding of economic environments that shape business operations, enabling students to analyze market conditions and guide decision-making processes. The curriculum emphasizes critical thinking, quantitative analysis, and strategic problem-solving, preparing students to tackle complex business challenges.
Through a blend of theoretical knowledge and practical application, students develop expertise in decision-making, economic modeling, and data-driven insights, empowering them to communicate and present actionable recommendations effectively. Graduates of the Business Economics program are well-positioned for high-demand careers in consulting, market analysis, finance, banking, healthcare, real estate, and beyond.

Program Learning Objectives: graduates of the program will be able to:

1. Demonstrate critical thinking, decision-making, and problem-solving skills in an economic context.
2. Analyze the economic roles of markets and government.
3. Understand, interpret, and debate contemporary social, political, and international economic issues.
4. Conduct quantitative data analysis and research.
5. Use economic theory to provide insights into how organizations can make decisions to best achieve their goals.
6. Analyze the macroeconomy and market conditions in a business context.

Economics Concentration

Students can pursue an 18-credit concentration. Students must have a primary concentration in the College of Business or a major in the College of Arts and Sciences in order to complete a concentration in Economics. Developing an expertise in economics provides students with valuable skills that can be used in conjunction with business and liberal arts disciplines. Bryant's concentration and minor in economics stress the interdisciplinary implications of economics. Analytical techniques encouraging critical thinking are used in conjunction with economic theory to interpret a plethora of economic issues and events. Economics concentration is of particular interest for those students who plan to complement their chosen concentration in one of the areas in business and other liberal arts concentrations. The option of double concentration usually will not require taking extra courses.

Economics Minor

Students can pursue a 12-credit minor in Economics. Developing an expertise in economics provides students with valuable skills that can be used in conjunction with business and liberal arts disciplines. Bryant's concentration and minor in economics stress the interdisciplinary implications of economics. Analytical techniques encouraging critical thinking are used in conjunction with economic theory to interpret a plethora of economic issues and events.

Bachelor of Science with a major in Business Economics Degree Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Bachelor of Science Degree: Business Economics major Requirements:

Required Courses:		
ECO 113	Microeconomic Principles	3
ECO 114	Macroeconomic Principles	3
ECO 210	Research Methods in Economics	3
ECO 313	Intermediate Microeconomics	3
ECO 314	Intermediate Macroeconomics	3
ECO 490	Econ Capstone: Consulting Data Analysis	3
Students must pick four electives from the list below. One must be at the 400 level. Pick three others but only two at most can be from the identified Business Elective Courses.		
ECO 201	Money and Banking	3
ECO 315	Econometrics	3
ECO 316	Strategic Game Theory and Applications	3
ECO 340	Sports Economics	3
ECO 350	America and the Free Market	3
ECO 363	Industrial Organization: American Industry	3
ECO 393	Managerial Economics	3
ECO 414	Big Data: Solving Socio-Economic and Business Issues	3
ECO 440	Machine Learning Applied to Economics	3
ECO 463	Labor Economics	3
ECO 464	Behavioral Economics and Applications	3
ECO 471	International Trade	3
ECO 473	Economics of Health and Medical Care	3
ECO 481	The Fed Challenge	3
MATH 350	Statistics II	3
Business Elective:		
ACG 203	Principles of Financial Accounting	3
ACG 204	Principles Managerial Accounting	3
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3

LGLS 211	The Legal Environment of Business	3
MGT 200	Management Principles and Practice	3
MGT 201	Operations Management	3
MKT 201	Foundations of Marketing Management	3

[1] Courses Cannot Be Double Counted Towards Your Minor Requirement
[2] Students enrolled in the Business Economics major that are also completing a Bachelor of Science in Business Administration, will be required to take two ECO Elective courses to complete the major and cannot double count Business Elective courses towards the major requirement.

A minimum of 30 credits are required for the Major.

A minimum of 120 credits is requirement for the Degree.

Economics Concentration Requirements

ECO 313	Intermediate Microeconomics	3
ECO 314	Intermediate Macroeconomics	3
ECO 315	Econometrics	3
Economics Electives: [1]		
Select three (9 credits) of the following:		
ECO 201	Money and Banking	3
ECO 210	Research Methods in Economics	3
ECO 213	Economics of Social Issues	3
ECO 310	Mathematical Economics	3
ECO 340	Sports Economics	3
ECO 350	Data Visualization AI in Business Economics	3
ECO 363	Industrial Organization: American Industry	3
ECO 364	Industrial Organization: Government and Business	3
ECO 367	Economic Development	3
ECO 393	Managerial Economics	3
ECO 397	Directed Study in Economics	3
ECO 413	Applied Microeconomics: Case Studies	3
ECO 414	Applied Macroeconomics: Case Studies	3
ECO 415	Applied Econometrics for Business and Policy	3
ECO 440	Machine Learning Applied to Economics	3
ECO 445	Experimental Economics	3
ECO 461	Environmental Economics	3
ECO 462	Public Finance	3
ECO 463	Labor Economics	3
ECO 464	Behavioral Economics and Applications	3
ECO 471	International Trade	3
ECO 473	Economics of Health and Medical Care	3
ECO 480	Economic Growth Policy and Practice	3
ECO 481	The Fed Challenge	3
ECO 497	Directed Study in Economics	3
ME 391	Mathematics and Economics Internship	3

A minimum of 18 credit hours is required for the concentration.

[1] Must include one 400 level elective

Economics Minor Requirements

ECO 313	Intermediate Microeconomics	3
ECO 314	Intermediate Macroeconomics	3
One economics course at any level (ECO 210 recommended)		3
One 400-level economics course		3

A minimum of 12 credit hours is required for the minor.

Courses

ECO 113. Microeconomic Principles. 3 Credit Hours.
This course introduces students to the basic principles of microeconomics, including the nature and method of economics and the role of the private and government sectors. Emphasis is placed on the firm, market structures, and resource allocation.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 114. Macroeconomic Principles. 3 Credit Hours.
Students in this course learn the basic principles of macroeconomics, including national income accounting, business cycles, income determination, and monetary and fiscal problems and policy. Also considered is international economics, including trade, comparative advantage theory, balance of payments, exchange rates, and trade and finance problems and policy.
Session Cycle: Fall, Winter, Spring
Yearly Cycle: Annual.

ECO 201. Money and Banking. 3 Credit Hours.
Unlike the real side of the economy, which is the actual conversion of resources into consumption, the financial system produces no tangible good that can be used to directly satisfy some need or want. Yet, no modern economy can exist without a well functioning financial system. The financial system impacts real economic activity by providing (1) ways to transfer economic resources through time, across geographic regions, and among industries, (2) ways to manage risk, (3) ways of clearing and settling payments to facilitate the exchange of goods, services and assets, (4) a mechanism for the pooling of funds to undertake large scale indivisible enterprise, (5) price information that helps coordinate decentralized decision making, and (6) ways to deal with the incentive problems when one party to a financial transaction has information that the other party does not, or when one party is an agent that makes decisions for another. This course will explore the financial system and its functions. Topics covered include the basic principles of money, credit and banking, their relation to prices and business fluctuations, the Federal Reserve System, monetary policy, and international macro-finance.
Prerequisites: ECO 114
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 210. Research Methods in Economics. 3 Credit Hours.
Research Methods in Economics introduces students to the mathematical, statistical, programming, technical writing, and public speaking skills necessary to comprehend and conduct meaningful economic research. Students will be introduced to topics such as mathematical optimization, data analysis, regression, and writing techniques used to understand and analyze complex economic problems. In addition, students will complete an individual and unique research project to solidify the concepts learned throughout the course of the semester to prepare them for upper level courses in economics. Note: Applied Economic majors must take ECO 210 before taking ECO 315. All other students that took ECO 315 first cannot receive credit for ECO 210.
Prerequisites: Either ECO 113 or ECO 114, and MATH 201 and sophomore standing
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 213. Economics of Social Issues. 3 Credit Hours.
The course objectives are to increase the student's knowledge and interest in the economic consequences of social issues and to provide the student with the basic analytical skills needed to assess social problems from an economics perspective. Students will learn how to determine the appropriate economic principles which, when applied, might bring about the reduction or resolution of particular social issues.
Prerequisites: ECO 113 or ECO 114
Session Cycle: Summer
Yearly Cycle: Varies.

ECO 310. Mathematical Economics. 3 Credit Hours.
Mathematical economics refers to the application of mathematical methods to represent economic theories and analyze problems posed in economics. The purpose of this course is to equip students with the mathematical tools needed for economic analysis which are unlikely to be taught in other classes. The course has four major goals: i) review mathematical tools of algebra and calculus; ii) introduce analysis of differential and difference equations; iii) introduce matrix algebra; and iv) introduce static optimization including the concept of duality.
Prerequisites: ECO 113 or ECO 114 and MATH 110 or MATH 121 or instructor permission
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ECO 313. Intermediate Microeconomics. 3 Credit Hours.
In this course, the behavior of business firms will be studied through an investigation of demand, supply and equilibrium under conditions of perfect and imperfect competition in the product market. Similar analytical techniques are then employed to examine the efficient allocation of the factors of production.
Prerequisites: ECO 113
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 314. Intermediate Macroeconomics. 3 Credit Hours.
This course examines macroeconomics concepts and problems. Students will develop the analytical capability to determine how aggregate demand and aggregate supply are influenced by the public and private sectors as measured by changes in employment, inflation, national output, and international trade. An analysis will also be made of the impact of selected macroeconomic policies that employ classical and Keynesian recommendations for increasing real national output while maintaining price stability.
Prerequisites: ECO 114
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 315. Econometrics. 3 Credit Hours.
This course is an introduction to basic econometric techniques and strongly emphasizes on statistical applications to economic theories. Students consider problems in estimating such economic variables as consumption-income-price relationships, production functions as well as problems in simulating economic models. For data analysis, students will learn to use Stata and/or R. Applied Economics majors must take ECO 210 before taking ECO 315.
Prerequisites: ECO 113 or ECO 114 and MATH 110 and MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 316. Strategic Game Theory and Applications. 3 Credit Hours.
We explore the fundamental principles of game theory and apply them to a range of strategic interactions involving two or more decision makers like individuals, firms, and political entities in a strategic manner. Key concepts such as dominance, backward induction, Nash equilibrium, commitment, credibility will be analyzed through classroom games and real-world applications in economics, business, politics, and beyond. Emphasizing critical thinking and problem-solving, the course combines theoretical analysis, interactive exercises, and real-world case studies to deepen students' understanding of strategic decision-making.
Pre/Corequisites: ECO 113
Session Cycle: Every Fall Semester.

ECO 340. Sports Economics. 3 Credit Hours.
This course applies microeconomic principles and theories to the sport industry. The core microeconomic fields of Industrial Organization, Public Finance and Labor Markets are the focus of this course to examine professional and college sports. Topics of particular interest are but not limited to sports franchises and profit maximization, monopoly behavior and union role, salary determination, and discrimination, cost-benefit analysis, investment decisions on stadiums and teams.
Prerequisites: ECO 113
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 350. America and the Free Market. 3 Credit Hours.
The influence of the free market philosophy in the U.S. extends far beyond the market place or the economic arena. This course examines these influences and the consequences of the adoption of free market economics on many aspects of U.S. society including its influence on the economy, political economy, politics, socio-economic policies, education, culture, and media among others. There is a particular focus on the relationship between the ideals of free markets and democracy.
Prerequisites: ECO 113
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 363. Industrial Organization: American Industry. 3 Credit Hours.
Industrial Organization is concerned with the way markets and industries are structured and the behavior and performance of firms in those markets and industries. Topics to be covered in this course include oligopoly, pricing strategies, research and development, barriers to entry, and advertising. Specific industries such as steel, autos, and computers will be examined.
Prerequisites: ECO 113
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 364. Industrial Organization: Government and Business. 3 Credit Hours.
The emphasis in this course is on the application of economic concepts and tools to evaluate the effectiveness of government antitrust laws and regulatory practices in bringing about a more competitive economic system. Topics include price fixing, predatory pricing, and price determination. The origins and tasks of Federal and State Regulatory Commissions are also examined.
Prerequisites: ECO 113
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 367. Economic Development. 3 Credit Hours.
An analysis of developing nations. Areas covered include characteristics of developing countries; economic, social, and political problems; foreign aid and trade; the role of governments; human and non-human capital formation; and some case studies of individual countries.
Prerequisites: ECO 114
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 391. Economics Internship. 3 Credit Hours.
Economics internships give students the opportunity for supervised employment in an area where they can apply economic theories and principles. Interns work at least ten hours a week, meet periodically with a supervising faculty member, do research on their field of employment, and prepare a substantive report on their work experience and research. Approval required by a supervising faculty member and the department chair.

ECO 393. Managerial Economics. 3 Credit Hours.
This course is concerned with how economic principles and methodologies can assist managers in business and other organizations to make decisions. Areas of analysis include, but not limited to, supply and demand, production and cost, market structures and pricing, economics of information and managerial strategies, and the role of government in the market place.
Prerequisites: ECO 113
Session Cycle: Summer
Yearly Cycle: Annual.

ECO 397. Directed Study in Economics. 3 Credit Hours.
ECO 397 enables students (sophomores, juniors and seniors) to do an independent study of a specialized topic with an economics faculty member.

ECO 413. Applied Microeconomics: Case Studies. 3 Credit Hours.
This course, with its case study focus, examines the application of microeconomic theories to real business and industry environments. Issues of supply and demand, market structures, government intervention, and resource markets are among a few of the topics of discussions and analyses.
Prerequisites: ECO 113 and ECO 114 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 414. Applied Macroeconomics: Case Studies. 3 Credit Hours.
This course covers core issues in macroeconomics at an advanced level. Topics covered will include long term growth, short term fluctuations and policy issues. The course centers on macroeconomic practical applications and issues by integrating case studies and journal articles. The overall goal is to gain a broad and critical understanding of models that can help to analyze specific policy issues in the global environment.
Prerequisites: ECO 113, ECO 114 and ECO 314 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 415. Applied Econometrics for Business and Policy. 3 Credit Hours.
A fundamental problem faced by decision makers is to obtain solid empirical evidence to support or reject their propositions. Consequently, markets and governments are increasingly demanding professionals who can apply sophisticated statistical tools to obtain empirical evidence that can be used to analyze complex problems and make decisions. Applied Econometrics for Business and Policy is designed to apply modern methods of empirical analysis to the task of making informed choices related to business and policy projects. It is a hands-on-the-data course that gives to students practice and the tools to analyze a variety of economic and business problems.
Prerequisites: ECO 113 and ECO 114 and ECO 315 or FIN 311 or or MATH 350 or AM 332
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 440. Machine Learning Applied to Economics. 3 Credit Hours.
The dawn of the artificial intelligence era is disrupting both markets and the traditional framework for applying economics. This course offers an introduction to the economics of machine learning -- computational algorithms that provides the ability to automatically learn from the data and improve from experience without being explicitly programmed — and explores the application of machine learning to make predictions and improve decision-making. Lectures, class discussion, guest speakers, and team projects will be used to expose students to a variety of topics and questions including: how machine learning makes prediction better? What data-based predictions are important to business and decision-makers? How to find relevant tasks to apply machine learning to solve economic problems? What are the off-the-shelf applications of machine learning (applications in analyzing text and images) that can be applied to economic decision-making?.
Prerequisites: ECO 113, ECO 114, and one of the following: ECO 315, MATH 201, ISA 201, or ISA 221
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 445. Experimental Economics. 3 Credit Hours.
This course provides an introduction to experimental methods in economics. In other economic courses, you have learned about economic theories. In this class, we will learn the methodology for testing those theories. Either we will be able to confirm the theories or we will find evidence that the theories are incorrect, usually because they are based on a questionable assumption. Students will also become familiar with state-of-the-art research methodology in experimental economics, and will learn to conduct their own research projects by participating in and designing experiments in bargaining, auction markets, and other economic situations.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 461. Environmental Economics. 3 Credit Hours.
This course develops and uses microeconomic principles to better understand current environmental issues. Attention is given to the efficient use of environmental resources. Various public policies dealing with environmental problems such as acid rain, global warming and air and water pollution are discussed and analyzed. International comparisons regarding environmental policy is incorporated.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ECO 462. Public Finance. 3 Credit Hours.
This course examines the role of the federal government in the market when there are market failures. The course focuses on issues surrounding the efficient allocation of resources, the existing distribution of income and policies designed to stabilize the economy. The fundamentals of the personal income tax and social security tax are outlined and the impact on economic behavior is discussed. Similarly, federal expenditures for health, social security, education, and welfare are evaluated.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ECO 463. Labor Economics. 3 Credit Hours.
This course deals with a discussion of a variety of economic topics in the labor market. To understand how the labor market works, students will learn labor economic theories such as theories of labor supply, labor demand, and human capital. With theoretical frameworks, students will be able to better understand and examine government policies toward the labor market. Students will also study how the U.S. labor market is affected by globalization.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Fall or Spring
Yearly Cycle: Annual.

ECO 464. Behavioral Economics and Applications. 3 Credit Hours.
This course analyzes the observed behavior of decision makers and explores when and why actual behavior deviates from the predictions of standard economic models. Drawing from research in psychology and economics, the course enriches standard economic theories by incorporating social, cognitive and emotional factors into decision-making models. These factors include (but are not limited to) bounded rationality, altruism, reciprocity, cooperation, procrastination and self-control, and individual decisions under uncertainty. The course also discusses the policy implications of behavioral models as they relate to savings, tax policies, health care industry and financial industries.
Prerequisites: ECO 113 and ECO 114 and sophomore standing
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 471. International Trade. 3 Credit Hours.
International Trade offers a broad overview of international economic theory and its application to analyze real world events. A wide range of issues will be discussed including comparative advantage, gains from trade, protectionism, the effects of trade on economic performance and income inequality, the balance of payments, and major issues of finance. It will also examine political and economic development. By the end of the course students should be able to i) analyze and interpret international trade issues; ii) apply basic concepts of international economics to analyze current events and policy topics, and iii) critically evaluate the impacts of international trade on society's well- being.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 473. Economics of Health and Medical Care. 3 Credit Hours.
This course will examine economic processes in the health care industry of the United States. It provides the student with an understanding of how decisions are made by providers, consumers, and the third party payers for pricing and the quantity of healthcare services. This course will cover decision-making models, analyze policy issues and investigate political and economic aspects of the health care industry. Among the topics covered are market mechanism and structures, government intervention, health care reform and insurance, and ethics in health care.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 480. Economic Growth Policy and Practice. 3 Credit Hours.
The factors determining long-term economic growth have been a major concern for economists and governing bodies for many years. The general purpose of this course is to begin to discover what is known about the determinants of long-run economic growth. The course has three major specific goals: i) briefly look and discuss the historical record related to cross-country economic growth; ii) introduce students to the economics of growth and examine how economic theory explains the actual growth record of the world's countries; and iii) apply economic growth models to investigate topics of special interest to students.
Prerequisites: ECO 113 and ECO 114 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 481. The Fed Challenge. 3 Credit Hours.
The course prepares students for the College Fed Challenge, an academic competition to be held at the Boston Federal Reserve District Bank in November. Students research and analyze economic and financial conditions and then present and defend their analyses with recommendations for monetary policy before a panel of judges.
Prerequisites: ECO 113, ECO 114, permission of the instructor and sophomore standing.
Prerequisites: ECO 113 and ECO 114, sophomore standing and permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 490. Capstone Economics Seminar. 3 Credit Hours.
This senior level capstone seminar is designed for students majoring in economics to explore specific economic research topic of their interest, either as part of a weekly seminar or as an individual directed study. This course requires students to apply and analyze economic analysis. Where applicable they will be required to present their research paper before economics faculty and students.
Prerequisites: Economics major or concentrator and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 497. Directed Study in Economics. 3 Credit Hours.
ECO 497 Enables economics majors/concentrators to do an independent in-depth research or study of an advanced topic under the direction of a member of the Economics Department. The main requirement is the development of a professional quality paper (or other demonstration of mastery of the material.).
Prerequisites: ECO 113 and ECO 114.

Mathematics Programs

Actuarial Mathematics – Mission Statement

The Bryant Actuarial Mathematics program is designed to prepare students for success in the actuarial field. Our student-centered curriculum promotes academic excellence with a rigorous course of study that emphasizes critical thinking, problem solving, statistical analysis skills, and strong business acumen.

MAJOR IN ACTUARIAL MATHEMATICS OBJECTIVES:

Students who complete the Actuarial Mathematics major will:

- Demonstrate competence in the fundamental probability tools for assessing risk quantitatively.
- Demonstrate a basic understanding of the theory of interest, pension and insurance systems.
- Demonstrate competence in relevant statistical software.
- Demonstrate effective consulting skills (problem solving, oral and written presentations).

This Actuarial Mathematics major provides a foundation of analytical and communication skills that enables graduates to seek a career as an actuary or in actuarial related fields such as insurance, pensions, banking, and other financial service organizations. The combination of a strong mathematical foundation and a strong business and liberal arts background provides students with the necessary skills to succeed in these fields. Courses include advanced topics such as Interest Theory, Actuarial Mathematics, Advanced Probability and Statistics, and Pension Fundamentals.

Applied Mathematics And Statistics - Mission Statement:

The Bryant Applied Mathematics and Statistics program is designed to prepare students for success in an analytics position, particularly a position in the fields of applied statistics or applied analysis. Our student-centered curriculum promotes academic excellence with a rigorous course study that emphasizes critical thinking, problem solving, statistical analysis skills, knowledge of computer statistical software packages, and strong business acumen.

MAJOR IN APPLIED MATHEMATICS AND STATISTICS OBJECTIVES:

Students who complete the Applied Mathematics and Statistics program will:

- Demonstrate a mastery of multivariate statistics and data mining.
- Demonstrate competence in relevant statistical software.
- Demonstrate effective statistical consulting skills (problem solving, oral and written presentations).

The Bachelor of Science in Applied Mathematics and Statistics requires 10 courses of in-depth study in the field of mathematics, to complement the business and liberal arts core courses. The program provides students with the reasoning and problem-solving skills necessary to be successful in an array of industries. Mathematics and statistics are part of daily life, but they are also the foundation for a wide range of careers. Whether you want to analyze marketing data, set up the experimental design for clinical trials of a new drug, or work in government, the Bachelor of Science in Applied Mathematics and Statistics provides students a range of skills and broad knowledge required to solve real-world problems through the application of mathematical principles.

Students who major in Applied Mathematics and Statistics may also earn SAS-Bryant University Academic **Specialization in Data Mining certification**. Four courses are required for the certification:

MATH 455	SAS Programming and Applied Statistics	3
MATH 460	Applied Data Mining	3
MATH 461	Applied Multivariate Statistics	3
MATH 475	Applied Analytics Using SAS	3
or MATH 470	Statistical Design and Analysis of Experiments	

Actuarial Mathematics Concentration

Students, who may want to pursue a career as an actuary while keeping their options open by choosing a major in a different subject, can obtain a concentration in Actuarial Mathematics. The concentration is based on a strong calculus foundation and requires the completion of a two-semester course sequence in preparation for at least one preliminary actuarial exam. In addition, students are required to choose two actuarial electives, which can include courses that prepare them for a second preliminary actuarial exam. This is an 18-credit concentration only. Students must have a primary concentration in the College of Business or a major in the College of Health and Behavioral Sciences or College of Humanities and Social Sciences.

Applied Statistics Concentration

With an additional six credits (two courses) an Applied Statistics minor can achieve a concentration. This option requires many of the same courses as our Actuarial Mathematics major for the first two years. The concentration can be taken with either a strong calculus foundation as in the major or in a more applied mode for students who choose not to follow the calculus and calculus-based statistics courses. There are several applied statistics courses for such students. This is an 18-credit concentration only. Students must have a primary concentration in the College of Business or a major in the College of Health and Behavioral Sciences or College of Humanities and Social Sciences.

SAS-Bryant University Academic Specialization In Data Mining

This is a Statistical Software Program. The four SAS courses can satisfy requirements in our Applied Mathematics and Statistics Major, our Applied Statistics concentration and our Applied Statistics Minor.

Applied Statistics Minor

Many disciplines are dependent on the information provided by statistics. Through this course of study, students can deepen and extend their knowledge and skills in statistics and enhance their ability to solve more complex quantitative problems.

Mathematics Minor

Employers often seek graduates with mathematical and analytical skills. Students who desire a more in-depth understanding of mathematics may select this minor. All of the courses in this minor focus on problem solving. Many of the courses emphasize the use of technology and include various computer software programs that may not be covered in other courses.

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- **Applied Mathematics and Statistics (p. 180)**
- **Actuarial Mathematics Concentration (p. 181)**
- **Applied Statistics Concentration (p. 181)**
- **Applied Statistics Minor (p. 181)**
- **Math Minor (p. 182)**

Actuarial Mathematics Courses

AM 230. Actuarial Statistics I. 3 Credit Hours.
This is the first course in probability and statistics for actuarial students.Topics include sample spaces, probability rules, counting techniques, Bayes rule, random variables, probability distributions and density functions, expected values and moment generating functions, and special probability distributions and densities.
Pre/Corequisites: MATH 223
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AM 231. Actuarial Statistics II. 3 Credit Hours.
This course is a continuation of AM 230. Topics include transformation of variables; sampling distributions and order statistics, the central limit theorem; max likelihood estimates; method of moment estimates and hypothesis testing.
Prerequisites: MATH 223 and AM 230
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AM 332. Actuarial Statistics III. 3 Credit Hours.
This course is an applied statistics course for actuaries. It covers the topics necessary for analysis of data. Topics include: Hypothesis testing, chi-square tests, Analysis of Variance, Simple and Multiple Regression, Time Series and Index Numbers.
Prerequisites: AM 231 or MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AM 333. Advanced Probability. 3 Credit Hours.
This course is devoted to the study of distribution classes and credibility. It is designed to prepare actuarial students for many of the topics covered in Exam STAM given by the Society of Actuaries. The topics of study include Risk Measures, Distribution Families, Coverage Modifications, Frequentist and Bayesian Estimation, and Credibility Theory. This course includes both theoretical analysis as well as applied problems that arise naturally in the insurance industry.
Prerequisites: AM 231
Session Cycle: Fall
Yearly Cycle: Annual.

AM 340. Mathematical Interest Theory I. 3 Credit Hours.
This course includes the measurement of interest; accumulation and discount of money; present value of a future amount; forces of interest and discount; equations of value; investment return; inflation; annuities (simple and complex); perpetuities; amortization and sinking funds; yield rates; spot and forward rates; and bond pricing. This course is designed to help prepare the student for Exam FM.
Prerequisites: MATH 223
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AM 341. Mathematics of Finance, Insurance, and Pensions. 3 Credit Hours.
This course will review the mathematics of basic compound interest for determining the future amounts and present values of single and periodic investments. Advanced topics in the mathematics of finance will include complex annuities of fixed periodic amounts, annuities where the periodic payment amount increases arithmetically and/or geometrically, bonds, including duration analyses, investment rates of return, both dollar- and time-weighted, and reverse mortgages. Topics in the mathematics of insurance will include the development of mortality tables and computation functions for the determination of the present and accumulated values of life annuities, premium determination, and settlement payment options. Topics in the mathematics of pensions will include the mathematics of social security, defined benefit and defined contribution pension plans. Students receiving credit for AM 340 or AM 421 will not receive credit for this course.
Prerequisites: MATH 110 or equivalent
Session Cycle: Fall
Yearly Cycle: Alternate Years.

AM 342. Mathematical Interest Theory II. 3 Credit Hours.
This course, combined with Mathematical Interest Theory I, prepares students for Exam FM given by the Society of Actuaries. The topics cover fundamental actuarial theory as it pertains to interest and investments. This course includes mathematical valuation of securities and dividends; options, put-call parity, duration, evaluation and payoff and profit of derivative contracts, forwards, futures, and swaps. Additional topics include immunization and cash flows. This course not only helps the student prepare for Exam FM, but it also helps provide a cross-over in preparing for Exam IFM and 3F.
Prerequisites: AM 340
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AM 391. Actuarial Math Internship. 3 Credit Hours.
Actuarial mathematic internships give students the opportunity for supervised employment in an area where they can apply actuarial mathematic theories and principles. Interns work at least ten hours a week, meet periodically with supervising faculty member, do research on their field of employment, and prepare a substantive report on work experience and research.
Prerequisites: Junior standing and approval by a supervising faculty member and the department chair.

AM 393. Exam P Seminar. 2 Credit Hours.
The goal of this course is to help students synthesize content from AM 230 (and some content from AM 231) and apply that knowledge to solving actuarial problems such as those encountered in the context of Exam P. In addition this course will also develop students computational skills and tacit knowledge of problem-solving strategies needed to tackle these actuarial problems in an efficient manner. While additional study effort will be required, passing this course should put students on track for taking Exam P.
Pre/Corequisites: AM 231
Session Cycle: Spring
Yearly Cycle: Annual.

AM 394. Exam FM Seminar. 2 Credit Hours.
The goal of this course is to help students synthesize content from AM 340 (and some content from AM 342) and apply that knowledge to solving actuarial problems such as those encountered in the context of Exam FM. In addition this course will also develop students computational skills and tacit knowledge of problem-solving strategies needed to tackle these actuarial problems in an efficient manner. While additional study effort will be required, passing this class should put students on track for taking Exam FM.
Pre/Corequisites: AM 342
Session Cycle: Fall
Yearly Cycle: Annual.

AM 421. Life Contingencies I. 3 Credit Hours.
This course is a study of single life functions including the measurement of mortality; life annuities; life insurance; and net annual premiums. This course, in conjunction with AM 422, is designed to help prepare actuarial students for Exam LTAM given by the Society of Actuaries.
Prerequisites: AM 230 and AM 340
Session Cycle: Fall
Yearly Cycle: Annual.

AM 422. Life Contingencies II. 3 Credit Hours.
A continuation of AM 421, including net premium reserves; gross premium reserves including expenses; joint-life functions; contingent functions; compound contingent functions; reversionary annuities; and multiple decrement functions. The course provides a theoretical basis of contingent payment models and the application of those models to insurance and other financial risks. This course, in conjunction with AM 421, is designed to help prepare actuarial students for Exam LTAM given by the Society of Actuaries.
Prerequisites: AM 421
Session Cycle: Spring
Yearly Cycle: Annual.

AM 423. AI Application in Insurance. 3 Credit Hours.
This course explores the application of modern data analytics and Artificial Intelligence (AI) in the insurance industry. Structured into three modules, it begins with foundational skills in data handling and analysis, focusing on "big data" and advanced techniques like classification trees, cluster analysis, and neural networks. The second module applies these tools to risk management, including risk modeling, loss exposure analysis, and risk control. The third module focuses on insurance-specific applications such as underwriting, loss reserving, and ratemaking. Through hands-on projects, case studies, and collaborative learning, students develop critical thinking, quantitative analysis, and communication skills. Designed for Actuarial Mathematics majors and Business minors, this course bridges data science, AI, and insurance, preparing students for careers in a rapidly evolving industry.
Prerequisites: Sophomore Standing
Session Cycle: Every Fall.

AM 440. Actuarial Mathematical Models and Stochastic Calculus. 3 Credit Hours.
The primary goal of this course is to provide the student a background in the mathematics of stochastic processes, risk, and financial economics as it relates to actuarial models. The underlying foundation of this course is the mathematics and economics of the pricing of financial options. The course will cover the theoretical basis of corporate finance and financial models, and it will highlight the application of those models to insurance and other financial risks. Taking this course will make it possible for the student to prepare for the Society of Actuaries Exam IFM and the Casualty Actuarial Society Exam 3F.
Prerequisites: AM 342 or FIN 465
Session Cycle: Fall
Yearly Cycle: Annual.

AM 451. Pension Fundamentals. 3 Credit Hours.
This one-semester course is designed to introduce the student to the social security system of the United States and to various deferred compensation concepts including defined benefit, defined contribution, target benefit, and profit sharing pension plans. Both the accumulation and distribution of pension funds are discussed via annuities certain and life annuities. Appropriate aspects of the Internal Revenue Code which govern deferred compensation will be discussed.
Prerequisites: One of the following: MATH 129, AM 340 or AM 341 or FIN 312
Session Cycle: Fall
Yearly Cycle: Annual.

AM 471. Fundamentals of Property and Casualty Reserving. 3 Credit Hours.
The reserve for unpaid claim liabilities is a major item on the balance sheet of every property and casualty (P&C) insurer. Estimating this quantity is a core responsibility of actuaries. This course will cover basic mathematical and accounting concepts relating to reserving, the triangluar loss development, deterministic reserve projection methods (e.g., loss-ratio and Bornhuetter-Ferguson techniques), common diagnostic statistics, characteristics of different US P&C lines of business, and GLM-based stochastic reserving methods, that utilize bootstrapping.
Prerequisites: AM 332
Session Cycle: Spring
Yearly Cycle: Annual.

AM 481. Ratemaking. 3 Credit Hours.
This course will cover the basic techniques of property and casualty ratemaking. Ratemaking is corefunction of actuaries, and is a necessary tool for satisfying an organization's strategic, operational, and regulatory goals and requirements. This course will cover much of the material on the ratemaking portion of the syllabus for Exam 5 of the Casualty Actuarial Society (CAS).
Prerequisites: AM 231 and AM 340 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

AM 492. Advanced Actuarial Mathematics Seminar Exam LTAM. 2 Credit Hours.
The goal of this course is to help students synthesize content from the two life contingencies courses (AM 421 and AM 422), and apply that knowledge to solving actuarial problems such as those encountered in the context of the Society of Actuaries' Exam LTAM. In addition, this course will also develop the students' computational skills and tacit knowledge of problem-solving strategies needed to tackle these actuarial problems in an efficient manner. While additional study effort will be required, passing this course should put the student on track for taking Exam LTAM.
Pre/Corequisites: AM 422
Session Cycle: Varies
Yearly Cycle: Varies.

AM 493. Advanced Actuarial Mathematics Seminar Exam STAM. 2 Credit Hours.
The goal of this course is to help students synthesize content on probability and stochastic modeling topics from the following courses: AM 231, AM 332, and AM 333. The synthesized knowledge will be applied to solving actuarial problems such as those encountered in the context of Exam STAM. In addition this course will also develop your computational skills and tacit knowledge of problem solving strategies needed to tackle these actuarial problems in an efficient manner. While additional study effort will be required, passing this course should put students on track for taking Exam STAM.
Pre/Corequisites: AM 333
Session Cycle: Varies
Yearly Cycle: Varies.

Mathematics Courses

MATH 101. Pre-Calculus. 3 Credit Hours.
MATH 101 is a pre-calculus course. Topics covered will include linear functions, power functions, graphical concepts, quadratic functions, rational functions, and exponential and logarithmic functions. In addition, there will be an extensive review of algebraic concepts. It is expected that, upon completion of this course, students will be prepared to take MATH 110. This course does not fulfill a Mathematics requirement.
Session Cycle: Fall
Yearly Cycle: Annual.

MATH 110. Mathematical Analysis. 3 Credit Hours.
MATH 110 is an applied mathematics course that presents a mathematical way of thinking and provides students with experiential opportunities to explore how to quantitatively analyze complex problems. Four general areas are covered: a review of mathematical functions and their applications; the mathematics of finance; creation, use, and interpretation of models involving real-world data; and linear programming and optimization. Applications are relevant for sustainability issues, business and management, economics and finance, and the social and natural sciences. Students will be placed, by the Math Department, in the appropriate course based on standardized testing and previous math course performance.

MATH 121. Calculus and Analytic Geometry I. 3 Credit Hours.
This is the first course for Actuarial Mathematics, Applied Math and Statistics, Applied Economics, Biology and Environmental Science majors, and those concentrating in Applied Statistics. The course is also recommended for the math minors. Topics include limits, continuity, derivatives, and integrals, along with their application to the Mean Value Theorem, curve sketching and optimization, the calculus of transcendental functions, and area between curves.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 122. Calculus and Analytic Geometry II. 3 Credit Hours.
This course is a continuation of MATH 121, designed for Actuarial Mathematics, Applied Math and Statistics, Applied Economics, Biology and Environmental Science majors, and those concentrating in Applied Statistics. It is recommended for the math minors also. Topics include L'Hopital's Rule, the calculus involving inverse trigonometric functions, integration methods, modeling with differential equations, geometric series, MacLaurin and Taylor Polynomials and Series, introduction to partial derivatives and multiple integrals.
Prerequisites: MATH 121
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 129. Mathematics of Finance. 3 Credit Hours.
This course is an intensive study of mathematics that can be applied in business and finance. Topics include simple and ordinary interest, simple bank discount, compound interest, simple and complex annuities, annuities in perpetuity, and geometrically varying annuities. The mathematics for determining present value, future amount, and periodic annuity payments is developed. Further, the concepts of exponential and logarithmic functions are presented in order to be able to determine time duration. The students are shown interest rates in annuities, which cannot be determined explicitly by algebraic methods but can be determined by use of Goal Seek function in Excel. Fundamental linear programming and breakeven models (that include time delayed revenue and borrowed funds) are also presented. Students that receive credit for MATH 110 or MATH 110 Honors cannot receive credit for MATH 129.
Session Cycle: Fall
Yearly Cycle: Annual.

MATH 201. Statistics I. 3 Credit Hours.
In this course, students are taught the concepts necessary for statistical analysis and inference, in the context of real-world-type data analysis and modeling. Topics include descriptive statistics, classical probability, probability distributions, confidence intervals, and hypothesis testing, chi-square analysis, simple linear regression, and correlation. One or more case studies, accompanied by references to survey creation and data collection, provide experiential opportunities for students. Students will be placed, by the Math Department, in the appropriate course based on standardized testing and previous math course performance.

MATH 202. Biostatistics. 3 Credit Hours.
This course serves as an introduction to applying statistical thinking to biological problems. Topics include numerical and graphical summaries of data, basic probability concepts, sampling distributions, basic concepts for estimation, estimation for population means and proportions, basic concepts for hypothesis testing, hypothesis tests for population means and proportions, analysis of variance, sample size calculations, inferences from two samples, correlation and regression.
Session Cycle: Every Semester.

MATH 203. Sports Statistics I. 3 Credit Hours.
This course provides a fundamental understanding of basic probability and statistics with a focus on sports applications. Methods and theory behind commonly used statistics will be applied in a sports setting. As an aid in statistical analysis, Excel "Data Analysis" functions will be used. All major US sports will be considered as well as selected international sports. Assignments will often allow the student to study a sport of their own choosing. Fantasy sports, betting, and e-sports will also be considered where applicable.
Session Cycle: Every Semester.

MATH 223. Calculus and Analytic Geometry III. 3 Credit Hours.
This course is the third of three calculus courses required of actuarial and applied mathematics and statistics majors. Topics include the conic sections, circles, parabolas, ellipses, and hyperbolas, polar coordinates, vectors and vector-valued functons, functions of more than one variable dealing with partial derivatives with its mathematical applications and the calculation of double and triple integrals.
Prerequisites: MATH 122
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 226. Linear Algebra. 3 Credit Hours.
This course is an introduction to the topic of Linear Algebra. The topics covered will include the study of matrices, determinants, vector spaces, subspaces, row and column spaces, null spaces, linear transformations, and eigenvalues and eigenvectors.
Prerequisites: MATH 121
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 228. Discrete Structures. 3 Credit Hours.
This course introduces the foundations of discrete mathematics as they apply to information technology, focusing on providing a solid theoretical foundation for further work. Topics include propositional logic, sets, growth of functions, simple proof techniques, elementary number theory, counting techniques, relations and graph theory.
Pre/Corequisites: MATH 110 or equivalent
Session Cycle: Spring
Yearly Cycle: Varies.

MATH 350. Statistics II. 3 Credit Hours.
A continuation of MATH 201, this course provides students further concepts necessary for statistical analysis and inference. Topics include analysis of variance, multiple regression and correlation, model building, chi-square tests, and nonparametric statistics.
Prerequisites: MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 354. Software Application for Mathematics. 3 Credit Hours.
This course introduces students to the use of Microsoft Visual Basic behind Excel spreadsheets. Students are taught to write computer programs based on specified criteria. Excel functions and Goal Seek are used in a variety of applied project assignments. Topics typically include simulation, mathematical distributions, and statistical analyses. Additional topics may include writing of stand-alone programs with Visual Basic forms, manipulation of data in Excel or Microsoft Access, and/or the use of statistical packages such as SAS.
Prerequisites: MATH 201 or AM 230
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 391. Applied Mathematics and Statistics Internship. 3 Credit Hours.
Applied mathematics and/or statistics internships give students the opportunity for supervised employment in an area where they can apply their theories and principles. Interns work at least ten hours a week, meet periodically with a supervising faculty member, conduct research on their field of employment, and prepare a substantive report on work experience and research.
Prerequisites: Junior standing and approval by a supervising faculty member and the department chair.

MATH 409. Elementary Number Theory. 3 Credit Hours.
This course will cover topics such as divisibility, prime numbers, Fundamental Theorem of Arithmetic, Euclid's Algorithm, Pascal's Triangle, Fibonacci numbers, congruences and residue classes, Diophantine equations, Euler's Phi Function, Fermat's Last Theorem, and Pythagorean Triples. A major application in the course will be to Cryptography. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 201 or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Annual.

MATH 421. Statistical Analysis With R. 3 Credit Hours.
This course covers the application of R in a wide range of subjects in data analysis. The statistical topics include descriptive statistics; hypothesis testing; probability distribution; Bayesian statistics; predictive modelling; and unsupervised learning. Students will also learn how to write functions in R, Rmarkdown, and various R famous packages such as ggplot2, caret, mosaic, dplyr.
Prerequisites: MATH 350 or AM 332
Session Cycle: Fall
Yearly Cycle: Annual.

MATH 435. Geometry. 3 Credit Hours.
Since the time of Euclid (330 BC) the study of Geometry has been regarded as s foundation of western education and the preferred context in which to teach young adults the purpose and value of logical thinking. This course is offered to provide undergraduate and graduate level mathematics education students and others an introduction to and a mastery of both the classical and analytic aspects of Euclidean Geometry. The ideas of point, line, plane, triangle, quadrilaterals, parallelism and lack of it, similarity, congruence, area, volume and Loci will be formally presented through an axiomatic method using definitions, postulates and geometric proofs. The structure, the pedagogy and the presentation of the above topics will also be emphasized throughout the course. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 110 or permission of instructor
Session Cycle: Spring
Yearly Cycle: Varies.

MATH 455. SAS Programming and Applied Statistics. 3 Credit Hours.
This course provides an introduction to SAS programming. It also covers statistical applications utilizing both SAS and Enterprise Guide. Some of the topics covered in the first part of this course include: reading raw data files and SAS data sets; investigating and summarizing data by generating frequency tables and descriptive statistics; creating SAS variables and recoding data values; subsetting data; combining multiple SAS files; creating listing, summary, HTML, and graph reports; managing SAS data set input and output, working with different data types, and manipulating data. In the second part of the course, we apply SAS and Enterprise Guide to the analysis of data using the topics of ANOVA, regression, and logistic regression. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 350 or AM 332 or ECO 210 or ECO 315
Session Cycle: Spring
Yearly Cycle: Annual.

MATH 456. Statistical and Mathematical Decision Making. 3 Credit Hours.
This course provides an introduction to the concepts and methods of Decision Science, which involves the application of mathematical modeling to problems of decision making under uncertainty. It also provides a foundation in modeling with spreadsheets. Topics include linear programming, goal programming, nonlinear programming, decision analysis, and simulation.
Prerequisites: MATH 201 or AM 231
Session Cycle: Spring
Yearly Cycle: Varies.

MATH 460. Applied Data Mining. 3 Credit Hours.
Employing SAS Enterprise Miner software with real-world case studies, this course introduces students to the current theories, practices, statistical tools and techniques in "data mining," which embodies cutting-edge methods to reveal competitive insight, market advantage, and strategic opportunities. This course will cover the most useful statistical tools in data mining such as cluster analysis, logistic regression, classification trees, and neural networks. In addition, a comprehensive real-world data project will be required along with a presentation to the class and other interested parties of key aspects of the project with an analysis of the results. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 350 or AM 332
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 461. Applied Multivariate Statistics. 3 Credit Hours.
After a brief review of multiple regression and analysis of variance, students are introduced to multivariate statistical techniques including principal components analysis, factor analysis, cluster analysis, discriminant analysis, logistic regression and multivariate analysis of variance. This course will emphasize practical applications rather than theory. The computer package SAS will be used for analysis. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 350 or AM 332
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 470. Statistical Design and Analysis of Experiments. 3 Credit Hours.
This course is an introduction to the design and analysis of statistical experiments. It will cover the main elements of statistical thinking in the context of experimental design and ANOVA. Students will learn to choose sound and suitable design structures and also how to explore real data sets using a variety of graphs and numerical methods and analyze these data sets from designed experiments and reach justifiable conclusions based on the analyses. This will be an applied course and will utilize the SAS statistical package. This is a SAS Certified class. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 350 or AM 332
Session Cycle: Fall
Yearly Cycle: Annual.

MATH 475. Applied Analytics Using SAS. 3 Credit Hours.
This course will include an in-depth review of applied analytical approaches, challenges, and solutions. A hands-on approach will be emphasized throughout the semester. A brief review of analytical techniques through material covered in MATH 350 or AM 332 will be included, as well as an introduction to further analytical tools such as multivariate analysis, predictive modeling, time series analysis and survey analysis. The SAS statistical package will be utilized for applying hand-on analysis to real world data problems. This is a SAS Certified course. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 350 or AM 332
Session Cycle: Spring
Yearly Cycle: Annual.

MATH 488. Sports Statistics. 3 Credit Hours.
This course introduces a number of statistical methods beyond the elementary level and combines theory with application. The goal is for the student to develop the ability to compare and contrast a number of statistical methods focusing on their application to the sports industry. A major component of this course is to understand the strengths and weaknesses of various statistical methods.
Prerequisites: AM 231 or MATH 350
Session Cycle: Spring
Yearly Cycle: Annual.

MATH 490. Applied Mathematics and Statistics Capstone Seminar. 3 Credit Hours.
The students will be required to research and write an applied mathematical or statistical thesis, and make oral presentations of the results. This course will develop the student's research skills and ability to write and present applied mathematical or statistical topics. Projects that solve problems of an interdisciplinary nature are encouraged.
Prerequisites: Senior standing and permission of the instructor
Session Cycle: Spring
Yearly Cycle: Annual.

MATH 497. Directed Study in Mathematics. 3 Credit Hours.
This is an opportunity for students to do independent, in-depth research for academic credit. The student works on an individual basis under the direction of a member of the mathematics department. The main requirement of the course is the development of a substantial paper or project.

MATH ST300. Special Topics in Mathematics Mathematics of the Arts and Creativity. 3 Credit Hours.
This applied Mathematics course will consist of a comprehensive review of the mathematical underpinnings of visual art, music, and creativity (and to a lesser extent architecture). Mathematics will include, geometry, base 7, base 8, fractals, and differential equations. Course assignments will include using the open access programming software R to generate a fractal image or fractal video. This course is designed to enhance the student's appreciation and understanding of Math and the Arts, and to facilitate the student's creating new visual art and music by using mathematical approaches. This course may also help students develop more engaging presentations (eye-catching visuals/ear-catching audio).
Prerequisites: AM 231 or MATH 201 or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

MATH ST310. Spec. Topics in Mathematics: Culture, History, Business Environment, and Analytical Research Aboard. 3 Credit Hours.
This course studies the cultural, history, and business environment of Japan. Multiple analytical research projects will be carried out throughout the trip, including business culture study, population and aging study, US-Japan economics analysis, climate change impact in east Asia, insurance risk overview, and analytics study. Students are also required to complete an after-trip comprehensive paper with a topic of their choice. This course will count towards one of the 3 advanced topics in actuarial mathematics for actuarial math major or one of the 3 advanced electives for applied mathematics and statistics major.
Session Cycle: Fall Semester.

Bachelor of Science with a Major in Actuarial Mathematics

Actuarial Mathematics – Mission Statement

The Bryant Actuarial Mathematics program is designed to prepare students for success in the actuarial field. Our student-centered curriculum promotes academic excellence with a rigorous course of study that emphasizes critical thinking, problem solving, statistical analysis skills, and strong business acumen.

MAJOR IN ACTUARIAL MATHEMATICS OBJECTIVES

Students who complete the Actuarial Mathematics major will:

- Demonstrate competence in the fundamental probability tools for assessing risk quantitatively.
- Demonstrate a basic understanding of the theory of interest, pension and insurance systems.
- Demonstrate competence in relevant statistical software.
- Demonstrate effective consulting skills (problem solving, oral and written presentations).

This Actuarial Mathematics major provides a foundation of analytical and communication skills that enables graduates to seek a career as an actuary or in actuarial related fields such as insurance, pensions, banking, and other financial service organizations. The combination of a strong mathematical foundation and a strong business and liberal arts background provides students with the necessary skills to succeed in these fields. Courses include advanced topics such as Interest Theory, Actuarial Mathematics, Advanced Probability and Statistics, and Pension Fundamentals.

ACTUARIAL MATHEMATICS LEARNING GOALS

The Actuarial Mathematics program prepares students for success in the actuarial field by promoting the following learning goals:

- Coursework that prepares students for at least four exams given by the Society of Actuaries with an expectation that a student will successfully complete two exams by graduation.
- Coursework that requires a minor in a business discipline that develops leadership, communication, and teamwork skills, enabling the student to secure one or more actuarial internships prior to graduation.
- Coursework that emphasizes statistical skills and allows the student to complete the SAS Certification program.
- Coursework that emphasizes strong computer skills for business applications.

Bachelor of Science with an Actuarial Mathematics Major Degree Requirements:

General Education Requirements (p. 25)

**** Actuarial Mathematics Majors will take Math 121 instead of Math 110 and AM 230 instead of Math 201 to meet the General Education requirements.**

University Minor Requirements (p. 207)

Actuarial Mathematics Major Requirements:

Required Courses:		
AM 230	Actuarial Statistics I (Course can be used in place of MATH 201 in Gen Ed)	3
AM 231	Actuarial Statistics II	3
AM 332	Actuarial Statistics III	3
AM 340	Mathematical Interest Theory I	3
AM 342	Mathematical Interest Theory II	3
AM 421	Life Contingencies I	3
MATH 226	Linear Algebra	3
MATH 354	Software Application for Mathematics	3
One Exam Seminar from the following: [1]		
AM 393	Exam P Seminar	2
AM 394	Exam FM Seminar	2
AM 492	Advanced Actuarial Mathematics Seminar Exam LTAM	2
AM 493	Advanced Actuarial Mathematics Seminar STAM	2
Choose 3 Advanced Topics in Actuarial Mathematics from the following:		
AM 333	Advanced Probability	3
AM 422	Life Contingencies II	3
AM 423	AI Application in Insurance	3
AM 440	Actuarial Mathematical Models and Stochastic Calculus	3
AM 451	Pension Fundamentals	3
AM 471	Fundamentals of Property and Casualty Reserving	3
AM 481	Ratemaking	3

Business Minor Requirement	
Electives	

[1] Any student who passes two professional actuarial exams will be able to waive the two credit exam seminar preparation course requirement. The student must show evidence to the Department Chair that two exams were successfully completed to obtain the waiver.

A minimum of 35 credit hours is required for the major.

A minimum of 122 credit hours required for graduation.

Bachelor of Science with a Major in Applied Mathematics and Statistics

Applied Mathematics And Statistics - Mission Statement:

The Bryant Applied Mathematics and Statistics program is designed to prepare students for success in an analytics position, particularly a position in the fields of applied statistics or applied analysis. Our student-centered curriculum promotes academic excellence with a rigorous course study that emphasizes critical thinking, problem solving, statistical analysis skills, knowledge of computer statistical software packages, and strong business acumen.

MAJOR IN APPLIED MATHEMATICS AND STATISTICS OBJECTIVES

Students who complete the Applied Mathematics and Statistics program will:

- Demonstrate a mastery of multivariate statistics and data mining.
- Demonstrate competence in relevant statistical software.
- Demonstrate effective statistical consulting skills (problem solving, oral and written presentations).

The Bachelor of Science in Applied Mathematics and Statistics requires 10 courses of in-depth study in the field of mathematics, to complement the business and liberal arts core courses. The program provides students with the reasoning and problem-solving skills necessary to be successful in an array of industries. Mathematics and statistics are part of daily life, but they are also the foundation for a wide range of careers. Whether you want to analyze marketing data, set up the experimental design for clinical trials of a new drug, or work in government, the Bachelor of Science in Applied Mathematics and Statistics provides students a range of skills and broad knowledge required to solve real-world problems through the application of mathematical principles.

APPLIED MATHEMATICS AND STATISTICS LEARNING GOALS:

The Applied Mathematics and Statistics program prepares students for success in an analytics position, particularly a position in the fields of applied statistics or applied analytics by promoting the following learning goals:

- Coursework that prepares students with a strong foundation in theoretical calculus and statistics
- Coursework that allows the students a wide range of applied mathematical courses along with applied statistical courses
- Coursework that allows the student to study advanced statistical topics and complete the SAS Certification program
- Coursework that emphasizes strong computer skills for business applications.
- Students who major in Applied Mathematics and Statistics may also earn SAS-Bryant University Academic Specialization in Data Mining certification. Four courses are required for the certification:

Bachelor of Science with an Applied Mathematics and Statistics Major Requirements:

General Education Requirements (p. 25)

**** Applied Mathematics and Statistics Majors will take Math 121 instead of Math 110 and AM 230 instead of Math 201 to meet the General Education requirements.**

University Minor Requirements (p. 207)

Bachelor of Science with an Applied Mathematics and Statistics Major Requirements:

General Education Requirements (p. 25) ** Applied Mathematics and Statistics Majors will take Math 121 instead of Math 110 and AM 230 instead of Math 201 to meet the General Education requirements.

University Minor Requirements (p. 207)

Applied Mathematics and Statistics Major Requirements:		
Required Courses:		
MATH 226	Linear Algebra	3
AM 230	Actuarial Statistics I ((Course can be used in place of MATH 201 in Gen Ed))	3
AM 231	Actuarial Statistics II	3
AM 332	Actuarial Statistics III	3
MATH 460	Applied Data Mining	3
MATH 461	Applied Multivariate Statistics	3
Programming Elective (2 of the following):		
MATH 354	Software Application for Mathematics	3
MATH 421	Statistical Analysis With R	3
MATH 455	SAS Programming and Applied Statistics	3
ISA 330	Programming for Data Science	3
Advanced Electives (3 of the following):		
MATH 228	Discrete Structures	3
MATH 409	Elementary Number Theory	3
MATH 470	Statistical Design and Analysis of Experiments	3
MATH 475	Applied Analytics Using SAS	3
MATH 488	Sports Statistics	3
MATH 490	Applied Mathematics and Statistics Capstone Seminar	3
MATH 497	Directed Study in Mathematics	3
At most only 1 of the following Advanced Electives:		
ECO 315	Econometrics	3
ECO 440	Machine Learning Applied to Economics	3
FIN 466	Data Analysis for Finance	3

A minimum of 33 credit hours is required for the major.

A minimum 120 credit hours required for graduation.

[1] Students who choose MATH 455, MATH 460, MATH 461, and either MATH 475 or MATH 470 may earn SAS® certification in data mining. To earn certification, a student must achieve at least a 'B' average in all of these courses with no grade lower than a 'C' in any one course.

Actuarial Mathematics Concentration

Actuarial Mathematics Concentration Requirements:

Actuarial Mathematics Concentration Requirements		
MATH 121	Calculus and Analytic Geometry I (*)	3
MATH 122	Calculus and Analytic Geometry II (*)	3
MATH 223	Calculus and Analytic Geometry III	3

*If a student took MATH 121 and MATH 122 as his/her Liberal Arts Core, the student would need to choose two more from the elective list.

And choose either:		
AM 230	Actuarial Statistics I	3
AM 231	Actuarial Statistics II	3
OR		
AM 340	Mathematical Interest Theory I	3
AM 342	Mathematical Interest Theory II	3
And choose one from the following courses:		
AM 230	Actuarial Statistics I	3
AM 231	Actuarial Statistics II	3
AM 332	Actuarial Statistics III	3
AM 333	Advanced Probability	3
AM 340	Mathematical Interest Theory I	3
AM 341	Mathematics of Finance, Insurance, and Pensions	3
AM 342	Mathematical Interest Theory II	3
AM 421	Life Contingencies I	3
AM 423	AI Application in Insurance	3
AM 440	Actuarial Mathematical Models and Stochastic Calculus	3
AM 451	Pension Fundamentals	3
AM 471	Fundamentals of Property and Casualty Reserving	3
AM 481	Ratemaking	3
MATH 226	Linear Algebra	3
MATH 354	Software Application for Mathematics	3

A minimum of 18 credits is required for the concentration.

Applied Statistics Concentration

Applied Statistics Concentration Requirements:

Required Courses		
AM 332	Actuarial Statistics III	3
or MATH 350	Statistics II	
MATH 461	Applied Multivariate Statistics	3
Electives		
Select four of the following:		
AM 333	Advanced Probability	3
ECO 315	Econometrics	3
FIN 466	Data Analysis for Finance	3
MATH 354	Software Application for Mathematics	3
MATH 421	Statistical Analysis With R	3
MATH 455	SAS Programming and Applied Statistics	3
MATH 456	Statistical and Mathematical Decision Making	3
MATH 460	Applied Data Mining	3
MATH 470	Statistical Design and Analysis of Experiments	3
MATH 475	Applied Analytics Using SAS	3
MATH 488	Sports Statistics	3
MATH ST300	Special Topics in Mathematics Mathematics of the Arts and Creativity	3

Only AM 332 (Actuarial Statistics III) or MATH 350 (Statistics II) will be double counted towards this concentration and other programs.

Students who concentrate in Applied Statistics may also earn SAS certification in data mining. Four courses are required for the certification: MATH 455, MATH 460, MATH 461 and one of the following: MATH 475 or MATH 470.

A minimum of 18 credits is required for the concentration.

Applied Statistics Minor

Applied Statistics Minor Requirements:

Required Courses		
AM 332	Actuarial Statistics III	3
or MATH 350	Statistics II	
MATH 461	Applied Multivariate Statistics	3
Select two of the following:		
AM 230	Actuarial Statistics I	3
AM 231	Actuarial Statistics II	3
ECO 315	Econometrics	3
FIN 466	Data Analysis for Finance	3
MATH 354	Software Application for Mathematics	3
MATH 421	Statistical Analysis With R	3
MATH 455	SAS Programming and Applied Statistics	3
MATH 456	Statistical and Mathematical Decision Making	3
MATH 460	Applied Data Mining	3
MATH 470	Statistical Design and Analysis of Experiments	3
MATH 475	Applied Analytics Using SAS	3
MATH 488	Sports Statistics	3
MATH ST300	Special Topics in Mathematics Mathematics of the Arts and Creativity	3

The Applied Statistics minor is not open to Actuarial Mathematics majors.

A minimum of 12 credits is required for the minor.

Mathematics Minor

Mathematics Minor Requirements

Students in the Mathematics minor will select four (4) courses above the core requirement from the following list (at least one course must be at 300 or 400 level):

AM 230	Actuarial Statistics I	3
AM 231	Actuarial Statistics II	3
AM 332	Actuarial Statistics III	3
MATH 121	Calculus and Analytic Geometry I	3
MATH 122	Calculus and Analytic Geometry II	3
MATH 129	Mathematics of Finance	3
MATH 223	Calculus and Analytic Geometry III	3
MATH 226	Linear Algebra	3
MATH 228	Discrete Structures	3
MATH 350	Statistics II	3
MATH 354	Software Application for Mathematics	3
MATH 409	Elementary Number Theory	3
MATH 435	Geometry	3
MATH 456	Statistical and Mathematical Decision Making	3
MATH ST300	Special Topics in Mathematics Mathematics of the Arts and Creativity	3
MATH 497	Directed Study in Mathematics	3

Note: No more than two calculus courses may be counted toward the four courses. The core requirement is either MATH 110 and MATH 201; or MATH 121 and MATH 122. If a student starts with MATH 110 and MATH 201 they may count MATH 121 and MATH 122 toward the minor. A student who takes MATH 110 or MATH 110 HN may not take MATH 129. A student may not take both MATH 350 and AM 332.

The Mathematics minor is not open to Actuarial Mathematics majors.

A minimum of 12 credit hours is required for the minor.

Department of Politics, Law & Society

The Department of Politics, Law, and Society offer a variety of courses and programs to help students understand complex political and social problems, and the functioning of political, legal, and social institutions, so that students can develop their abilities to make a positive difference in the world. There are programs in Political Science, Legal Studies, Sociology and Anthropology.

Politics and Law Programs

Sociology and Anthropology Programs (p. 197)

Faculty

Politics, Law and Society Department Chair
John Dietrich

Professor
Andrea Boggio

Professor
Michael Bryant

Professor
John Dietrick

Professor
Alex Perullo

Associate Professor
Katayoun Alidadi

Associate Professor
Nicole Freiner

Associate Professor
Richard Holtzman

Assistant Professor
Jocelyn Bell

Assistant Professor
Tristan Hightower

Senior Lecturer
Ronald Washburn

Lecturer
Ilisabeth Smith Bornstein

Lecturer
Holly Dygert

Lecturer
Amanda L. C. Fontaine

Lecturer
Kristin Taylor-Costello

Legal Studies Courses

LGLS 211. The Legal Environment of Business. 3 Credit Hours.
This course emphasizes the nature of legal systems and processes. Topics include agency, contracts, the Uniform Commercial Code, debtor-creditor relationships, government regulation of business, and business structure (selection of a business entity).
Prerequisites: Sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LGLS 230. Introduction to the U.S. Legal System. 3 Credit Hours.
This introductory law course provides an overview of the U.S. legal system. The course introduces students to various areas of law including the sources of law and the court system, constitutional law, civil law and procedure, criminal law and procedure, and the regulatory state. The course also explores the connection of the U.S. legal system with the international legal system and the legal systems of other countries. Students will acquire foundational understanding of the ways in which the U.S. legal system operates and enhance their ability to analyze and resolve problems.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LGLS 320. Global Legal Traditions. 3 Credit Hours.
This course introduces students to the comparative study of law. Students learn how laws differ from the across countries. The course places national laws in the broader context of major legal traditions, including common law, which has been the most influential in shaping American law. Each tradition is examined in terms of its institutions and substantive law, its founding concepts and methods, its attitude towards the concept of change and its teaching on relations with other traditions and peoples.
Prerequisites: LGLS 211 or LGLS 230, Sophomore Standing
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 330. Criminal Law and Procedure. 3 Credit Hours.
This course focuses on criminal law and procedure. Students learn about the foundations of criminal responsibility, the definition of common crimes, and criminal procedural requirements. The objectives of this course are to learn the substantive and procedural criminal procedure, gain knowledge of constitutional rights in the context of criminal law and procedure, and gain an understanding of the moral, philosophical, and public policy considerations in the use of criminal sanctions. Substantive law topics include how guilt is established, justification of punishment, defining criminal conduct, inchoate crimes. Procedural law topics include right to counsel, search warrant and permissible warrantless searches, jury selection, negotiated pleas, and the rules of evidence.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Spring
Yearly Cycle: Annual.

LGLS 340. The Legal and Ethical Aspects of Generative Artificial Intelligence. 3 Credit Hours.
This course explores the legal, ethical, and societal implications of artificial intelligence. Topics include data privacy, algorithmic bias, intellectual property, accountability, and the regulation of AI technologies. Students will examine real-world case studies and engage in critical discussions about responsible AI development and deployment. Emphasis is placed on understanding how laws and ethical frameworks apply to emerging AI systems across industries.
Prerequisites: LGLS 211 or LGLS 230 and Sophomore Standing
Session Cycle: Every Spring Semester.

LGLS 351. Civil Rights and Liberties. 3 Credit Hours.
In this course students examine the legal principles and rules that define the nature and limits of American government and the rights of citizens under the Constitution. The course stresses analysis of Supreme Court decisions and their influence on American political and economic development.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 354. Communications Law. 3 Credit Hours.
A study of the legal rights and privileges of communications media, this course emphasizes the following topics: written communications; the problems of right to know versus right of privacy; libel, defamation, copyright, and infringement; examination of regulatory agencies; and theories of the First Amendment.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Spring
Yearly Cycle: Varies.

LGLS 356. Law and the Digital World. 3 Credit Hours.
The course provides an overview of legal and policy issues related to the impact of modern technology on society. Students are exposed to the key laws, regulations and cases relating to the digital world. The course is divided in four sections: a study of the infrastructure of the Internet and its regulation; the protection of individual rights in the cyberspace; the protection of society from cyber threats; and the regulation of private companies operating in the digital world. The course explores the legislative and technology landscape in this dynamic area and provides students with opportunities to discuss cutting-edge issues at the intersection of law, technology, and policy.
Session Cycle: Varies
Yearly Cycle: Varies.

LGLS 360. Law and Society. 3 Credit Hours.
This course is an introduction to the field of law and society. Students examine the nature of law and what we can and cannot expect it to do for us; the manner in which law and legal categories shape society; the role of lawyers, judges and other legal actors in the legal system; the basic structure of the judiciary and how cases flow through the court system, and controversial legal issues in such areas as business, medicine, and gender. Emphasis is placed on issues that illustrate the interaction between law and social control and law and social change. The course draws from a variety of perspectives including sociology, political science, history and philosophy. A major goal of the course is to give students a practical foundation in the critical assessment of law and legal thinking as well as improving their ability to make arguments in writing and orally.
Session Cycle: Varies
Yearly Cycle: Annual.

LGLS 380. Sport and the Law. 3 Credit Hours.
Sport acts as a prism on society. Sport can reflect and forecast changes in our society on local, regional, national and international levels. These changes and their interrelationship with Sport are studied in this class.
Prerequisites: LGLS 211
Session Cycle: Spring
Yearly Cycle: Annual.

LGLS 381. International Law. 3 Credit Hours.
International law encompasses the binding rules, norms and principles that govern the interaction among states. This course will introduce students to the basic concepts and problems of international law and of the international legal system, and will cover topics in this field such as the sources of international law, sovereignty, jurisdiction and responsibility of states, treaty law, non-intervention principles, the relationship between international law and national law, dispute resolution and international litigation. It will also address newer themes in international law such as the impact of international organizations and other “actors” in international law, international criminal law, the use of force and terrorism, and international environmental law.
Prerequisites: Sophomore standing
Session Cycle: Fall
Yearly Cycle: Varies.

LGLS 382. Nonprofit Law and Governance. 3 Credit Hours.
This course explores law, governance, and public policy issues surrounding the nonprofit segment of the US economy. Students will learn about the process of forming, maintaining, and governing a tax-exempt nonprofit organization. The course will examine the duties and liabilities of directors and officers, as well as other options to "do good" such as fiscal sponsorship.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Spring
Yearly Cycle: Varies.

LGLS 383. Health Law. 3 Credit Hours.
This course investigates how law regulates health and affects the health care industry, health care practitioners, patients, scientists, and other stakeholders. Each semester the topics included in the syllabus vary depending on what is currently debated. A list of topics for a past semester includes infectious disease, privacy, quarantine, FDA regulation, clinical trials, direct-to-consumer advertisement, medical tourism, reproductive health, rationing, abortion, end of life, and others.
Prerequisites: Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Varies.

LGLS 386. History, Law, and the Holocaust. 3 Credit Hours.
This course will explore in depth the Holocaust and its impact on the development of international law after 1945. Topics will include anti-Semitism, the rise of Hitler, the Final Solution, minority rights, domestic legal actions against perpetrators, the Nuremberg International Military Tribunal, Allied military courts, and subsequent national and international trials of accused Nazi war criminals. The course concludes with an examination of some of the leading post-Nuremberg topics in international human rights law today, including peremptory norms, transitional justice, hate speech prohibitions, and Holocaust denial. This is a cross-listed course with HIS 386.
Prerequisites: 200 level History course and sophomore standing
Session Cycle: Varies
Yearly Cycle: Annual.

LGLS 411. Markets and the Law: The Uniform Commercial Code. 3 Credit Hours.
This course provides an advanced look at some of the provisions of the Uniform Commercial Code. Topics include contracts, sales, negotiable instruments, and secured transactions. These topics are of particular concern to those who are interested in becoming accountants.
Prerequisites: Junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 412. Law of Financial Institutions. 3 Credit Hours.
This course offers a study of the laws and regulations that govern U.S. financial institutions and the federal agencies that regulate those institutions. We analyze the creation and actions of the monetary system and capital markets. We examine the evolution of regulatory efforts and analyze current issues and challenges that face regulators and institutions going forward. In particular, we will examine the 2007-2008 meltdown of the mortgage, securities, banking and derivatives industries, and the federal actions (legislative and regulatory) undertaken in response to those crises, with a particular focus on the provisions of the Dodd Frank Wall Street Reform and Consumer Protection Act of 2010.
Prerequisites: Junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

LGLS 413. Gender and the Law. 3 Credit Hours.
Gender & the Law reviews the history and continuing social battles over gender and gender-relevant issues from a legal lens. Various examples serve as illustrations of how law and policies can and have been utilized to improve and to worsen social problems and discrimination in the United States and in selected foreign jurisdictions and regions. The class examines how, in the United States, law has affected social issues related to gender; sometimes creating the inequalities and inequities for marginalized sex and gender groups and sometimes as instrumental for breaking down barriers for women and transgender persons. The class covers women's rights movements in other regions of the world and the role of international law and women's movements. Policy issues can include voting rights; privacy; affirmative action; abortion; reproductive rights; dress codes; rape laws; domestic violence and human trafficking; and discrimination based on sex and sexual orientation.
Prerequisites: LGLS 230 or LGLS 211.

LGLS 443. Legal Ethics. 3 Credit Hours.
Thinking deeply about the nature of "the Good" is the starting point for investigating the purposes of law. To this end, Legal Ethics introduces the student to the leading ethical systems that have guided human thought about the Good. Using examples from both U.S. and international law, the course helps the student to integrate an understanding of ethical systems and theories of moral development into the study of law broadly considered. For qualified students, this course may be taken as a 500-level graduate content level course. Permission of the instructor is required.
Prerequisites: Sophomore standing and one 300-level Legal Studies course or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Varies.

LGLS 451. International Business Law. 3 Credit Hours.
This course will address both the broader issues of government control of international business and the process of doing business overseas. It will compare the unique culture and legal systems of the United States, Europe, Japan and the Middle East. In addition, the course will focus on the mechanics of doing business overseas under international agreements such as GATT, NAFTA and the European Union.
Prerequisites: LGLS 211 or permission of the instructor
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LGLS 490. Seminar in Politics and Law. 3 Credit Hours.
This seminar serves as the interdisciplinary capstone course for students in the Politics and Law major. Structured as a series of discussions on pressing political and legal questions, the course emphasizes critical dialogue, collaborative inquiry, and reflection. Students will analyze complex problems and consider their ethical, institutional, and theoretical implications through rigorous analysis, presentations, and writing that demonstrate integrative thinking across the major. This course is cross-listed with POLS 490.
Prerequisites: Politics and Law major and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 497. Directed Study in Legal Studies. 3 Credit Hours.
Under faculty supervision, students pursue a well-defined area of interest in legal studies.
Prerequisites: LGLS 211 and permission of the instructor.

Political Science Courses

POLS 240. Contemporary Problems and Policy Responses. 3 Credit Hours.
This course places students in a dynamic learning environment within which they learn by wrestling, individually and collectively, with a series of complex, real-world problems. Different problems are selected each semester. The common thread is that these are all intractable problems created or aggravated by human intervention. The problems affect people around the world, but not always in the same ways. Students undertake repeated work cycles to analyze complex problems and evaluate appropriate policy responses. With an emphasis on the "process" of tackling social problems rather than the "end product" of that process, the course engages students in an exploratory learning process to strengthen their problem-solving skills, critical thinking, and ethical reasoning.

POLS 241. Introduction to International Politics. 3 Credit Hours.
This course is an introduction to the field of international politics, also known as international relations. It focuses on a variety of interconnected topics, including the development of the nation-state system and political interactions among countries over issues of war and peace, human rights, and economic and environmental policies. We also explore the evolution and work of international institutions such as the United Nations and the World Bank, and non-governmental international organizations such as environmental and human rights groups.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

POLS 256. Introduction to U.S. Politics. 3 Credit Hours.
This is an introductory course about the role of U.S. government and politics in American society. After tracing the development of the U.S. Constitution, the course surveys a range of topics including Congress, the presidency, the Supreme Court, federalism, political parties and elections, interest groups, civil liberties, and civil rights. Contemporary domestic policy debates are also covered.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

POLS 290. Honors Politics of the International System. 3 Credit Hours.
This honors course explores the current international political system. It examines major historical developments that shaped the actors and power distribution of the current system. Next, it explores competing international relations theories that attempt to explain the main motivations and realities guiding the behavior of actors in the system. Then, it focuses on contemporary issues with global implications. Subsequently, it examines recent and future challenges faced by particular key actors in the system as they attempt to shape the global system of the future. It concludes by returning to the system level to consider the prospects for global cultural clashes or peace through globalization. Students receiving credit for POLS 241/GLOB 241, Introduction to Global Politics, cannot receive credit for this class.
Prerequisites: Honors Program
Session Cycle: Fall
Yearly Cycle: Alternate Years.

POLS 291. Honors Contemporary U.S. Politics. 3 Credit Hours.
This honors course covers the ideas and historical factors that shaped the formation and evolution of the U.S. political system. This course surveys a range of topics including Congress, the presidency, the Supreme Court, federalism, political parties, elections, interest groups, civil liberties, and civil rights. It also focuses on the governmental and non-governmental players in the policy making system and goes beyond book knowledge to examine contemporary U.S. politics. Students receiving credit for POLS 256, Introduction to U.S. Politics, cannot receive credit for this course.
Prerequisites: Honors program
Session Cycle: Fall
Yearly Cycle: Alternate Years.

POLS 351. United States Foreign Policy. 3 Credit Hours.
Students in this course survey the instruments, implementation and issues of U.S. foreign policy. Students will learn about America's rise to power and its current role in the world with a focus both on how foreign policy is made and Post WWII U.S. involvements overseas.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Annual.

POLS 353. Campaigns, Elections, and Voting in the U.S.. 3 Credit Hours.
This course examines campaigns, elections, and voting in the United States. Topics include electoral competition, campaign organization and strategy, nominations and elections, voting behavior, and the influence of public opinion, interest groups, and the media on the electoral process. The course is offered in the fall semester of even-numbered years when congressional and/or presidential elections take place.
Prerequisites: POLS 241 or POLS 256 or POLS 290 or POLS 291
Session Cycle: Fall
Yearly Cycle: Alternate Years.

POLS 354. The U.S. Congress. 3 Credit Hours.
This course examines the U.S. Congress as a central institution in American government, exploring its structure, organization, and functions. Students will analyze congressional elections, including who runs for office, how campaigns unfold, and the factors influencing electoral success. The course will also cover the internal workings of Congress, including the differences between the House and Senate, the role of political parties, congressional committees, and the legislative process. Additionally, students will explore legislative behavior, the relationship between Congress and the executive and judicial branches, and how institutional norms and rules shape decision-making. The course will also examine its role in shaping public policy, including how legislative priorities are set and the factors that influence which issues gain traction. Core themes of democracy and representation will be emphasized throughout the course.
Prerequisites: POLS 256 or POLS 291 or POLS GLOB 241 or POLS GLOB 290
Session Cycle: Spring
Yearly Cycle: Alternate Year.

POLS 356. The Presidency in Modern American Politics. 3 Credit Hours.
The image of the presidency today as the centerpiece of the American political system is very different than the one originally outlined in the U.S. Constitution. What has brought about this change? How has this transformation impacted the separation of powers and the respective roles of Congress and the Supreme Court? What does the popular image of the president as "chief decider" signify for a democratic system of government? These questions and more guide this course's exploration of the presidency in modern American politics.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291.

POLS 361. Comparative Politics. 3 Credit Hours.
This course examines the key concepts, issues, and trends in comparative politics. Comparative politics focuses on the study of political organization and behavior using the method of comparison across time and between country cases. The course covers topics such as various types of political systems, political participation, economic development, and nationalist movements/identities. Types of countries covered include: established democracies, authoritarian regimes, communist, and developing countries.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Annual.

POLS 366. Politics of Asia. 3 Credit Hours.
This course uses comparative methodology to analyze the government and domestic politics of India, China, and Japan. Students will be introduced to the political institutions and processes of the three countries, and explore the impact of history, cultural dynamics specific to Asia and South Asia, government structures and economic change on political processes. State-society relations are examined within the context of democratization, development, and citizen movements. Issues regarding cultural and scholarly lenses will be addressed through critical examination of relevant materials and theories discussed in class.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290, or POLS 291
Session Cycle: Spring
Yearly Cycle: Varies.

POLS 367. Global Environmental Sustainability and Policy. 3 Credit Hours.
This course examines the intersection of global environmental sustainability issues, political policy, and the world economic issues. It focuses on different trajectories of environmental and ecological politics and thought, and on foundations for policy, with particular focus on climate change. The central premise is that deciding how to respond to climate change is a highly political process involving conflicts over competing values and interests, the growth of international institutions, and the link between climate change and the global economy.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Fall
Yearly Cycle: Varies.

POLS 440. Interest Groups and Lobbying. 3 Credit Hours.
Are lobbyists skilled advocates or manipulative influencers? To explore answers to this question, we will examine the role of interest groups and their lobbyists in American politics, analyzing their organization, prominence, and influence. The course will cover campaign finance and the strategies interest groups use to shape policy by influencing those in office. Despite public criticism of special interests, these groups remain deeply embedded in the policy making process, particularly through lobbying efforts in Congress, the executive branch, and the judiciary. We will also examine social movements, exploring the conditions that lead to their emergence, the factors that shape their success or failure, and how they differ from organized interest groups in influencing public policy. By the end of the course, students will have developed a deeper understanding of advocacy, influence, and political representation in the United States.
Prerequisites: POLS 256 or POLS 291 or POLS GLOB 241 or POLS GLOB 290 or Permission of Instructor
Session Cycle: Alternate Fall Semesters.

POLS 452. American Political Economy. 3 Credit Hours.
What is the nature of the relationships that exist between government and business, politics and economy, power and money in the United States? And why do these relationships matter? In this course, we will use these questions as a starting-point from which to undertake a critical examination of these relationships as they exist today and to consider where they might be heading in the future, and to generate conclusions about their potential implications - political, economic, and social.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Every Other Semester.

POLS 462. International Security. 3 Credit Hours.
In this course, students analyze the nature of the modern international system, and the resultant struggle for power, including power politics, balance of power, and war and peace. This course covers the bases and limitations of national power as well as international law, international organization and diplomacy. It applies enduring principles to modern issues and cases.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Alternate Years.

POLS 463. Ethics in International Affairs. 3 Credit Hours.
"All's fair in love and war" used to effectively summarize global politics, but in recent years, moral considerations have become major, but still controversial, components of many policy discussions. This course will examine issues such as the ethical constraints on the use of force, human rights norms, issues created by global inequality and by development programs, and ethical implications of the global economy and multinational corporations.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Alternate Years.

POLS 464. Political Ideologies - Old and New. 3 Credit Hours.
This course examines first the conflicting political philosophies of liberalism, conservatism, and Marxism which shaped the development of Western democracies and the former Communist countries, and then considers modern ideological debates over third world nationalism, environmentalism, and feminism.
Prerequisites: GLOB/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Spring
Yearly Cycle: Alternate Years.

POLS 481. Politics of Development. 3 Credit Hours.
This course examines the political, economic, and social structures of the broad array of countries in Asia, Africa, Latin America and the Middle East that make up the developing world. The major challenges faced by these countries and strategies adopted to address them will be identified and analyzed. A historical overview of the evolution of the developing world will explore the impact of colonialism and issues of post-colonialism. Issues of gender, race, ethnicity, sustainable development and the environment will also be explored.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Alternate Years.

POLS 483. Politics of International Economic Relations. 3 Credit Hours.
This course focuses on the role of individual country governments, official international economic organizations, and globally-oriented non-governmental organizations (NGO's) in the international economic system. It examines conflict and cooperation among nations, as well as interactions between countries and international institutions such as the International Monetary Fund, the World Bank, and the World Trade Organization, as they engage in the management of trade, investment flows, exchange rates, debt, and the global environment. It also considers politics within individual countries as they affect that country's international economic policies, looking at governmental relations with business, labor associations and other non-governmental organizations as these impact on trade policies, exchange rates, and the regulation of multinational corporations' overseas operations.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Fall
Yearly Cycle: Varies.

POLS 490. Seminar in Politics and Law. 3 Credit Hours.
This seminar serves as the interdisciplinary capstone course for students in the Politics and Law major. Structured as a series of discussions on pressing political and legal questions, the course emphasizes critical dialogue, collaborative inquiry, and reflection. Students will analyze complex problems and consider their ethical, institutional, and theoretical implications through rigorous analysis, presentations, and writing that demonstrate integrative thinking across the major. This course is cross-listed with LGLS 490.
Prerequisites: Politics and Law major and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

POLS 497. Directed Study in Politics. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the political science faculty. The main requirement of the course is the development of a substantial paper or project.
Prerequisites: varies by topic.

POLS ST302. Saving the World with Data. 3 Credit Hours.
This course introduces the scope and methods of contemporary political science research, emphasizing a range of techniques to address complex policy issues at the national and global levels. Political scientists employ a diverse set of tools to collect, analyze, and visualize data. We will hone the skills necessary to conduct research through fieldwork, interviews, surveys, and statistical analysis. To accomplish this, you will engage innovative techniques utilizing statistical software and artificial intelligence (AI). Throughout the course, you will also cultivate an understanding of the ethics involved in research. The practical skills learned in this course are highly transferable and can be applied to various careers after college.
Prerequisites: POLS 256 or POLS 291 or POLS GLOB 241 or POLS GLOB 290 or Permission of Instructor, MATH 201 or Permission of Instructor and Sophomore Standing
Corequisites: Prerequisites may be taken as corequisites only with permission of instructor
Session Cycle: Alternate Spring Semesters.

POLS ST400. Politics and Society of Modern Japan Confucian Culture to Animation Generation. 3 Credit Hours.
This course is designed for upper level Politics and Law majors and minors and Global Studies majors as well as those interested in the dynamic political and social challenges being faced by Japan, the most important ally of the United States in the region. This course uses a comparative perspective to examine the history and present day manifestation of Confucian thought which are key in understanding the way that the Japanese government structures relationships with its citizens. Moreover, the course examines Japanese society and the many changes working to shift and sometimes undo ancient traditions in order to manage such problems as: Japan's shrinking population, economic stagnation, environmental catastrophe security threats from Japan's neighbors and the country's changing relationship with the United States.

Prerequisites: POLS 256 or POLS 291 or POLS/GLOB 241 or POLS/GLOB 290.

Sociology and Anthropology Courses

SOAN 242. Principles of Anthropology. 3 Credit Hours.
This course studies the consequences of globalization for human beings as they come to understand and value themselves, their relations to others, and their "place in the world." Students discuss a number of challenges to traditional concepts of "culture" important to understanding an anthropological approach to the concept of globalization. The course approaches "globalization," the movement of information, goods, services, capital and people throughout the global space, from a variety of perspectives, including discussion of global migration and diaspora and consideration of the globalization of media.
Session Cycle: Every Semester.

SOAN 243. Honors: The Anthropology of Globalization. 3 Credit Hours.
In this course, students interpret global transformations through studying anthropological texts and films that provide in-depth analysis of local-level instances of globalization. These ethnographic studies allow students to improve their specific knowledge of people and places throughout the world and also to develop more theoretically rigorous approaches toward explaining what is meant by the term globalization. To this end, students examine, among other themes, ethnicity to better comprehend issues of power, resources, and land in conflict situations; the movement of textiles to recognize post-Fordist social and economic practices; human trafficking to conceptualize commodification of the human body; and refugee migrations to understand transnationalism. In short, this course offers micro-level case studies, methods, and approaches toward learning about and explaining broad social and cultural processes.
Prerequisites: Honors Program
Session Cycle: Every Fall Semester.

SOAN 251. Principles of Sociology. 3 Credit Hours.
In this foundational course, students explore the major aspects of sociology as a discipline, such as classic and contemporary theories, research principles and methods, culture, and socialization. Through real-world examples and activities, students come face-to-face with pressing social issues, including various forms of inequality, and the challenges facing modern social institutions. Students will leave this course with a deeper understanding of, and appreciation for, how humans come together to form the structures and groups that shape day-to-day life.
Session Cycle: Every Semester.

SOAN 253. Honors Sociology. 3 Credit Hours.
This course is a more advanced introduction to sociology, students explore the major aspects of sociology as a discipline, such as classic and contemporary theories, research principles and methods, culture, and socialization. Through real-world examples and activities, students come face-to-face with pressing social issues, including various forms of inequality and the challenges facing modern social institutions. Students will leave this course with a deeper understanding of, and appreciation for, how humans come together to form the structures and groups that shape day-to-day life.
Prerequisites: Honors Program
Session Cycle: Every Spring Semester.

SOAN 301. From Asylums to Zoloft: The Sociology of Mental Health. 3 Credit Hours.
We often think of mental health and illness as personal experiences that affect an individual and require individual resolution (e.g., therapy, medication, etc.). However, there are social dimensions to mental health that warrant exploration as well, such as: How have definitions and treatments of mental illness changed over time and across cultures? How do sociodemographic differences (e.g., gender, race, socioeconomic status) inform how people experience mental healthcare, both historically and in modern times? What effects do recent events and trends, like COVID-19 and social media use, have on people's mental wellbeing? To begin addressing these and other sociological questions, students will review of-the-moment research, engage in critical discussions, and reflect on their own views regarding mental health; participation in this course will culminate with an experiential "deep dive" into a current mental health-related issue.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Varies.

SOAN 302. Global Perspectives on Community Development. 3 Credit Hours.
The Sustainable Development Goals (SDGs) are just one example in a long history of global collaboration aimed to improve the lives of the world's most marginalized communities. This course examines this global development project from an anthropological, people-centered lens. It focuses on three aspects of the project. First, it evaluates the achievements and shortcomings of the project from the perspectives of the everyday people they are intended to serve. Second, it examines how everyday people have challenged and redefined development. And third, it examines models for working in partnership and solidarity with people as they seek to improve their lives.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253 or ECO 367 or by permission
Session Cycle: Every Fall Semester.

SOAN 303. Global Policy Challenges. 3 Credit Hours.
This course explores contemporary global policy issues—such as inequality, migration, public health, and climate justice—through anthropological and sociological lenses, emphasizing how local experiences and cultural contexts shape and are shaped by global forces. For six weeks during the semester, students study case studies, ethnographies, and theoretical frameworks to understand global issues within a specific country. The course culminates in a faculty-led study abroad experience.
Prerequisites: Sophomore Standing
Session Cycle: Every Spring Semester.

SOAN 351. Social Problems Social Solutions. 3 Credit Hours.
An exploration of major contemporary social problems, examining the key explanations for them. These explanations are used to assess the likely success of current and proposed social solutions. Key problems studied include inequalities linked to race, ethnicity, gender, immigration status, education, age, and criminal justice—as well as overpopulation and environmental degradation. U.S. problems and their possible solutions are illuminated with cross national comparisons.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 355. Social Determinants of Health. 3 Credit Hours.
Social Determinants of Health (SDOH) are conditions, forces, and systems that influence health outcomes. Structural determinants include economic and social policies that impact food security and early childhood development; governing processes that influence the funding and support for equitable education and fair housing; legal policies that shape access to medical resources and safe working conditions; and forms of discrimination that unjustly favor some populations over others. In this course, we examine SDOH in different global contexts and draw on the field of medical anthropology to explore policies and approaches to solving public health issues. During the semester, we learn broadly about human behavior and health through drawing on an interdisciplinary source of readings, films, and ethnographies. Students work on both comprehending the sources of health problems and designing solutions that can foster more equitable health outcomes.
Session Cycle: Every Spring Semester.

SOAN 356. Sociology of Family. 3 Credit Hours.
The central goal of this course is to lead students to a deeper understanding of the ways in which American families are changing. Through an examination of the family in sociological and historical perspectives, students gain insight into the mythology of the "traditional American family" and its formation. We discuss the diversity of current family forms and the ways in which the family is tied into the larger structure of society. The course also examines hooking up, partnering, parenting, the division of household labor, and divorce.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Fall Semester.

SOAN 360. Sociology of Sport. 3 Credit Hours.
This course provides an overview of the discipline of sociology of sport. The course focuses on the global aspects of sport, with an emphasis on the relationship between sport and race, class, gender, sexual orientation, and national identity. It provides students with the theories, concepts and perspectives that allow them to better understand the relationships between sport, society and culture.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, or SOAN 253
Session Cycle: Every Spring Semester.

SOAN 370. Crime and Justice. 3 Credit Hours.
This course applies sociological theory and research to the study of crime and justice. Students engage in policy discussions and projects focused on the philosophy and practice of how societies address major issues of crime and justice (e.g., in education, immigration, drug control, and other areas). Students will learn not only about the criminal justice system but also about the role that multiple social institutions - like family, the market, social media, etc. - play in a sociology of crime and justice.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Fall Semester.

SOAN 389. Fieldwork in Local Communities. 3 Credit Hours.
This course introduces students to mixed methods research through a hands-on, fieldwork-centered approach. Students learn to design and carry out projects that integrate qualitative techniques—such as interviews, participant observation, focus groups, and qualitative coding—with quantitative tools including descriptive statistics, regression analysis, and data visualization. The course emphasizes how combining ethnographic insights with numerical data produces more comprehensive understandings of culture, everyday life, and broader social patterns. Particular emphasis is placed on conducting research in collaboration with communities and ensuring that projects are responsive to community perspectives and priorities. By the end of the course, students are equipped with the skills and confidence to conduct research that is both methodologically rigorous and meaningfully engaged with the communities they study.

SOAN 390. Exploring Culture through Photographs, Maps, and Media. 3 Credit Hours.
This course introduces students to visual anthropology, focusing on the use of visual media to study and represent culture, society, and human behavior. Students will explore research methods such as photovoice, auto-photography, photoelicitation, photojournalism, and GIS mapping. Through hands-on assignments and weekly readings, they will learn to document, analyze, and communicate anthropological insights using visual data. The course also addresses the ethical challenges of using visual media in research, with attention to issues of representation, authenticity, and manipulation, including the use of AI-generated images and deepfakes. Students will develop the ability to critically assess visual content and apply visual methods to complex social and cultural problems.
Prerequisites: Sophomore Standing
Session Cycle: Alternate Spring Semesters.

SOAN 401. Health and Wellbeing in Global Perspective. 3 Credit Hours.
What does it mean to be “healthy” in a world shaped by social media, stress, unequal access to care, and global health crises? This course explores health and wellbeing beyond medicine, examining how culture, history, politics, and biology shape wellness, illness, and care. Drawing on anthropology and public health, students investigate how physical health, social connection, meaningful work, caregiving, and spiritual beliefs influence wellbeing across childhood, adulthood, and later life. Through ethnographic research, historical case studies, and public health research, students trace changing approaches to healing—from traditional medical practices to contemporary debates about mental health, chronic illness, and global health interventions—highlighting the ways health and wellbeing matter in everyday life and across societies.
Prerequisites: ANTH242, ANTH243, SOC251, SOC253, SOAN242, SOAN243, SOAN251, or SOAN253 and Sophomore Standing
Session Cycle: Alternate Fall Semesters.

SOAN 451. From the Cradle to the Grave: Society and Population Health. 3 Credit Hours.
What exactly is a “population?” How do we tell how a “population” is faring? What kinds of challenges do modern “populations” face? In this course, we will begin to answer these questions as we investigate human groups, particularly the U.S. population. Using key metrics and concepts from demography to build a foundation for inquiry, this course then explores in depth three factors popularly used to gauge population health: fertility, morbidity, and mortality. Through examining rigorous academic research and real-world journalism, students will confront and consider issues related to childbirth, including the politicization of pregnancy and the challenges of family life; sickness, including modern threats to human health (e.g., the opioid epidemic, COVID-19 pandemic, etc.); and death, including both causes and cultural anxieties about end-of-life and what comes next.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 452. Jobs, Gigs, and Hustles: The Sociology of Work. 3 Credit Hours.
From Uber drivers to TikTok creators, from freelance coders to AI-powered customer service bots-work today looks nothing like it did a generation ago. This course explores how technology, algorithms, and family life are reshaping labor, identity, and inequality. Students will examine the rise of gig work, the impact of artificial intelligence on employment, and the social consequences of working without traditional protections or permanence. In this course we’ll ask: What does it mean to “have a job” in the 21st century? Who benefits-and who gets left behind?.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Alternate Spring Semesters.

SOAN 453. Race and Ethnicity. 3 Credit Hours.
This course examines and uses theories to understand the treatment and life chances of racial and ethnic subpopulations, with an emphasis on U.S. society. Students explore the many ways stereotypes, prejudice, racism, and privilege become part of our everyday interaction and reinforce institutional discrimination.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Spring Semester.

SOAN 454. Social Theory: The Study of Isms and Phobias. 3 Credit Hours.
This seminar is first and foremost a study of classical and contemporary social theory. It also examines the ways in which a variety of these theories, both classical and contemporary, view and explain social inequalities. More specifically, we will use theories, theorists, and concepts from theories to help us better understand "isms and phobias" including racism, sexism, classism, heterosexism, homophobia, transphobia, ethnocentrism and xenophobia.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Fall Semester.

SOAN 455. Urban Realities: Exploring the City Through Sociology. 3 Credit Hours.
This course invites students to critically explore the urban landscape through the dual lenses of sociological theory and immersive experience. Blending traditional fieldwork with cutting-edge virtual reality (VR) technology, students will investigate how cities shape — and are shaped by — social forces such as protest, gentrification, street art, and identity. This is a hands-on, course designed for students who want to move beyond the classroom and into the city — both physically and virtually — to understand the complex dynamics of urban life.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 456. The Human Spark: How Innovation and Creativity Shape Society. 3 Credit Hours.
This course takes a sociological perspective on creativity and innovation exploring the sociological context of each. Combining readings and lectures, class activities and a community engaged project, students will learn about the social context of creativity and innovation, and they will also understand more deeply their own creative processes and strengthen these processes.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 491. Sociology and Anthropology Capstone. 3 Credit Hours.
Designed for student majoring in Sociology and Anthropology, this senior-level capstone seminar asks students to explore, either as an individual directed-study or as part of a weekly seminar, some aspect of an important social issue as it relates to the operation of a social institution.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253 and Junior standing
Session Cycle: Every Spring Semester.

SOAN 497. Directed Study in Sociology and Anthropology. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the sociology faculty. The main requirement of the course is the development of a substantial paper or project.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

Politics and Law Programs

Major In Politics and Law

Politics and Law is a unique program that brings together the complementary disciplines of Political Science and Legal Studies. This approach is reflected in its learning goals, its curriculum, its co-curricular opportunities, and the diverse intellectual make-up and personal commitments of its faculty members and students.

Political Science courses explore American government, and international politics. In Legal Studies, students learn about a variety of legal problems and develop insights into the ways that cultural forces, social change, intellectual debate, and historical developments shape law.

Students examine the theories and conceptual models used to describe, explain, and predict events, so that they move beyond seeing political events as simply a series of distinct cases. Majors learn the research methods of the field, so that they can produce their own analysis of public policy issues and independent research.

Students in the Politics and Law major will:

- Cultivate their curiosity for civic life and become driven learners engaged in purposeful learning.
- Learn how to identify, locate, evaluate, and use, responsibly and effectively, information that is relevant for the inquiry at hand.
- Engage systematically in the exploration of complex problems and learn how to reach persuasive conclusions based on the information available.
- Integrate values, knowledge, and skills to generate a personal viewpoint that has the potential to influence conversations about complex problems.

Politics and Law Concentration (p. 191)

The concentration in Politics and Law allows students to develop an understanding of how political institutions and legal systems shape public life. It introduces students to the interconnected disciplines of political science and legal studies, emphasizing how political decisions create legal frameworks and how legal institutions influence political outcomes.

Political Science Minor (p. 196)

The minor in Political Science prepares students for a world shaped by political questions and decisions. Minors learn key facts, terms, and background information on critical political issues related to- American politics, comparative politics, and international politics.

Legal Studies Minor (p. 196)

The minor in Legal Studies exposes students to the study of “law in context.” Minors acquire familiarity with the ways in which law operates in society and the many facets of the law as a social phenomenon, its origins, evolution, function, and effects. Furthermore, minors are exposed to practical skills needed to analyze legal phenomena and to investigate legal resources, broadly defined.

Global Studies Minor (p. 196)

Global Studies is an interdisciplinary minor in the College of Humanities and Social Sciences that prepares students with the understanding of other countries, cultures and global interactions. Students move beyond

seeing global challenges and opportunities as simply current events or as a series of single cases by examining theories and conceptual models used to organize, explain and predict events. Students examine the world from the perspective of citizens, movements and everyday realities, so that they can produce their own analyses of public policy issues and cultural interactions.

Bachelor of Arts with a Major in Politics and Law Degree Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Politics and Law Major Requirements

Politics and Law Major Requirements		
Required Courses:		
POLS 241	Introduction to International Politics	3
or POLS 290	Honors Politics of the International System	
POLS 256	Introduction to U.S. Politics	3
or POLS 291	Honors Contemporary U.S. Politics	
LGLS 230	Introduction to the U.S. Legal System	3
LGLS 320	Global Legal Traditions	3
POLS/LGLS 490	Seminar in Politics and Law	3
Five Electives in the Major from POLS and LGLS, at least one elective must be at the 400 level.		15

A minimum of 30 credits is required for the major.

A minimum 120 credit hours required for graduation.

The concentration in Politics and Law allows students to develop an understanding of how political institutions and legal systems shape public life. It introduces students to the interconnected disciplines of political science and legal studies, emphasizing how political decisions create legal frameworks and how legal institutions influence political outcomes.

Politics and Law Concentration Requirements:

Required Courses:		
POLS 241	Introduction to International Politics	3
or POLS 256	Introduction to U.S. Politics	
or POLS 290	Honors Politics of the International System	
or POLS 291	Honors Contemporary U.S. Politics	
LGLS 230	Introduction to the U.S. Legal System	3
Students must take four(4) 300/400 level POLS/LGLS Courses. One must be a POLS Course. One must be a LGLS course and One must be at the 400 level.		12

A minimum of 18 credits is required for the concentration.

- Global Studies Minor (p. 196)
- Legal Studies Minor (p. 196)
- Political Science Minor (p. 196)

Legal Studies Courses

LGLS 211. The Legal Environment of Business. 3 Credit Hours.
This course emphasizes the nature of legal systems and processes. Topics include agency, contracts, the Uniform Commercial Code, debtor-creditor relationships, government regulation of business, and business structure (selection of a business entity).
Prerequisites: Sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LGLS 230. Introduction to the U.S. Legal System. 3 Credit Hours.
This introductory law course provides an overview of the U.S. legal system. The course introduces students to various areas of law including the sources of law and the court system, constitutional law, civil law and procedure, criminal law and procedure, and the regulatory state. The course also explores the connection of the U.S. legal system with the international legal system and the legal systems of other countries. Students will acquire foundational understanding of the ways in which the U.S. legal system operates and enhance their ability to analyze and resolve problems.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LGLS 320. Global Legal Traditions. 3 Credit Hours.
This course introduces students to the comparative study of law. Students learn how laws differ from the across countries. The course places national laws in the broader context of major legal traditions, including common law, which has been the most influential in shaping American law. Each tradition is examined in terms of its institutions and substantive law, its founding concepts and methods, its attitude towards the concept of change and its teaching on relations with other traditions and peoples.
Prerequisites: LGLS 211 or LGLS 230, Sophomore Standing
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 330. Criminal Law and Procedure. 3 Credit Hours.
This course focuses on criminal law and procedure. Students learn about the foundations of criminal responsibility, the definition of common crimes, and criminal procedural requirements. The objectives of this course are to learn the substantive and procedural criminal procedure, gain knowledge of constitutional rights in the context of criminal law and procedure, and gain an understanding of the moral, philosophical, and public policy considerations in the use of criminal sanctions. Substantive law topics include how guilt is established, justification of punishment, defining criminal conduct, inchoate crimes. Procedural law topics include right to counsel, search warrant and permissible warrantless searches, jury selection, negotiated pleas, and the rules of evidence.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Spring
Yearly Cycle: Annual.

LGLS 340. The Legal and Ethical Aspects of Generative Artificial Intelligence. 3 Credit Hours.
This course explores the legal, ethical, and societal implications of artificial intelligence. Topics include data privacy, algorithmic bias, intellectual property, accountability, and the regulation of AI technologies. Students will examine real-world case studies and engage in critical discussions about responsible AI development and deployment. Emphasis is placed on understanding how laws and ethical frameworks apply to emerging AI systems across industries.
Prerequisites: LGLS 211 or LGLS 230 and Sophomore Standing
Session Cycle: Every Spring Semester.

LGLS 351. Civil Rights and Liberties. 3 Credit Hours.
In this course students examine the legal principles and rules that define the nature and limits of American government and the rights of citizens under the Constitution. The course stresses analysis of Supreme Court decisions and their influence on American political and economic development.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 354. Communications Law. 3 Credit Hours.
A study of the legal rights and privileges of communications media, this course emphasizes the following topics: written communications; the problems of right to know versus right of privacy; libel, defamation, copyright, and infringement; examination of regulatory agencies; and theories of the First Amendment.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Spring
Yearly Cycle: Varies.

LGLS 356. Law and the Digital World. 3 Credit Hours.
The course provides an overview of legal and policy issues related to the impact of modern technology on society. Students are exposed to the key laws, regulations and cases relating to the digital world. The course is divided in four sections: a study of the infrastructure of the Internet and its regulation; the protection of individual rights in the cyberspace; the protection of society from cyber threats; and the regulation of private companies operating in the digital world. The course explores the legislative and technology landscape in this dynamic area and provides students with opportunities to discuss cutting-edge issues at the intersection of law, technology, and policy.
Session Cycle: Varies
Yearly Cycle: Varies.

LGLS 360. Law and Society. 3 Credit Hours.
This course is an introduction to the field of law and society. Students examine the nature of law and what we can and cannot expect it to do for us; the manner in which law and legal categories shape society; the role of lawyers, judges and other legal actors in the legal system; the basic structure of the judiciary and how cases flow through the court system, and controversial legal issues in such areas as business, medicine, and gender. Emphasis is placed on issues that illustrate the interaction between law and social control and law and social change. The course draws from a variety of perspectives including sociology, political science, history and philosophy. A major goal of the course is to give students a practical foundation in the critical assessment of law and legal thinking as well as improving their ability to make arguments in writing and orally.
Session Cycle: Varies
Yearly Cycle: Annual.

LGLS 380. Sport and the Law. 3 Credit Hours.
Sport acts as a prism on society. Sport can reflect and forecast changes in our society on local, regional, national and international levels. These changes and their interrelationship with Sport are studied in this class.
Prerequisites: LGLS 211
Session Cycle: Spring
Yearly Cycle: Annual.

LGLS 381. International Law. 3 Credit Hours.
International law encompasses the binding rules, norms and principles that govern the interaction among states. This course will introduce students to the basic concepts and problems of international law and of the international legal system, and will cover topics in this field such as the sources of international law, sovereignty, jurisdiction and responsibility of states, treaty law, non-intervention principles, the relationship between international law and national law, dispute resolution and international litigation. It will also address newer themes in international law such as the impact of international organizations and other "actors" in international law, international criminal law, the use of force and terrorism, and international environmental law.
Prerequisites: Sophomore standing
Session Cycle: Fall
Yearly Cycle: Varies.

LGLS 382. Nonprofit Law and Governance. 3 Credit Hours.
This course explores law, governance, and public policy issues surrounding the nonprofit segment of the US economy. Students will learn about the process of forming, maintaining, and governing a tax-exempt nonprofit organization. The course will examine the duties and liabilities of directors and officers, as well as other options to "do good" such as fiscal sponsorship.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Spring
Yearly Cycle: Varies.

LGLS 383. Health Law. 3 Credit Hours.
This course investigates how law regulates health and affects the health care industry, health care practitioners, patients, scientists, and other stakeholders. Each semester the topics included in the syllabus vary depending on what is currently debated. A list of topics for a past semester includes infectious disease, privacy, quarantine, FDA regulation, clinical trials, direct-to-consumer advertisement, medical tourism, reproductive health, rationing, abortion, end of life, and others.
Prerequisites: Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Varies.

LGLS 386. History, Law, and the Holocaust. 3 Credit Hours.
This course will explore in depth the Holocaust and its impact on the development of international law after 1945. Topics will include anti-Semitism, the rise of Hitler, the Final Solution, minority rights, domestic legal actions against perpetrators, the Nuremberg International Military Tribunal, Allied military courts, and subsequent national and international trials of accused Nazi war criminals. The course concludes with an examination of some of the leading post-Nuremberg topics in international human rights law today, including peremptory norms, transitional justice, hate speech prohibitions, and Holocaust denial. This is a cross-listed course with HIS 386.
Prerequisites: 200 level History course and sophomore standing
Session Cycle: Varies
Yearly Cycle: Annual.

LGLS 411. Markets and the Law: The Uniform Commercial Code. 3 Credit Hours.
This course provides an advanced look at some of the provisions of the Uniform Commercial Code. Topics include contracts, sales, negotiable instruments, and secured transactions. These topics are of particular concern to those who are interested in becoming accountants.
Prerequisites: Junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 412. Law of Financial Institutions. 3 Credit Hours.
This course offers a study of the laws and regulations that govern U.S. financial institutions and the federal agencies that regulate those institutions. We analyze the creation and actions of the monetary system and capital markets. We examine the evolution of regulatory efforts and analyze current issues and challenges that face regulators and institutions going forward. In particular, we will examine the 2007-2008 meltdown of the mortgage, securities, banking and derivatives industries, and the federal actions (legislative and regulatory) undertaken in response to those crises, with a particular focus on the provisions of the Dodd Frank Wall Street Reform and Consumer Protection Act of 2010.
Prerequisites: Junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

LGLS 413. Gender and the Law. 3 Credit Hours.
Gender & the Law reviews the history and continuing social battles over gender and gender-relevant issues from a legal lens. Various examples serve as illustrations of how law and policies can and have been utilized to improve and to worsen social problems and discrimination in the United States and in selected foreign jurisdictions and regions. The class examines how, in the United States, law has affected social issues related to gender; sometimes creating the inequalities and inequities for marginalized sex and gender groups and sometimes as instrumental for breaking down barriers for women and transgender persons. The class covers women's rights movements in other regions of the world and the role of international law and women's movements. Policy issues can include voting rights; privacy; affirmative action; abortion; reproductive rights; dress codes; rape laws; domestic violence and human trafficking; and discrimination based on sex and sexual orientation.
Prerequisites: LGLS 230 or LGLS 211.

LGLS 443. Legal Ethics. 3 Credit Hours.
Thinking deeply about the nature of "the Good" is the starting point for investigating the purposes of law. To this end, Legal Ethics introduces the student to the leading ethical systems that have guided human thought about the Good. Using examples from both U.S. and international law, the course helps the student to integrate an understanding of ethical systems and theories of moral development into the study of law broadly considered. For qualified students, this course may be taken as a 500-level graduate content level course. Permission of the instructor is required.
Prerequisites: Sophomore standing and one 300-level Legal Studies course or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Varies.

LGLS 451. International Business Law. 3 Credit Hours.
This course will address both the broader issues of government control of international business and the process of doing business overseas. It will compare the unique culture and legal systems of the United States, Europe, Japan and the Middle East. In addition, the course will focus on the mechanics of doing business overseas under international agreements such as GATT, NAFTA and the European Union.
Prerequisites: LGLS 211 or permission of the instructor
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LGLS 490. Seminar in Politics and Law. 3 Credit Hours.
This seminar serves as the interdisciplinary capstone course for students in the Politics and Law major. Structured as a series of discussions on pressing political and legal questions, the course emphasizes critical dialogue, collaborative inquiry, and reflection. Students will analyze complex problems and consider their ethical, institutional, and theoretical implications through rigorous analysis, presentations, and writing that demonstrate integrative thinking across the major. This course is cross-listed with POLS 490.
Prerequisites: Politics and Law major and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 497. Directed Study in Legal Studies. 3 Credit Hours.
Under faculty supervision, students pursue a well-defined area of interest in legal studies.
Prerequisites: LGLS 211 and permission of the instructor.

Political Science Courses

POLS 240. Contemporary Problems and Policy Responses. 3 Credit Hours.
This course places students in a dynamic learning environment within which they learn by wrestling, individually and collectively, with a series of complex, real-world problems. Different problems are selected each semester. The common thread is that these are all intractable problems created or aggravated by human intervention. The problems affect people around the world, but not always in the same ways. Students undertake repeated work cycles to analyze complex problems and evaluate appropriate policy responses. With an emphasis on the "process" of tackling social problems rather than the "end product" of that process, the course engages students in an exploratory learning process to strengthen their problem-solving skills, critical thinking, and ethical reasoning.

POLS 241. Introduction to International Politics. 3 Credit Hours.
This course is an introduction to the field of international politics, also known as international relations. It focuses on a variety of interconnected topics, including the development of the nation-state system and political interactions among countries over issues of war and peace, human rights, and economic and environmental policies. We also explore the evolution and work of international institutions such as the United Nations and the World Bank, and non-governmental international organizations such as environmental and human rights groups.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

POLS 256. Introduction to U.S. Politics. 3 Credit Hours.
This is an introductory course about the role of U.S. government and politics in American society. After tracing the development of the U.S. Constitution, the course surveys a range of topics including Congress, the presidency, the Supreme Court, federalism, political parties and elections, interest groups, civil liberties, and civil rights. Contemporary domestic policy debates are also covered.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

POLS 290. Honors Politics of the International System. 3 Credit Hours.
This honors course explores the current international political system. It examines major historical developments that shaped the actors and power distribution of the current system. Next, it explores competing international relations theories that attempt to explain the main motivations and realities guiding the behavior of actors in the system. Then, it focuses on contemporary issues with global implications. Subsequently, it examines recent and future challenges faced by particular key actors in the system as they attempt to shape the global system of the future. It concludes by returning to the system level to consider the prospects for global cultural clashes or peace through globalization. Students receiving credit for POLS 241/GLOB 241, Introduction to Global Politics, cannot receive credit for this class.
Prerequisites: Honors Program
Session Cycle: Fall
Yearly Cycle: Alternate Years.

POLS 291. Honors Contemporary U.S. Politics. 3 Credit Hours.
This honors course covers the ideas and historical factors that shaped the formation and evolution of the U.S. political system. This course surveys a range of topics including Congress, the presidency, the Supreme Court, federalism, political parties, elections, interest groups, civil liberties, and civil rights. It also focuses on the governmental and non-governmental players in the policy making system and goes beyond book knowledge to examine contemporary U.S. politics. Students receiving credit for POLS 256, Introduction to U.S. Politics, cannot receive credit for this course.
Prerequisites: Honors program
Session Cycle: Fall
Yearly Cycle: Alternate Years.

POLS 351. United States Foreign Policy. 3 Credit Hours.
Students in this course survey the instruments, implementation and issues of U.S. foreign policy. Students will learn about America's rise to power and its current role in the world with a focus both on how foreign policy is made and Post WWII U.S. involvements overseas.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Annual.

POLS 353. Campaigns, Elections, and Voting in the U.S.. 3 Credit Hours.
This course examines campaigns, elections, and voting in the United States. Topics include electoral competition, campaign organization and strategy, nominations and elections, voting behavior, and the influence of public opinion, interest groups, and the media on the electoral process. The course is offered in the fall semester of even-numbered years when congressional and/or presidential elections take place.
Prerequisites: POLS 241 or POLS 256 or POLS 290 or POLS 291
Session Cycle: Fall
Yearly Cycle: Alternate Years.

POLS 354. The U.S. Congress. 3 Credit Hours.
This course examines the U.S. Congress as a central institution in American government, exploring its structure, organization, and functions. Students will analyze congressional elections, including who runs for office, how campaigns unfold, and the factors influencing electoral success. The course will also cover the internal workings of Congress, including the differences between the House and Senate, the role of political parties, congressional committees, and the legislative process. Additionally, students will explore legislative behavior, the relationship between Congress and the executive and judicial branches, and how institutional norms and rules shape decision-making. The course will also examine its role in shaping public policy, including how legislative priorities are set and the factors that influence which issues gain traction. Core themes of democracy and representation will be emphasized throughout the course.
Prerequisites: POLS 256 or POLS 291 or POLS GLOB 241 or POLS GLOB 290
Session Cycle: Spring
Yearly Cycle: Alternate Year.

POLS 356. The Presidency in Modern American Politics. 3 Credit Hours.
The image of the presidency today as the centerpiece of the American political system is very different than the one originally outlined in the U.S. Constitution. What has brought about this change? How has this transformation impacted the separation of powers and the respective roles of Congress and the Supreme Court? What does the popular image of the president as "chief decider" signify for a democratic system of government? These questions and more guide this course's exploration of the presidency in modern American politics.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291.

POLS 361. Comparative Politics. 3 Credit Hours.
This course examines the key concepts, issues, and trends in comparative politics. Comparative politics focuses on the study of political organization and behavior using the method of comparison across time and between country cases. The course covers topics such as various types of political systems, political participation, economic development, and nationalist movements/identities. Types of countries covered include: established democracies, authoritarian regimes, communist, and developing countries.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Annual.

POLS 366. Politics of Asia. 3 Credit Hours.
This course uses comparative methodology to analyze the government and domestic politics of India, China, and Japan. Students will be introduced to the political institutions and processes of the three countries, and explore the impact of history, cultural dynamics specific to Asia and South Asia, government structures and economic change on political processes. State-society relations are examined within the context of democratization, development, and citizen movements. Issues regarding cultural and scholarly lenses will be addressed through critical examination of relevant materials and theories discussed in class.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290, or POLS 291
Session Cycle: Spring
Yearly Cycle: Varies.

POLS 367. Global Environmental Sustainability and Policy. 3 Credit Hours.
This course examines the intersection of global environmental sustainability issues, political policy, and the world economic issues. It focuses on different trajectories of environmental and ecological politics and thought, and on foundations for policy, with particular focus on climate change. The central premise is that deciding how to respond to climate change is a highly political process involving conflicts over competing values and interests, the growth of international institutions, and the link between climate change and the global economy.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Fall
Yearly Cycle: Varies.

POLS 440. Interest Groups and Lobbying. 3 Credit Hours.
Are lobbyists skilled advocates or manipulative influencers? To explore answers to this question, we will examine the role of interest groups and their lobbyists in American politics, analyzing their organization, prominence, and influence. The course will cover campaign finance and the strategies interest groups use to shape policy by influencing those in office. Despite public criticism of special interests, these groups remain deeply embedded in the policy making process, particularly through lobbying efforts in Congress, the executive branch, and the judiciary. We will also examine social movements, exploring the conditions that lead to their emergence, the factors that shape their success or failure, and how they differ from organized interest groups in influencing public policy. By the end of the course, students will have developed a deeper understanding of advocacy, influence, and political representation in the United States.
Prerequisites: POLS 256 or POLS 291 or POLS GLOB 241 or POLS GLOB 290 or Permission of Instructor
Session Cycle: Alternate Fall Semesters.

POLS 452. American Political Economy. 3 Credit Hours.
What is the nature of the relationships that exist between government and business, politics and economy, power and money in the United States? And why do these relationships matter? In this course, we will use these questions as a starting-point from which to undertake a critical examination of these relationships as they exist today and to consider where they might be heading in the future, and to generate conclusions about their potential implications - political, economic, and social.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Every Other Semester.

POLS 462. International Security. 3 Credit Hours.
In this course, students analyze the nature of the modern international system, and the resultant struggle for power, including power politics, balance of power, and war and peace. This course covers the bases and limitations of national power as well as international law, international organization and diplomacy. It applies enduring principles to modern issues and cases.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Alternate Years.

POLS 463. Ethics in International Affairs. 3 Credit Hours.
"All's fair in love and war" used to effectively summarize global politics, but in recent years, moral considerations have become major, but still controversial, components of many policy discussions. This course will examine issues such as the ethical constraints on the use of force, human rights norms, issues created by global inequality and by development programs, and ethical implications of the global economy and multinational corporations.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Alternate Years.

POLS 464. Political Ideologies - Old and New. 3 Credit Hours.
This course examines first the conflicting political philosophies of liberalism, conservatism, and Marxism which shaped the development of Western democracies and the former Communist countries, and then considers modern ideological debates over third world nationalism, environmentalism, and feminism.
Prerequisites: GLOB/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Spring
Yearly Cycle: Alternate Years.

POLS 481. Politics of Development. 3 Credit Hours.
This course examines the political, economic, and social structures of the broad array of countries in Asia, Africa, Latin America and the Middle East that make up the developing world. The major challenges faced by these countries and strategies adopted to address them will be identified and analyzed. A historical overview of the evolution of the developing world will explore the impact of colonialism and issues of post-colonialism. Issues of gender, race, ethnicity, sustainable development and the environment will also be explored.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Alternate Years.

POLS 483. Politics of International Economic Relations. 3 Credit Hours.
This course focuses on the role of individual country governments, official international economic organizations, and globally-oriented non-governmental organizations (NGO's) in the international economic system. It examines conflict and cooperation among nations, as well as interactions between countries and international institutions such as the International Monetary Fund, the World Bank, and the World Trade Organization, as they engage in the management of trade, investment flows, exchange rates, debt, and the global environment. It also considers politics within individual countries as they affect that country's international economic policies, looking at governmental relations with business, labor associations and other non-governmental organizations as these impact on trade policies, exchange rates, and the regulation of multinational corporations' overseas operations.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Fall
Yearly Cycle: Varies.

POLS 490. Seminar in Politics and Law. 3 Credit Hours.
This seminar serves as the interdisciplinary capstone course for students in the Politics and Law major. Structured as a series of discussions on pressing political and legal questions, the course emphasizes critical dialogue, collaborative inquiry, and reflection. Students will analyze complex problems and consider their ethical, institutional, and theoretical implications through rigorous analysis, presentations, and writing that demonstrate integrative thinking across the major. This course is cross-listed with LGLS 490.
Prerequisites: Politics and Law major and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

POLS 497. Directed Study in Politics. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the political science faculty. The main requirement of the course is the development of a substantial paper or project.
Prerequisites: varies by topic.

POLS ST302. Saving the World with Data. 3 Credit Hours.
This course introduces the scope and methods of contemporary political science research, emphasizing a range of techniques to address complex policy issues at the national and global levels. Political scientists employ a diverse set of tools to collect, analyze, and visualize data. We will hone the skills necessary to conduct research through fieldwork, interviews, surveys, and statistical analysis. To accomplish this, you will engage innovative techniques utilizing statistical software and artificial intelligence (AI). Throughout the course, you will also cultivate an understanding of the ethics involved in research. The practical skills learned in this course are highly transferable and can be applied to various careers after college.
Prerequisites: POLS 256 or POLS 291 or POLS GLOB 241 or POLS GLOB 290 or Permission of Instructor, MATH 201 or Permission of Instructor and Sophomore Standing
Corequisites: Prerequisites may be taken as corequisites only with permission of instructor
Session Cycle: Alternate Spring Semesters.

POLS ST400. Politics and Society of Modern Japan Confucian Culture to Animation Generation. 3 Credit Hours.
This course is designed for upper level Politics and Law majors and minors and Global Studies majors as well as those interested in the dynamic political and social challenges being faced by Japan, the most important ally of the United States in the region. This course uses a comparative perspective to examine the history and present day manifestation of Confucian thought which are key in understanding the way that the Japanese government structures relationships with its citizens. Moreover, the course examines Japanese society and the many changes working to shift and sometimes undo ancient traditions in order to manage such problems as: Japan's shrinking population, economic stagnation, environmental catastrophe security threats from Japan's neighbors and the country's changing relationship with the United States.

Prerequisites: POLS 256 or POLS 291 or POLS/GLOB 241 or POLS/GLOB 290.

Political Science Minor

Political Science Minor Requirements

Select one of the following:

POLS 241	Introduction to International Politics	3
POLS 256	Introduction to U.S. Politics	3
POLS 291	Honors Contemporary U.S. Politics	3
POLS 290	Honors Politics of the International System	3
Two 300 or 400 level political science courses		6
One 400-level political science course		3

A minimum of 12 credit hours is required for the minor.

Global Studies Minor

Global Studies Minor Requirements

POLS 241	Introduction to International Politics	3
SOAN 242	Principles of Anthropology	3
One 300 level course from the following list:		
ECO 367	Economic Development	3
HIS 354	Trends in Modern Thought	3
LCS 361	Studies in International Literature	3
LCS 388	Religious Studies	3
LGLS 320	Global Legal Traditions	3
LGLS 381	International Law	3
POLS 351	United States Foreign Policy	3
POLS 361	Comparative Politics	3
SOAN 389	Fieldwork in Local Communities	3
One 400 level course from the following list:		
COM 478	Global Communication	3
ECO 450	Current Affairs of East Asian Economy	3
ECO 471	International Trade	3
LCS 458	Anthropology of Music Industries	3
POLS 462	International Security	3
POLS 463	Ethics in International Affairs	3
POLS 481	Politics of Development	3
POLS 483	Politics of International Economic Relations	3
PSY 465	Cross-Cultural Psychology	3
SOAN 451	From the Cradle to the Grave: Society and Population Health	3
SOAN 455	Urban Realities: Exploring the City Through Sociology	3

A minimum of 12 credit hours is required for the minor.

Legal Studies Minor

Legal Studies Minor Requirements

Four legal studies elective courses (not including LGLS 211 which is included in the business core) including one 400-level legal studies course.	12

A minimum of 12 credit hours is required for the minor.

Sociology and Anthropology Programs

Sociology and Anthropology Major

The interdisciplinary Sociology/Anthropology major focuses on social and cultural aspects of humanity. Majors use a variety of quantitative and qualitative methods to explore from both a macro societal perspective and the micro personal level the causes and consequences of human actions and how those actions shape societal institutions and societal change. They explore societies locally and globally, and through time, so they can better understand both social diversity and social change. By critically exploring contemporary social issues, they learn the roots of those issues, but also how individual, group, and institutional actions can respond to today's challenges.

Students should be able to:

- Demonstrate knowledge of the core content of sociology and anthropology
- Use sociological and anthropological theory to understand the relationship between larger social forces and individual experiences.
- Analyze the complex problems via sociological and anthropological insights.
- Use research methods to suggest means to better comprehend the world and find solutions to complex social issues.

Sociology and Anthropology Concentration (p. 197)

The Sociology and Anthropology concentration develops the study of the ways people live, interact, and shape their societies. The program combines theory with experiential learning, including research, fieldwork, and applied projects, to connect classroom study with meaningful contexts beyond campus. By examining contemporary social problems, students gain insight into the forces driving today's challenges and the responses of individuals, groups, and institutions. It builds skills applicable to careers in public policy, education, social services, public health, and international development such as skills in research, data analysis, critical thinking, and applying sociocultural knowledge to real-world problems.

Sociology and Anthropology Minor (p. 197)

The Sociology and Anthropology minor introduces students to the study of the ways people live, interact, and shape their societies, while building skills applicable to careers in public policy, education, social services, public health, and international development. The program combines theory with experiential learning, including research, fieldwork, and applied projects, to connect classroom study with meaningful contexts beyond campus. By examining contemporary social problems, students gain insight into the forces driving today's challenges and the responses of individuals, groups, and institutions. The minor develops career-ready skills in research, data analysis, critical thinking, and applying sociocultural knowledge to real-world problems.

Bachelor of Arts with a Major in Sociology and Anthropology Degree Requirements:

General Education Requirements (p. 25)

University Minor Requirements (p. 207)

Sociology and Anthropology Major Requirements:

Sociology and Anthropology Major Required Courses:		
SOAN 242	Principles of Anthropology	3
or SOAN 243	Honors: The Anthropology of Globalization	
SOAN 251	Principles of Sociology	3
or SOAN 253	Honors Sociology	
SOAN 389	Fieldwork in Local Communities	3
SOAN 454	Social Theory: The Study of Isms and Phobias	3
SOAN 491	Sociology and Anthropology Capstone	3
Students must pick 5 additional SOAN courses, at least one elective must be at the 400 level.		

A minimum of 30 credit hours is required for the major.

A minimum of 120 credit hours is required for graduation.

Sociology and Anthropology Concentration Requirements:

Required Courses:		
SOAN 242	Principles of Anthropology	3
or SOAN 243	Honors: The Anthropology of Globalization	
SOAN 251	Principles of Sociology	3
or SOAN 253	Honors Sociology	
SOAN 389	Fieldwork in Local Communities	3
Students must take Two Sociology & Anthropology Courses(SOAN) at the 300/400 Level		6
Student must pick One Sociology& Anthropology Course (SOAN)at the 400 level.		3

A minimum of 18 credit hours is required for the concentration.

Sociology and Anthropology Minor Requirements:

Student must pick one(1)course from list below:		3
SOAN 242	Principles of Anthropology	
or SOAN 243	Honors: The Anthropology of Globalization	
or SOAN 251	Principles of Sociology	
or SOAN 253	Honors Sociology	
Students must pick two(2) SOAN courses at the 300/400 level		6
Students must take one(1) SOAN course at the 400 level		3

A minimum of 12 credit hours is required for the minor.

Courses

SOAN 242. Principles of Anthropology. 3 Credit Hours.
This course studies the consequences of globalization for human beings as they come to understand and value themselves, their relations to others, and their "place in the world." Students discuss a number of challenges to traditional concepts of "culture" important to understanding an anthropological approach to the concept of globalization. The course approaches "globalization," the movement of information, goods, services, capital and people throughout the global space, from a variety of perspectives, including discussion of global migration and diaspora and consideration of the globalization of media.
Session Cycle: Every Semester.

SOAN 243. Honors: The Anthropology of Globalization. 3 Credit Hours.
In this course, students interpret global transformations through studying anthropological texts and films that provide in-depth analysis of local-level instances of globalization. These ethnographic studies allow students to improve their specific knowledge of people and places throughout the world and also to develop more theoretically rigorous approaches toward explaining what is meant by the term globalization. To this end, students examine, among other themes, ethnicity to better comprehend issues of power, resources, and land in conflict situations; the movement of textiles to recognize post-Fordist social and economic practices; human trafficking to conceptualize commodification of the human body; and refugee migrations to understand transnationalism. In short, this course offers micro-level case studies, methods, and approaches toward learning about and explaining broad social and cultural processes.
Prerequisites: Honors Program
Session Cycle: Every Fall Semester.

SOAN 251. Principles of Sociology. 3 Credit Hours.
In this foundational course, students explore the major aspects of sociology as a discipline, such as classic and contemporary theories, research principles and methods, culture, and socialization. Through real-world examples and activities, students come face-to-face with pressing social issues, including various forms of inequality, and the challenges facing modern social institutions. Students will leave this course with a deeper understanding of, and appreciation for, how humans come together to form the structures and groups that shape day-to-day life.
Session Cycle: Every Semester.

SOAN 253. Honors Sociology. 3 Credit Hours.
This course is a more advanced introduction to sociology, students explore the major aspects of sociology as a discipline, such as classic and contemporary theories, research principles and methods, culture, and socialization. Through real-world examples and activities, students come face-to-face with pressing social issues, including various forms of inequality and the challenges facing modern social institutions. Students will leave this course with a deeper understanding of, and appreciation for, how humans come together to form the structures and groups that shape day-to-day life.
Prerequisites: Honors Program
Session Cycle: Every Spring Semester.

SOAN 301. From Asylums to Zoloft: The Sociology of Mental Health. 3 Credit Hours.
We often think of mental health and illness as personal experiences that affect an individual and require individual resolution (e.g., therapy, medication, etc.). However, there are social dimensions to mental health that warrant exploration as well, such as: How have definitions and treatments of mental illness changed over time and across cultures? How do sociodemographic differences (e.g., gender, race, socioeconomic status) inform how people experience mental healthcare, both historically and in modern times? What effects do recent events and trends, like COVID-19 and social media use, have on people's mental wellbeing? To begin addressing these and other sociological questions, students will review of-the-moment research, engage in critical discussions, and reflect on their own views regarding mental health; participation in this course will culminate with an experiential "deep dive" into a current mental health-related issue.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Varies.

SOAN 302. Global Perspectives on Community Development. 3 Credit Hours.
The Sustainable Development Goals (SDGs) are just one example in a long history of global collaboration aimed to improve the lives of the world's most marginalized communities. This course examines this global development project from an anthropological, people-centered lens. It focuses on three aspects of the project. First, it evaluates the achievements and shortcomings of the project from the perspectives of the everyday people they are intended to serve. Second, it examines how everyday people have challenged and redefined development. And third, it examines models for working in partnership and solidarity with people as they seek to improve their lives.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253 or ECO 367 or by permission
Session Cycle: Every Fall Semester.

SOAN 303. Global Policy Challenges. 3 Credit Hours.
This course explores contemporary global policy issues—such as inequality, migration, public health, and climate justice—through anthropological and sociological lenses, emphasizing how local experiences and cultural contexts shape and are shaped by global forces. For six weeks during the semester, students study case studies, ethnographies, and theoretical frameworks to understand global issues within a specific country. The course culminates in a faculty-led study abroad experience.
Prerequisites: Sophomore Standing
Session Cycle: Every Spring Semester.

SOAN 351. Social Problems Social Solutions. 3 Credit Hours.
An exploration of major contemporary social problems, examining the key explanations for them. These explanations are used to assess the likely success of current and proposed social solutions. Key problems studied include inequalities linked to race, ethnicity, gender, immigration status, education, age, and criminal justice—as well as overpopulation and environmental degradation. U.S. problems and their possible solutions are illuminated with cross national comparisons.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 355. Social Determinants of Health. 3 Credit Hours.
Social Determinants of Health (SDOH) are conditions, forces, and systems that influence health outcomes. Structural determinants include economic and social policies that impact food security and early childhood development; governing processes that influence the funding and support for equitable education and fair housing; legal policies that shape access to medical resources and safe working conditions; and forms of discrimination that unjustly favor some populations over others. In this course, we examine SDOH in different global contexts and draw on the field of medical anthropology to explore policies and approaches to solving public health issues. During the semester, we learn broadly about human behavior and health through drawing on an interdisciplinary source of readings, films, and ethnographies. Students work on both comprehending the sources of health problems and designing solutions that can foster more equitable health outcomes.
Session Cycle: Every Spring Semester.

SOAN 356. Sociology of Family. 3 Credit Hours.
The central goal of this course is to lead students to a deeper understanding of the ways in which American families are changing. Through an examination of the family in sociological and historical perspectives, students gain insight into the mythology of the "traditional American family" and its formation. We discuss the diversity of current family forms and the ways in which the family is tied into the larger structure of society. The course also examines hooking up, partnering, parenting, the division of household labor, and divorce.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Fall Semester.

SOAN 360. Sociology of Sport. 3 Credit Hours.
This course provides an overview of the discipline of sociology of sport. The course focuses on the global aspects of sport, with an emphasis on the relationship between sport and race, class, gender, sexual orientation, and national identity. It provides students with the theories, concepts and perspectives that allow them to better understand the relationships between sport, society and culture.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, or SOAN 253
Session Cycle: Every Spring Semester.

SOAN 370. Crime and Justice. 3 Credit Hours.
This course applies sociological theory and research to the study of crime and justice. Students engage in policy discussions and projects focused on the philosophy and practice of how societies address major issues of crime and justice (e.g., in education, immigration, drug control, and other areas). Students will learn not only about the criminal justice system but also about the role that multiple social institutions - like family, the market, social media, etc. - play in a sociology of crime and justice.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Fall Semester.

SOAN 389. Fieldwork in Local Communities. 3 Credit Hours.
This course introduces students to mixed methods research through a hands-on, fieldwork-centered approach. Students learn to design and carry out projects that integrate qualitative techniques—such as interviews, participant observation, focus groups, and qualitative coding—with quantitative tools including descriptive statistics, regression analysis, and data visualization. The course emphasizes how combining ethnographic insights with numerical data produces more comprehensive understandings of culture, everyday life, and broader social patterns. Particular emphasis is placed on conducting research in collaboration with communities and ensuring that projects are responsive to community perspectives and priorities. By the end of the course, students are equipped with the skills and confidence to conduct research that is both methodologically rigorous and meaningfully engaged with the communities they study.

SOAN 390. Exploring Culture through Photographs, Maps, and Media. 3 Credit Hours.
This course introduces students to visual anthropology, focusing on the use of visual media to study and represent culture, society, and human behavior. Students will explore research methods such as photovoice, auto-photography, photoelicitation, photojournalism, and GIS mapping. Through hands-on assignments and weekly readings, they will learn to document, analyze, and communicate anthropological insights using visual data. The course also addresses the ethical challenges of using visual media in research, with attention to issues of representation, authenticity, and manipulation, including the use of AI-generated images and deepfakes. Students will develop the ability to critically assess visual content and apply visual methods to complex social and cultural problems.
Prerequisites: Sophomore Standing
Session Cycle: Alternate Spring Semesters.

SOAN 401. Health and Wellbeing in Global Perspective. 3 Credit Hours.
What does it mean to be “healthy” in a world shaped by social media, stress, unequal access to care, and global health crises? This course explores health and wellbeing beyond medicine, examining how culture, history, politics, and biology shape wellness, illness, and care. Drawing on anthropology and public health, students investigate how physical health, social connection, meaningful work, caregiving, and spiritual beliefs influence wellbeing across childhood, adulthood, and later life. Through ethnographic research, historical case studies, and public health research, students trace changing approaches to healing—from traditional medical practices to contemporary debates about mental health, chronic illness, and global health interventions—highlighting the ways health and wellbeing matter in everyday life and across societies.
Prerequisites: ANTH242, ANTH243, SOC251, SOC253, SOAN242, SOAN243, SOAN251, or SOAN253 and Sophomore Standing
Session Cycle: Alternate Fall Semesters.

SOAN 451. From the Cradle to the Grave: Society and Population Health. 3 Credit Hours.
What exactly is a "population?" How do we tell how a "population" is faring? What kinds of challenges do modern "populations" face? In this course, we will begin to answer these questions as we investigate human groups, particularly the U.S. population. Using key metrics and concepts from demography to build a foundation for inquiry, this course then explores in depth three factors popularly used to gauge population health: fertility, morbidity, and mortality. Through examining rigorous academic research and real-world journalism, students will confront and consider issues related to childbirth, including the politicization of pregnancy and the challenges of family life; sickness, including modern threats to human health (e.g., the opioid epidemic, COVID-19 pandemic, etc.); and death, including both causes and cultural anxieties about end-of-life and what comes next.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 452. Jobs, Gigs, and Hustles: The Sociology of Work. 3 Credit Hours.
From Uber drivers to TikTok creators, from freelance coders to AI-powered customer service bots-work today looks nothing like it did a generation ago. This course explores how technology, algorithms, and family life are reshaping labor, identity, and inequality. Students will examine the rise of gig work, the impact of artificial intelligence on employment, and the social consequences of working without traditional protections or permanence. In this course we'll ask: What does it mean to "have a job" in the 21st century? Who benefits-and who gets left behind?.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Alternate Spring Semesters.

SOAN 453. Race and Ethnicity. 3 Credit Hours.
This course examines and uses theories to understand the treatment and life chances of racial and ethnic subpopulations, with an emphasis on U.S. society. Students explore the many ways stereotypes, prejudice, racism, and privilege become part of our everyday interaction and reinforce institutional discrimination.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Spring Semester.

SOAN 454. Social Theory: The Study of Isms and Phobias. 3 Credit Hours.
This seminar is first and foremost a study of classical and contemporary social theory. It also examines the ways in which a variety of these theories, both classical and contemporary, view and explain social inequalities. More specifically, we will use theories, theorists, and concepts from theories to help us better understand "isms and phobias" including racism, sexism, classism, heterosexism, homophobia, transphobia, ethnocentrism and xenophobia.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Fall Semester.

SOAN 455. Urban Realities: Exploring the City Through Sociology. 3 Credit Hours.
This course invites students to critically explore the urban landscape through the dual lenses of sociological theory and immersive experience. Blending traditional fieldwork with cutting-edge virtual reality (VR) technology, students will investigate how cities shape — and are shaped by — social forces such as protest, gentrification, street art, and identity. This is a hands-on, course designed for students who want to move beyond the classroom and into the city — both physically and virtually — to understand the complex dynamics of urban life.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 456. The Human Spark: How Innovation and Creativity Shape Society. 3 Credit Hours.
This course takes a sociological perspective on creativity and innovation exploring the sociological context of each. Combining readings and lectures, class activities and a community engaged project, students will learn about the social context of creativity and innovation, and they will also understand more deeply their own creative processes and strengthen these processes.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 491. Sociology and Anthropology Capstone. 3 Credit Hours.
Designed for student majoring in Sociology and Anthropology, this senior-level capstone seminar asks students to explore, either as an individual directed-study or as part of a weekly seminar, some aspect of an important social issue as it relates to the operation of a social institution.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253 and Junior standing
Session Cycle: Every Spring Semester.

SOAN 497. Directed Study in Sociology and Anthropology. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the sociology faculty. The main requirement of the course is the development of a substantial paper or project.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

Accelerated Degree Programs

Accelerated Dual-Degree Bachelor of Science in Business Administration/ Master of Business Administration or Master of Science in Accounting (3+1)

The Accelerated Dual-Degree BSBA/MBA or MSA (3+1) program is designed for outstanding College of Business students. Students enter the program in their first year and learn at an accelerated pace to earn a bachelor's degree in three years and a graduate degree in the fourth year. Students must declare their intention to complete the program by the time they have earned 36 credits. Students are required to maintain a 3.0 GPA. Interested students should confirm eligibility with their assigned advisor. The four-year experience includes experiential learning opportunities such as internships for credit, undergraduate study abroad, and a faculty-led graduate study abroad course.

3+1 Accelerated Fourth Year MBA | Bryant University Accounting Department | Bryant University

4+1 Master of Science in Actuarial Science

Bryant's 4+1 Master of Science in Actuarial Science program is an innovative direct path from undergraduate study for students seeking a competitive career advantage. Complete your undergraduate degree in four years before enrolling in our accelerated Master of Science in Actuarial Science program. The direct admission structure allows you to prepare for professional actuarial designations sooner alongside faculty with industry experience.

Become an expert in calculating and analyzing risk through predictive modeling and data science with the flexibility of online study. Bryant

MSAS students graduate ready to lead in traditional and non-traditional actuarial roles and respond to today's changing industry.

4+1 Accelerated Master of Science in Actuarial Science

3+3 Juris Doctor

Accelerate Your Education

Bryant University's partnership with Villanova University Charles Widger School of Law enables you to fast-track your undergraduate degree and break through traditional law school application barriers. At the completion of the program, students will have a bachelor's degree from Bryant University and a juris doctor (J.D.) degree from Villanova Law. There are two pathway options for you to pursue direct, early-access admission:

1. Bryant-Villanova 3+3 program allows Bryant students to complete their undergraduate requirements in three years at Bryant University before enrolling at Villanova for three years. Credits earned at the successful completion of the first year of law school will transfer back to Bryant to satisfy final graduation requirements.

2. Bryant-Villanova 4+3 program is available for qualifying seniors, who will apply and directly matriculate to Villanova after fulfilling graduation requirements at Bryant.

3+3 Juris Doctor | Bryant University

Interdisciplinary Programs

Bryant University offers Interdisciplinary Programs in the following:

Bachelor of Science in Applied Artificial Intelligence Degree (p. 203)

The Bachelor of Science in Applied Artificial Intelligence provides students with a foundation in artificial intelligence concepts, methods, and tools, followed by applied study within a specific professional context through a selected concentration. The program emphasizes a low-code/no-code approach, integrating technical foundations in data, algorithms, and computational thinking with domain-based applications and the social and ethical considerations associated with AI technologies. Students apply their AI knowledge within their chosen area of focus, such as economics, finance, healthcare, life sciences, or marketing. The curriculum emphasizes analytical reasoning, problem solving, interdisciplinary perspectives, and the responsible use of AI in real-world settings. Graduates are prepared for careers that require applied AI literacy and domain-specific analytical skills, as well as for continued study in related fields.

Bachelor of Science in Health Informatics (p. 124)

Informatics programs teach students to use data-centric approaches to solve problems and involve the application of data in a meaningful way. Informatics is a collaborative activity that involves people, processes, and technologies.

Bachelor of Science with a Major in Health Sciences (p. 122)

The Bachelor of Science with a major in Health Sciences is designed to provide students with a fully integrated and comprehensive curriculum to prepare them for a variety of careers within the health sciences and healthcare sector. The program core, which fuses courses in the sciences, communication, and psychology, will expose students to the multiple facets of health and introduce them to a variety of careers in health care and related professions. Depending on interest and career aspirations, students will then select upper-level courses that are aligned with one of our three tailored tracks (general health sciences, neuroscience and nutrition) and meet requirements for admission to graduate level clinical and non-clinical programs, as well as the employment sector.

Our unique emphasis on interdisciplinary study and the tailored tracks, coupled with expert faculty and the infusion of experiential learning opportunities, gives students the flexibility to explore different facets of health-related professions. This, combined with the core business skills a Bryant education provides, will equip students with a truly unique skill set enabling them to solve problems and be successful in multiple areas of the health industry.

The program coordinator and designated faculty mentors will provide the counseling required for students to select courses and explore career opportunities in this expansive and lucrative sector.

American Studies Concentration

The American Studies Concentration is an interdisciplinary program of study that encourages a deeper understanding of the peoples and cultures of the United States and an appreciation of their place in the changing world. American Studies uses a range of materials, methodologies, and disciplinary perspectives to illuminate topics ranging from politics to popular culture. This is an 18-credit concentration. Students must have a primary concentration in the College of Business or a major in the College of Humanities and Social Sciences or major in the College of Health and Behavioral Sciences.

Applied Analytics Concentration

The Applied Analytics Program at Bryant University is an 18-credit interdisciplinary concentration that provides students with a solid foundation in integrating technology and analytical methods to acquire, analyze and apply information for projects in diverse areas such as literary and historical text analysis, social media and web analytics, bioinformatics and business decision making. Applied Analytics is a second concentration that must be taken concurrently with a required primary major in the College of Humanities and Social Sciences, College of Health and Behavior Sciences or concentration in the College of Business. In this manner, students not only gain exposure to, and skills in, applied analytics but they also acquire a strong foundation in their chosen discipline to provide the context in which applied analytics may be used effectively.

Ethnic Studies Concentration

The Ethnic Studies Concentration is a liberal arts interdisciplinary program, focusing on the study of race, ethnicity, and indigeneity within the broader context of inclusion and diversity. Concentrators study the historical socio-cultural experiences and perspectives of United States ethnically and racially marginalized communities. Designed to increase the understanding of historically underrepresented racial/ethnic social groups, at the intersection of gender and social class, the program aims at preparing students to work and live successfully as good citizens in a diverse and globalized society.

Women, Gender, and Sexuality Studies Concentration

The Women, Gender, and Sexuality Studies Concentration is a liberal art, interdisciplinary program that offers students the opportunity to apply a critical lens to fundamental structures of human interaction and cultural production. Students learn about current scholarship in women's history and culture, gender studies, sexuality studies, and feminist theory. Questions motivating this scholarship include: How have gender and sexuality been used as systems of social control throughout history? How have they served as catalysts for social change? Are gender and sexuality biologically determined or socially constructed? What types of messages do mass media and popular culture give us about gender and sexuality, and how do these messages influence self-identity? Using a range of disciplinary methodologies and perspectives, students develop a deeper understanding of the structures of power that shape gender and sexual identity.

Africana/Black Studies Minor

The Africana/Black Studies minor is an interdisciplinary liberal arts minor that gives students a critical opportunity to examine the intellectual traditions of and cultural contributions made by people of African descent all over the world. Its broad focus on African, African American, Afro-Latino/a, Afro-Brazilian, and Caribbean communities allows students to stretch the boundaries of their worldview and develop skills in effective communication and innovative problem solving across racial and ethnic lines. In addition, by wrestling with weighty and pervasive problems such as racism and the persistent presence of colonialism in the global economy and socio-cultural network, the minor's courses prepare students to be rigorous thinkers as well as responsible, ethical professionals and citizens.

Applied Artificial Intelligence Minor

The Interdisciplinary Minor in Artificial Intelligence is designed to equip students across all disciplines with the foundational knowledge and skills needed to navigate and contribute to the evolving AI landscape. This program empowers students to adapt to shifting job markets, critically evaluate information, and make informed decisions in an increasingly AI-driven world.

Through a balanced curriculum that integrates AI fundamentals, practical applications, and ethical considerations, students will learn to identify opportunities for innovation while addressing the societal and ethical implications of AI. By gaining a strong foundation in AI, students will develop the adaptability, creativity, and responsibility needed to become forward-thinking leaders in a rapidly changing global environment.

Business Administration Minor

The Business Administration Minor is an interdisciplinary business minor that provides students with knowledge of core business principles. With this minor, students will be equipped to meet the complex demands of an interdependent society and culture. Bryant has a long-standing national reputation for educating business professionals and leaders. The Business Administration minor at Bryant includes courses that are designed to help students develop basic business knowledge and skills as well as to provide the foundation to begin a career following graduation, or to continue on to graduate school. An understanding of Business Administration is beneficial to all professional fields including the creative arts, entrepreneurship, management, marketing, nonprofit administration, and human resources, to name a few.

Latin American and Latina/Latino Studies Minor

The Latin American and Latina/Latino Studies Minor engages students in interdisciplinary study of Spanish and Portuguese-speaking nations in the Americas and the Latina/Latino presence in the United States. Each participating student develops an individualized minor within the parameters established under the general requirements by drawing from a set of approved courses in literary and cultural studies, history, and languages. The primary objective of the minor is to foster greater understanding of the peoples and societies of the Western Hemisphere. Such understanding is crucial to participation in ongoing intrahemispheric debates over issues such as immigration from Latin America to the United States, trade policy, and the nature of democracy.

Professional and Creative Writing Minor

Students pursuing a minor in Professional and Creative Writing develop their writing skills in a variety of settings designed to provide a full exploration of genres. Options range from feature writing for magazines and the Web, to newspaper journalism, to creative writing in poetry and fiction.

Women, Gender, and Sexuality Studies Minor

The Women, Gender, and Sexuality Studies Minor is a liberal art, interdisciplinary program that offers students the opportunity to apply a critical lens to fundamental structures of human interaction and cultural production. Students learn about current scholarship in women's history and culture, gender studies, sexuality studies, and feminist theory. Questions motivating this scholarship include: How have gender and sexuality been used as systems of social control throughout history? How have they served as catalysts for social change? Are gender and sexuality biologically determined or socially constructed? What types of messages do mass media and popular culture give us about gender and sexuality, and how do these messages influence self-identity? Using a range of disciplinary methodologies and perspectives, students develop a deeper understanding of the structures of power that shape gender and sexual identity.

Bachelor of Science in Applied Artificial Intelligence (p. 203)

Bachelor of Science with a Major in Health Informatics (p. 124)

Bachelor of Science with a Major in Health Sciences

- **American Studies Concentration (p. 203)**
- **Applied Analytics Concentration (p. 204)**
- **Ethnic Studies Concentration (p. 204)**
- **Women, Gender, and Sexuality Studies Concentration (p. 205)**
- **Africana/Black Studies (p. 205)**
- **Applied Artificial Intelligence (p. 205)**
- **Business Administration (p. 206)**
- **Latin American and Latina/Latino Studies (p. 206)**
- **Professional and Creative Writing (p. 206)**
- **Women, Gender, and Sexuality Studies (p. 206)**

Bachelor of Science in Applied Artificial Intelligence

The Bachelor of Science in Applied Artificial Intelligence provides students with a foundation in artificial intelligence concepts, methods, and tools, followed by applied study within a specific professional context through a selected concentration. The program emphasizes a low-code/no-code approach, integrating technical foundations in data, algorithms, and computational thinking with domain-based applications and the social and ethical considerations associated with AI technologies. Students apply their AI knowledge within their chosen area of focus, such as economics, finance, healthcare, life sciences, or marketing. The curriculum emphasizes analytical reasoning, problem solving, interdisciplinary perspectives, and the responsible use of AI in real-world settings. Graduates are prepared for careers that require applied AI literacy and domain-specific analytical skills, as well as for continued study in related fields.

Bachelor of Science in Applied Artificial Intelligence Degree Requirements:

General Education Requirements

University Minor Requirements

** Minor should be in college that is outside of their chosen Concentration

AI Core Required Courses:		
AI 201	Introduction to Artificial Intelligence	3
or AI 201B	Introduction to Artificial Intelligence for Business	
AI 202	Artificial Intelligence Applications and Ethics	3
AI 301	Data Management and Visual Analytics	3
AI 310	AI Application Development	3
AI 401	Human-Centered AI Strategy and Deployment	3
AI 391	Applied AI Internship	3
or AI 490	Applied Artificial Intelligence Capstone	
Concentration Requirement: Students must choose a concentration from the approved listing below:		
Accounting, Finance, Marketing, Digital Marketing, Healthcare Management & Strategy, Leadership and Talent Management, Team & Project Management [1]		
Actuarial Math, Applied Statistics, Economics, Media and Cultural Studies		
Biology, Health and Wellness, Psychology		
Business Core Requirements if completing Business Concentration:		
ACG 203	Principles of Financial Accounting	3
FIN 201	Financial Management	3
MGT 200	Management Principles and Practice	3
MKT 201	Foundations of Marketing Management	3

A minimum of 120 credit hours required for graduation.

[1] Students who select the Accounting Concentration will be required to complete an additional course, ACG 204.

Bachelor of Science in Applied Artificial Intelligence Concentrations:
College of Business

Students pursuing a business concentration within the B.S. in Applied Artificial Intelligence program must complete the AI program's designated Business Core requirements. The Business Core requirements for the B.S.B.A. program do not apply to students enrolled in the B.S. in Applied Artificial Intelligence program.

- Accounting (p. 35)
- Finance (p. 48)
- Marketing (p. 82)
- Digital Marketing (p. 82)
- Healthcare Management and Strategy (p. 75)
- Leadership and Talent Management (p. 76)
- Team and Project Management (p. 76)

College of Health and Behavioral Sciences

- Biology (p. 118)
- Health and Wellness (p. 120)
- Psychology (p. 132)

College of Humanities and Social Sciences

- Actuarial Mathematics (p. 181)
- Applied Statistics (p. 181)
- Economics (p. 169)
- Media and Cultural Studies (p. 165)

American Studies Concentration

The American Studies Concentration is an interdisciplinary program of study that encourages a deeper understanding of the peoples and cultures of the United States and an appreciation of their place in the changing world. American Studies uses a range of materials, methodologies, and disciplinary perspectives to illuminate topics ranging from politics to popular culture. This is an 18-credit concentration. Students must have a primary concentration in the College of Business or a major in the College of Humanities and Social Sciences or major in the College of Health and Behavioral Sciences. Students completing an American Studies Concentration will demonstrate the ability to:

- Analyze a wide variety of cultural and social artifacts in order to contribute to a richer understanding of the United States.
- Synthesize diverse scholarly approaches and theories in the study of the United States and its place in the world.
- Describe the diversity of “American experiences” both within and outside of the nation’s geographical and political boundaries.
- Demonstrate understanding of the significance of United States culture and politics in other parts of the globe.
- Communicate research findings and interpretations clearly and effectively.

American Studies Concentration Requirements

LCS/HIS 282	Introduction to American Studies	3
HIS (one 300 or 400 level U.S. History course)		3

POLS or ECO (one Americanist Political Science or Economics course)		3
LCS (one Americanist LCS course)		3
Elective (one Americanist elective from LCS, HSS, or ECO Departments)		3
LCS 497	Directed Study in Literary and Cultural Studies [1]	3
or HIS 497	Directed Study in History	

A minimum of 18 credits is required for the concentration.

[1] One Directed Study "Senior Project" conducted with an instructor in the LCS or HIS Department.

Applied Analytics Concentration

The Applied Analytics Program at Bryant University is an 18-credit interdisciplinary concentration that provides students with a solid foundation in integrating technology and analytical methods to acquire, analyze and apply information for projects in diverse areas such as literary and historical text analysis, social media and web analytics, bioinformatics and business decision making. Applied Analytics is a second concentration that must be taken concurrently with a required primary major in the College of Humanities and Social Sciences, College of Health and Behavioral Sciences or concentration in the College of Business. In this manner, students not only gain exposure to, and skills in, applied analytics but they also acquire a strong foundation in their chosen discipline to provide the context in which applied analytics may be used effectively.

Objectives

- Prepare students to critically analyze problems in a variety of disciplines in liberal arts, sciences and business and to identify relevant and useful information to support the attainment of desired outcomes.
- Prepare students to think critically by drawing appropriate conclusions from examining the output of methodological applications of applied analytics.
- Prepare students to conceptualize, apply and integrate effective strategies to acquire, store, analyze and deploy information effectively.
- Prepare students to evaluate data management technologies in the context of data quality, and security and privacy regulations to determine their potential impact on information resources.
- Prepare students to build advanced analytical models for relevant application.

Applied Analytics Concentration Requirements

Required Courses:

AA 205	Introduction to Applied Analytics	3
AA 304	Managing Information for Applied Analytics	3
AA 306	Data Mining for Effective Decision Making	3
AA 490	Applied Analytics Capstone	3
Student must take 2 elective courses from an approved list in the students' primary area of concentration [1]		6

A minimum of 18 credits is required for the concentration.

[1] No more than one course at the 200 level.

Ethnic Studies Concentration

The Ethnic Studies Concentration is a liberal arts interdisciplinary program, focusing on the study of race, ethnicity, and indigeneity within the broader context of inclusion and diversity. Concentrators study the historical socio-cultural experiences and perspectives of United States ethnically and racially marginalized communities. Designed to increase the understanding of historically underrepresented racial/ethnic social groups, at the intersection of gender and social class, the program aims at preparing students to work and live successfully as good citizens in a diverse and globalized society.

Students completing the Ethnic Studies concentration will,

- Apply Ethnic Studies principles and theories to personal, organizational, and community settings.
- Demonstrate ability to interact meaningfully and build effective relationships with individuals and groups across differences, through community projects.
- Demonstrate ability to engage the ways that race, as a system of domination, is intimately tied to issues of gender, class, sexuality, migration, or indigeneity.
- Conduct logical arguments utilizing evidence and texts, both in writing and verbally
- Use critical and creative thinking to solve problems.
- Demonstrate ability to use appropriate language and behavior while interacting across differences, in writing and verbally.
- Understand and explain how structures of domination and acts of resistance are created.

Ethnic Studies Concentration Requirements

Choose One Introductory Course from the following:

LCS/WGS 250	Women, Gender, and Sexuality Studies	3
LCS 270	Introduction to Cultural Studies	3
LCS/HIS 282	Introduction to American Studies	3

Electives: Students choose 5 courses from the list below, one of which must be at the 400 level

HIS 366	Race in America	3
LCS 357	Studies in Ethnic Literature of the United States	3
LCS 378	African American Studies	3
LCS 379	Asian American Studies	3
LCS 380	Latin American Studies	3
LCS 381	Native American Studies	3
LCS 466	Women and the Creative Imagination	3
SOAN 453	Race and Ethnicity	3
SOAN 454	Social Theory: The Study of Isms and Phobias	3

Note: SOC 251 prerequisite will be waived on a case-by-case basis

A minimum of 18 credit hours is required for the concentration.

Women, Gender and Sexual Studies Concentration

Women, Gender, and Sexuality Studies Advisory Board

• Thomas Roach, Program Coordinator, Professor, History, Literature, and the Arts,

• Kelly Boutin, Director of Student Case Management & Co-Director

• Jeffrey Cabusao, Professor, History, Literature, and the Arts

• Amber Day, Professor, History, Literature, and the Arts

• Mailee Kue, Associate Vice President of Community & Belonging

• Heather Pond Lacey, Professor, Psychology

The Women, Gender, and Sexuality Studies Concentration is a liberal arts, interdisciplinary program that offers students the opportunity to apply a critical lens to fundamental structures of human interaction and cultural production. Students learn about current scholarship in women's history and culture, gender studies, sexuality studies, and feminist theory. Questions motivating this scholarship include: How have gender and sexuality been used as systems of social control throughout history? How have they served as catalysts for social change? Are gender and sexuality biologically determined or socially constructed? What types of messages do mass media and popular culture give us about gender and sexuality, and how do these messages influence self-identity? Using a range of disciplinary methodologies and perspectives, students develop a deeper understanding of the structures of power that shape gender and sexual identity. Students concentrating in WGSS should be able to:

Learning Objectives:

- Demonstrate an understanding of interdisciplinary analyses of women, gender, and sexuality and communicate findings and interpretations clearly and effectively.
- Demonstrate an understanding of intersectionality: how various social systems, such as gender, race, class, and sexual orientation, operate in conjunction with each other.
- Explain various conceptions of gender and sexuality and indicate how these conceptions might reinforce or disrupt social structures.

Women, Gender, and Sexuality Studies Concentration Requirements:

Required Courses		
WGS/LCS 250	Women, Gender, and Sexuality Studies	3
WGS 490	Women, Gender, and Sexuality Studies Seminar (capstone course)	3
Electives		
Select four of the following: [1]		
HIS 263	American Women's History	3
HIS 361	Gender and World War II	3
HIS 368	Gender and American Culture in the 1950s	3
LCS 378	African American Studies ((When offered as Black Feminist Foundations & Futures)	3
LCS 383	Sexuality and Culture	3
LCS 464	Major Literary Figures	3
LCS 466	Women and the Creative Imagination	3
LCS/WGS 471	Sex, Love and Social Media	3
LGLS 413	Gender and the Law	3
PSY 471	Gender in Childhood	3
SOAN 356	Sociology of Family	3
SOAN 360	Sociology of Sport	3
WGS 491	Women, Gender, and Sexuality Studies Internship	3

A minimum of 18 credit hours is required for the concentration.

[1] Only one at the 200 level.

Interdisciplinary Minors

- Africana/Black Studies Minor (p. 205)
- Applied Artificial Intelligence Minor (p. 205)
- Business Administration Minor (p. 206)
- Latin American and Latina/Latino Studies Minor (p. 206)
- Professional and Creative Writing Minor (p. 206)
- Women, Gender, and Sexuality Studies Minor (p. 206)

Africana/Black Studies Minor

The Africana/Black Studies minor is an interdisciplinary liberal arts minor that gives students a critical opportunity to examine the intellectual traditions of and cultural contributions made by people of African descent all over the world. Its broad focus on African, African American, Afro-Latino/a, Afro-Brazilian, and Caribbean communities allows students to stretch the boundaries of their worldview and develop skills in effective communication and innovative problem solving across racial and ethnic lines. In addition, by wrestling with weighty and pervasive problems such as racism and the persistent presence of colonialism in the global economy and socio-cultural network, the minor's courses prepare students to be rigorous thinkers as well as responsible, ethical professionals and citizens.

Africana/Black Studies Minor Requirements

12 hours of Africana/Black Studies coursework, Including no more than one 200-level course [1]		
SOAN 453	Race and Ethnicity	3

[1] No more than two Africana/Black Studies courses in any one discipline.

Applied Artificial Intelligence Minor

The Interdisciplinary Minor in Artificial Intelligence is designed to equip students across all disciplines with the foundational knowledge and skills needed to navigate and contribute to the evolving AI landscape. This program empowers students to adapt to shifting job markets, critically evaluate information, and make informed decisions in an increasingly AI-driven world.

Through a balanced curriculum that integrates AI fundamentals, practical applications, and ethical considerations, students will learn to identify opportunities for innovation while addressing the societal and ethical implications of AI. By gaining a strong foundation in AI, students will

develop the adaptability, creativity, and responsibility needed to become forward-thinking leaders in a rapidly changing global environment.

Applied Artificial Intelligence Minor Requirements:

Required Courses:		
AI 201	Introduction to Artificial Intelligence	3
AI 202	Artificial Intelligence Applications and Ethics	3
Elective Requirement:		
Students must pick two approved Applied AI minor course electives .		6

*****This minor cannot be the primary minor.***

A minimum of 12 credits is required for the minor.

Business Administration Minor

The Business Administration Minor is an interdisciplinary business minor that provides students with knowledge of core business principles. With this minor, students will be equipped to meet the complex demands of an interdependent society and culture. Bryant has a long-standing national reputation for educating business professionals and leaders. The Business Administration minor at Bryant includes courses that are designed to help students develop basic business knowledge and skills as well as to provide the foundation to begin a career following graduation, or to continue on to graduate school. An understanding of Business Administration is beneficial to all professional fields including the creative arts, entrepreneurship, management, marketing, nonprofit administration, and human resources, to name a few.

Business Administration Minor Requirements:

ACG 203	Principles of Financial Accounting	3
FIN 201	Financial Management	3
ISA 201	Introduction to Information Technology and Analytics	3
MGT 200	Management Principles and Practice	3
MKT 201	Foundations of Marketing Management	3

A minimum of 15 credits is required for the minor.

Latin American and Latina/Latino Studies Minor

The Latin American and Latina/Latino Studies Minor engages students in interdisciplinary study of Spanish and Portuguese-speaking nations in the Americas and the Latina/Latino presence in the United States. Each participating student develops an individualized minor within the parameters established under the general requirements by drawing from a set of approved courses in literary and cultural studies, history, and languages. The primary objective of the minor is to foster greater understanding of the peoples and societies of the Western Hemisphere. Such understanding is crucial to participation in ongoing intrahemispheric debates over issues such as immigration from Latin America to the United States, trade policy, and the nature of democracy.

Latin American and Latina/Latino Studies Minor Requirements

Required Courses	
One 400-level course	3
No more than one course at the 200-level	3
One LCS course in Latin American and/or Latina/Latino literature, film, or culture	3
One HIS course in Latin American and/or Latina/Latino history	3

Spanish language option: Students may count up to two approved ML-SP courses in advanced (300 or 400 level) Spanish.

A minimum of 12 credit hours is required for the minor.

Professional and Creative Writing Minor

Professional and Creative Writing Minor

Students pursuing a minor in Professional and Creative Writing develop their writing skills in a variety of settings designed to provide a full exploration of genres. Options range from feature writing for magazines and the Web, to newspaper journalism, to creative writing in poetry and fiction.

Professional and Creative Writing Minor Requirements

Select four of the following: [1,2]

COM 352	Strategic Content Planning and Creation	3
COM 353	Writing for Digital Media	3
LCS 225	Professional Writing	3
LCS 370	Poetry Writing Workshop	3
LCS 371	Fiction Writing Workshop	3
LCS 372	Creative Writing Workshop	3
LCS 470	Advanced Poetry Writing	3
LCS 491	Creativity and Research Portfolio Workshop	3
LCS ST302	Creative Writing Creative Field Trips	3

A minimum of 12 credit hours is required for the minor.

1 Four courses, at least one offered by the Department of Communication and Language Studies, and at least one in creative writing offered by the Department of History, Literature and the Arts.
2 At least one course at the 400 level.

Women, Gender and Sexuality Studies Minor

Women, Gender, and Sexuality Studies Advisory Board

- Thomas Roach, Program Coordinator, Professor, History, Literature, and the Arts,
- Jeffrey Cabusao, Professor, History, Literature, and the Arts
- Amber Day, Professor, History, Literature, and the Arts

- Holly Dygert, Lecturer of Politics, Law, and Society
- Danielle Macon, Lecturer in History, Literature and the Arts
- Kathleen Daly, Lecturer in History, Literature and the Arts
- Melanie Maimon, Assistant Professor of Psychology

The Women, Gender, and Sexuality Studies Minor is a liberal arts, interdisciplinary program that offers students the opportunity to apply a critical lens to fundamental structures of human interaction and cultural production. Students learn about current scholarship in women's history and culture, gender studies, sexuality studies, and feminist theory. Questions motivating this scholarship include: How have gender and sexuality been used as systems of social control throughout history? How have they served as catalysts for social change? Are gender and sexuality biologically determined or socially constructed? What types of messages do mass media and popular culture give us about gender and sexuality, and how do these messages influence self-identity? Using a range of disciplinary methodologies and perspectives, students develop a deeper understanding of the structures of power that shape gender and sexual identity. Students minoring in WGSS should be able to:

Learning Objectives

- Demonstrate an understanding of interdisciplinary analyses of women, gender, and sexuality and communicate findings and interpretations clearly and effectively.
- Demonstrate an understanding of intersectionality: how various social systems, such as gender, race, class, and sexual orientation, operate in conjunction with each other.
- Explain various conceptions of gender and sexuality and indicate how these conceptions might reinforce or disrupt social structures.

Women, Gender, and Sexuality Studies Minor Requirements

Required Courses		
WGS/LCS 250	Women, Gender, and Sexuality Studies	3
Electives		
Three Women, Gender, and Sexuality Studies courses from the various modes of thought [1,2]		9

A minimum of 12 credit hours is required for the minor.

[1] Only one course can be at the 200 level.
[2] At least one course at the 400 level.

Women, Gender, and Sexuality Studies Courses

HIS 263	American Women's History
HIS 361	Gender and World War II
HIS 368	Gender and American Culture in the 1950s
LCS 378	African American Studies (When offered as Black Feminist Foundations & Futures)
LCS 383	Sexuality and Culture
LCS 464	Major Literary Figures
LCS 466	Women and the Creative Imagination
LCS/WGS 471	Sex, Love and Social Media
LGLS 413	Gender and the Law
PSY 471	Gender in Childhood
SOAN 356	Sociology of Family
SOAN 360	Sociology of Sport
WGS 490	Women, Gender, and Sexuality Studies Seminar
WGS 491	Women, Gender, and Sexuality Studies Internship

Minors

In order to have an academic experience that allows students to develop deep content knowledge in a discipline as well as a diverse knowledge base across disciplines, Bryant undergraduates are required to complete substantive course work in one of the university's colleges that is different from the college in which they are completing their primary degree program.

As a result, the following general requirements are in place; refer to degree program requirements for specific guidelines:

- Students pursuing a degree in the College of Business must complete a minor, concentration, or second major in the College of Humanities and Social Sciences, or in the College of Health and Behavioral Sciences. * The Healthcare Management and Strategy Concentration is required to fulfill the business core and minor in the College of Health and Behavioral Science in either Biology, Biotechnology, Health & Wellness, or Nutrition.
- Students pursuing a major in the College of Humanities and Social Sciences must complete a minor or concentration in the College of Business.
- Students pursuing a major in the College of Health and Behavioral Science must complete a minor or concentration in the College of Business.
- The Applied Artificial Intelligence Minor cannot be a primary minor.

College of Business Minors

- Accounting (p. 33)
- Business Administration (p. 206)
- Entrepreneurship (p. 42)
- Finance (p. 49)
- Global Supply Chain Management (p. 52)
- Healthcare Management and Strategy (p. 77)
- Information Systems (p. 54)
- International Business (p. 68)
- Leadership and Talent Management (p. 77)
- Marketing (p. 83)
- Marketing Analytics (p. 83)
- Sales (p. 83)
- Team and Project Management (p. 77)

College of Health and Behavioral Sciences Minors

- Biology (p. 119)
- Biotechnology (p. 119)
- Chemistry (p. 119)
- Environmental Science (p. 119)
- Forensic Science (p. 120)
- Health and Wellness (p. 120)
- Nutrition (p. 121)

- Psychology (p. 132)
- Strength and Conditioning (p. 121)
- Sustainability and Climate Action (p. 122)

College of Humanities and Social Sciences Minors

- Africana/Black Studies (p. 205)
- Applied Statistics (p. 181)
- Arts and Creative Industries (p. 161)
- Communication (p. 143)
- Economics (p. 169)
- Global Studies (p. 196)
- History (p. 163)
- Language Studies: French, Italian, Spanish (p. 145)
- Legal Studies (p. 196)
- Literary and Cultural Studies (p. 166)
- Literature (p. 166)
- Mathematics (p. 182)
- Media and Cultural Studies (p. 166)
- Political Science (p. 196)
- Professional and Creative Writing (p. 206)
- Sociology and Anthropology (p. 197)
- Women, Gender, and Sexuality Studies (p. 206)

Interdisciplinary Minors

- Africana/Black Studies (p. 205)
- Applied Artificial Intelligence (p. 205)
- Business Administration (p. 206)
- Global Studies (p. 196)
- Latin American and Latina/Latino Studies (p. 206)
- Professional and Creative Writing (p. 206)
- Women, Gender, and Sexuality Studies (p. 206)

Financial Aid and Scholarships

At Bryant University, the Office of Financial Aid administers a wide variety of programs designed to assist students in meeting the cost of their education. Academic scholarships and need-based grants, as well as education loans and part-time student employment, are among the many programs administered by the Office of Financial Aid in its ongoing effort to serve Bryant's students and their families. The total volume of all financial aid programs, including education loans and benefits, at Bryant University exceeds $170 million.

All Bryant students are strongly encouraged to file a Free Application for Federal Student Aid (FAFSA) annually with the U.S. Department of Education, through www.studentaid.gov, regardless of their family's financial circumstances. This enables students to gain valuable and current information pertaining to eligibility for grants, loans, and work-study funds.

Introductory Note

Financial assistance is available to college students in three forms. The first is the grant or scholarship, which typically does not require repayment. The second is the education loan, which the student and/or parent is required to repay over time. Manageable repayment periods and low interest rates generally characterize these programs. The third type of financial assistance is part-time employment. In this type of program, students are paid hourly wages for working up to 20 hours per week during the school year.

Financial Aid Programs

Institutional aid, grants, and scholarships are available primarily to full-time undergraduate students at Bryant University. An undergraduate student enrolled in at least 12 credits per semester is considered full time. Although students enrolled less than full time may receive federal student aid, Bryant University funds will be awarded only to full-time students. All institutionally funded academic scholarships and need-based grants, as well as gifted and endowed scholarships funded by individual contributors, provide only tuition assistance. These funds are awarded for a maximum of eight semesters, not including summer and/or winter sessions.

First-Time Freshman Academic Scholarships

Bryant University offers a range of scholarship opportunities to outstanding applicants. Scholarship recipients are selected based on a variety of considerations including high school grade point average, SAT performance (if submitted), high school class rank, student leadership and participation, etc. Scholarships are renewable for up to four consecutive years of full-time undergraduate study at Bryant University, based on academic performance requirements specified in the scholarship letter to the student from the Office of Admission. Academic scholarships are awarded at the time of admission. These awards do not change from year-to-year.

Academic Scholarships for Transfer Students

All students applying for admission to Bryant as transfer students will be reviewed for eligibility for a limited number of academic scholarships. These scholarships are renewable, provided the recipient maintains appropriate academic standing. Renewal is limited by the number of credits transferred into the University and the number of full-time semesters required to complete the degree.

Special Programs

Athletic Grants-in-Aid

Bryant offers a number of Athletic Grants-in-Aid through its men's and women's varsity programs. For further information, contact the Department of Athletics at (401) 232-6070.

Family Discount

When two or more siblings from the same family are simultaneously enrolled as full-time traditional undergraduates, the second student receives a tuition discount of 10 percent from the University, provided that both continue to be enrolled as full-time undergraduates. Students must contact the Office of Financial Aid to apply.

Smithfield Scholarship

One full-tuition scholarship is awarded per year to the top-ranked (using weighted rank) Smithfield High School graduate who is in the top 10 percent of his/her class and has been admitted to Bryant. This scholarship is renewable for four consecutive years of full-time study if the student maintains the designated GPA.

Need-Based Grants

Institutional Grant

Grants vary in amount depending on need and are a function of the information reported on the Free Application for Federal Student Aid (FAFSA) **in any given year**. These grants are considered a supplement to other sources of aid.

Federal Aid Programs

Federal Pell Grant

The Federal Pell Grant is available to eligible students wherever they attend college. An individual's award is based on a formula which takes into account the cost of attendance as well as the Student Aid Index (SAI) and enrollment status. (Full-, three-quarter-, half- and less-than-half time.) Some restrictions apply for students who already hold a bachelor's degree. After filing a Free Application for Federal Student Aid (FAFSA), all applicants for Federal Pell Grants will receive confirmation e-mail message from the U.S. Department of Education containing the Student Aid Index (SAI).

Federal Supplemental Education Opportunity Grant (FSEOG)

These grants, designed to assist undergraduate students with proven need, are awarded with a mandatory preference for Federal Pell Grant recipients. These grants, which may range from $100 to $4,000 per year, may also be limited by program funds available to the University.

Federal Work-Study

Part-time employment opportunities are made available to students who demonstrate eligibility for federal student assistance. Hourly compensation will not be less than the current minimum wage. Wage rates are generally reflective of experience and skill level required to perform a particular task. Federal Work-Study is the only award that is not credited directly to the student's account. Students are paid by the hour on a biweekly basis. Limited funds may be available for summer Work-Study positions. The jobs may be on or off-campus depending on the availability of funds. Awards are made on the same basis as academic year awards, and a percentage of the summer earnings must be saved for the coming year's educational expenses.

Federal Direct Loan

The William D. Ford Federal Direct Subsidized Loan is a low interest loan subsidized by the federal government, which pays the accumulated interest while the student is in school. Borrowers begin repayment of both the principal and interest six months after graduation, withdrawal from school or dropping to less than half-time enrollment status. Students who are not eligible for need-based aid can borrow unsubsidized Federal Direct Loans. The student is responsible for paying all the interest on the unsubsidized loan, which accrues during enrollment and continues through repayment. The combined annual Federal Direct Loan limits (both subsidized and unsubsidized, combined) are as follows: $5,500 for the first year of undergraduate study, $6,500 for the sophomore year, and $7,500 annually for subsequent undergraduate study. Most full-time undergraduates will qualify for an additional $2,000 in the unsubsidized form of the Direct Loan. The total undergraduate subsidized loan limit is $23,000. Independent students can qualify for higher annual Federal Direct Loan amounts. Students must complete a Master Promissory Note and entrance counseling via the Web site: studentaid.gov to receive this funding.

Federal Direct Parent Plus Loans

The Federal Parent Plus Program allows the parents of an undergraduate *under the age of 24* to borrow up to the cost of education per year minus any financial aid. This loan is like a personal loan in that repayment begins 60 days after receipt of the loan and is repayable at a fixed rate of 8.94 percent. An up-front fee of 4.228 percent is assessed on all Direct Plus Loans. For further information about the loan, contact the Office of Financial Aid. New Borrowers of the Federal Parent Plus are limited to $20,000 annually and $65,000 in total. These new rules take effect in the fall of 2026.

Other Programs

Army ROTC Program

Army Reserve Officers' Training Corps scholarships are available on a competitive basis to qualified Bryant students. Each scholarship recipient receives the full value of tuition and fees per year plus an annual book allowance, academic fees, and a monthly stipend from the ROTC command. Scholarships are available for two, three, and four-year terms. In return, scholarship recipients enter into a contractual arrangement with the United States Army, agreeing to accept an Army commission as a Second Lieutenant.

The government-funded ROTC scholarship will cover the direct cost of tuition and fees assessed by the University in both the fall and spring terms. For ROTC scholarship recipients who also reside on campus, Bryant provides institutional grant funds that cover the direct costs of room and board assessed by the University during the fall and/or spring semesters. **Bryant funds cannot be awarded retroactively.** For information regarding the amount and conditions of this supplemental fund, contact the Office of Financial Aid at (401) 232-6020.

Army ROTC Tuition Assistance

Any qualified student who enters the Army ROTC Advanced Course and agrees to accept an Army commission as a Second Lieutenant receives a tax-free stipend for each school month during the Advanced Course. This stipend is given to all ROTC Advanced Course students and is not related to the Army ROTC Scholarship Program.

National Guard Tuition Assistance

Members of the National Guard may qualify for state-sponsored tuition assistance programs. They also may qualify for Army ROTC tuition assistance benefits under provisions of the Army ROTC Simultaneous Memberships Program. Students interested in this program should contact their State Adjutant General's Office or the Bryant University ROTC Office.

Private Programs

Many private philanthropic organizations, foundations, and corporations provide scholarships, grants, loans, and employment opportunities to college students. Local sponsors of such programs include service organizations such as Rotary, Kiwanis, Lions Club, the American Legion, and parent-teacher groups. These sources can represent significant resources to the student. **Federal aid applicants are obligated to report the receipt of all such awards to the Office of Financial Aid at Bryant**.

State Scholarship and Grant Programs

A very limited number of states also offer financial assistance to students. These state programs are generally in the form of grants, and eligibility requirements vary widely among the states. Specific programs and application information on individual state programs may be obtained from the state agencies themselves.

Veterans Administration Educational Benefits

There are many Veterans Administration programs available to eligible veterans and/or their dependents. Students should contact their local Veterans Administration Office Coordinator if they believe they may be eligible for assistance in any of the following categories:

1. Children, spouses, widows, or widowers of veterans who died or were permanently/totally disabled in - or as a result of - service in the armed forces of the United States.
2. Children of servicemen or servicewomen, missing in action, or prisoners of war for more than 90 days.
3. Qualified veterans who were on continuous active duty for at least 181 days ending after January 1, 1965, or people currently on active duty.

***Veterans or designated dependents who are 100 percent eligible for Chapter 33 post-9/11 benefits may qualify to participate in the Bryant University Yellow Ribbon Program**.

Note: Once approved, a copy of the student's Certificate of Eligibility must be received in order to properly determine the level of funding. The student's enrollment will not be verified with the VA until this document is received by the University's Veteran's Benefits Coordinator in the Registrar's Office.

Vocational Rehabilitation

A vocational rehabilitation program operates in every state to help disabled people return to productive activity. In certain cases, the vocational rehabilitation agency will help a disabled student pay for college expenses. If a student receives payment from Vocational Rehabilitation, Manpower Development, or from similar assistance programs, the full value of such payments must be recognized as a resource in the financial aid process.

Application Process

Forms Required

Students interested in being considered for financial aid should submit the Free Application for Federal Student Aid (FAFSA).

Free Application for Federal Student Aid (FAFSA)

All students are encouraged to complete a Free Application for Federal Student Aid (FAFSA) online at Home | Federal Student Aid well before the applicable deadline. All are required to file a new FAFSA each and every year. Although ALL students are strongly encouraged to file their online FAFSA as soon as it becomes available on October 1, 2025, do not attempt to file a 2026-2027 FAFSA prior to that date.

Financial Aid Application Deadlines

February 15, 2026	freshmen
March 1, 2026	continuing students
April 1, 2026	transfer students

Applications for financial assistance received after the established date will be considered only after all on-time applications have been processed.

Transfer Students

Transfer students for the fall term should submit the FAFSA or Renewal FAFSA by the January 1 deadline. Transfer students should note that financial aid awards do not automatically transfer between institutions. January term transfer applicants will not be considered for an award until all required forms are received.

Part-Time Students

Undergraduate students enrolled in two courses (six credits) per semester are designated half time. They must maintain the same minimum GPA as full-time students in order to be eligible for continued financial assistance. Qualified students in this category can receive Federal Pell Grants, Federal Supplemental Educational Opportunity Grants, Federal Work-Study and/or Federal Direct Loans.

Continuing Students – Apply Every Year

Renewal of financial aid is not automatic. Recipients are required to reapply each year by the stated deadlines. The FAFSA is required each year.

Financial Aid Timelines

Although financial aid applications are not reviewed until the applicant is admitted to the University, students should not wait until being admitted to apply for financial aid. If the student is considering applying for admission to Bryant University but has not yet applied, a financial aid application still must be submitted by the appropriate deadline. Financial aid applications received after the established deadlines will be placed on a waiting list and will be reviewed for university grant program eligibility only if funds remain after all on-time requests have been evaluated.

Financial aid awards will be based, in part, upon the information contained on the FAFSA. A verification worksheet, tax transcripts, and/or other documents may be required. The Office of Financial Aid will maintain complete confidentiality of all information. Since anyone's resources are subject to change, the Director of Financial Aid may review, and revise awards based on changes in family circumstances. Discrepancies between information on the forms and income tax returns may necessitate such an adjustment.

Financial Aid Calendar*

Oct. 1, 2025	First date FAFSA may be submitted to the Department of Education for the 2026-2027 School Year.. See www.studentaid.gov.
Nov. 1, 2025	Deadline to file FAFSA for students seeking January 2026 entrance.
Feb. 15, 2026	Deadline to file FAFSA for students seeking September 2026 entrance.

March 2026	Notification to incoming freshmen and transfer students for September 2026 entrance.
March 1, 2026	Deadline for returning students to file FAFSA to be considered for aid in 2026-2027.
April 1, 2026	Deadline for transfer students to file FAFSA to be considered for aid in 2026-2027.
May 1, 2026	Deadline for completing verification (if required) and for submitting all additional information or documents required by the Financial Aid Office for processing financial aid for September 2026 entrance.
June 2026	First mailing of financial aid notifications to continuing students for the 2026-2027 academic year.

* Dates are subject to change. Contact the Office of Financial Aid for further information.

Eligibility for Need-Based Financial Aid

Bryant University subscribes to federal and institutional guidelines regarding financial need. Students and parents have the primary responsibility to provide for a college education. Financial aid is granted to those whose family resources are less than the expenses of a college education. Most financial assistance administered by the Office of Financial Aid is based in part on the individual student's financial need. Financial need is the difference between the cost of attendance and the calculated Student Aid Index (SAI).

Every year Bryant University receives more financial aid requests than can be fulfilled. Many applicants will request help, but regrettably some will not receive aid due to institutional funding limitations.

To be considered for need-based financial aid each year at Bryant a student must:

1. Have filed the Free Application for Federal Student Aid (FAFSA);
2. Be a citizen or permanent resident of the United States;
3. Be enrolled full time or be accepted for full-time enrollment in a course of study; or be enrolled part time and officially accepted as a candidate in a degree program;
4. Be making satisfactory progress toward the completion of his or her course of study;
5. Not be in default on a Federal Perkins, Stafford, or Direct Loan;
6. Not owe a refund on a Federal Pell Grant or Federal Supplemental Opportunity Grant.

- Note: If an application is selected for verification by the U.S. Department of Education or by the University, the student will also be required to submit additional application materials as well as signed copies of the parent and student 2024 federal income tax transcripts.

Independent Students

According to federal regulations, students must generally meet one of the following requirements to be considered self-supporting and independent for the academic year. Students may also be asked to submit supporting documentation to verify their status. Students must be:

1. 24 years old as of December 31 of the award year;
2. An orphan or ward of the court;
3. A veteran of the Armed Forces of the United States;
4. A graduate student or professional student;
5. Married; or
6. Have legal dependents other than a spouse.

Although there are additional criteria, students who do not meet one of the above requirements are generally considered dependent and must file all financial aid forms accordingly.

Special Circumstances

Students confronting extenuating financial circumstances not necessarily depicted on the FAFSA are encouraged to submit formal documentation describing their situation in greater detail directly to the Office of Financial Aid. This will ensure that proper consideration is given at the point the student's aid application is reviewed.

Financial Aid Packaging

Bryant University reviews on-time financial aid applications on an individual basis, making every effort to accommodate each student's financial circumstances within student eligibility and program funding limits. Aid packages might include Federal Pell Grants, Federal Supplemental Educational Opportunity Grants, State Grants, Institutional Grants and/or Scholarships, Federal Work-Study, and/or Federal Direct Loans.

Law requires students who receive outside sources of aid (i.e., private or state scholarships and grants) to notify the Office of Financial Aid. In some cases, the amount of this outside aid could affect the award offered by Bryant. Generally, students may not receive aid in excess of his or her determined need for assistance. Although Bryant recognizes the needs of all applicants, it is not often possible to award aid to meet full need. Consequently, families may need to seek additional assistance in the form of alternative education loans or other private sources.

Maintaining Eligibility – Satisfactory Academic Progress

Generally, full-time students complete their undergraduate degree requirements in four years (eight semesters). A student may take as many as 10 semesters and still qualify for federal student aid, although after eight semesters the student will no longer be considered for institutional aid. Half-time students (six credits) will have 20 semesters to complete the degree and still remain eligible for federal aid.

To remain in good standing and eligible for financial aid, full-time undergraduate students must at least meet the following minimum standards:

Maintaining Aid Eligibility Satisfactory Academic Progress (SAP)

Year	After...	#of Credits Earned	Cumulative GPA
Year 1	Semester 1	12	1.75
	Semester 2	24	1.75
Year 2	Semester 3	36	2.00
	Semester 4	48	2.00

Year 3	Semester 5	60	2.00
	Semester 6	72	2.00
Year 4	Semester 7	84	2.00
	Semester 8	96	2.00

A complete statement of the University's policy on satisfactory progress with regard to financial aid eligibility, including the appeal process, can be obtained from the Office of Financial Aid. (Part-time students must meet the same criteria relative to the number of credits they have attempted.)

Important Note

Often students or their parents assume they are not eligible for financial aid and, consequently, decide not to apply. Since rules, regulations, and eligibility requirements change from year to year, all students should at least apply. The time involved in completing the forms could pay a surprising dividend. Additionally, the student's eligibility status could change during his or her years in attendance. It is important to file a new application each year, regardless of the determination made in past years. A college education normally requires a financial partnership between the student and their parents that should be discussed thoroughly.

Although the Office of Financial Aid makes every effort to assist students with demonstrated financial need, there is never a guarantee that this will be accomplished. The ever-increasing cost of education inevitably results, each year, in a greater number of students in need of financial assistance. Given current funding levels of all student aid programs, available resources very seldom meet 100 percent of a student's eligibility or need for assistance.

Moreover, students whose applications are submitted late must expect delays in aid awards and the possibility that funds may already be depleted.

Offers of federal aid are made on the assumption that the programs will be continued, and that Congress will appropriate sufficient funds. If, for any reason, one or both of these conditions are not met, it will be necessary to withdraw or alter the aid offer. The submission of an application for financial aid does not guarantee the offer of an award or that the offer, if made, will not be canceled or altered.

The Office of Financial Aid reserves the right to reduce, increase, or otherwise adjust any financial aid for which it is responsible. **For further information regarding any of the above financial assistance programs, contact**:

Office of Financial Aid
Bryant University 1150 Douglas Pike
Smithfield, RI 02917-1285
401) 232-6020 or (800) 248-4036
fax: (401) 232-6293
email: finaid@bryant.edu

Tuition, Fees, and Billing

A college education is one of the most important investments students and their parents will make – an investment that may affect the direction and quality of the student's life. Students choose Bryant University because of its excellent reputation and history of successful graduates. Students should select a Bryant education based on academic considerations and not on financial factors, yet many parents and students face challenges in meeting the costs of higher education today. Bryant University is committed to providing excellent value for the educational investment. The following section outlines the tuition and fee structure for the 2026-2027 academic year. These fees are subject to change by the University.

Full-Time Study for Traditional Students

Undergraduate students admitted to a full-time study program will enroll from 12 to 20 credits per regular term with 15 credits being the norm and are required to pay the full-time tuition fee for that term. Students carrying more than 20 credits pay the full-time tuition fee plus a surcharge fee equal to one-twelfth of the full-time regular term tuition fee per credit for each credit over 20.

Part-Time Study for Traditional Students

Traditional undergraduate students who enroll for fewer than 12 credits in a regular term pay a pro rata fee equal to one-twelfth of the full-time term tuition fee per credit.

Status	Eligible for Housing	Financial Aid Status	Eligible for laptop	Tuition Fee
Traditional Status Full-time	Yes	Federal Eligibility determined when FAFSA completed/ Institutional Aid by Financial Aid	Yes	Traditional Semester fee up to 20 credits
Traditional Status Part-time	No	Not eligible for institutional aid/may be eligible for partial federal aid	No	Not eligible for institutional aid/may be eligible for partial federal aid
Non-traditional Status	No	Not eligible for institutional aid/may be eligible for partial federal aid	No	Not eligible for institutional aid/may be eligible for partial federal aid

Part-Time Study for Nontraditional Students

To study part-time, students must apply to the Admission Office as nontraditional students. Nontraditional students are described as those students whose primary focus is on work and/or family and who pursue their education on a part-time basis. Nontraditional students enroll in fewer than 12 credit hours of study during each regular term and will be charged $4,020.00 per three credit course. To register for more than three courses, nontraditional students must obtain authorization from the Registrar and pay the traditional (full-time) regular term tuition fee. Nontraditional students have up to 12 years to complete their bachelor's degree requirements and must complete their final 30 credits at Bryant. Nontraditional students may choose day and evening courses.

Full-Time Tuition for Traditional Students

The full-time tuition fee for the fall and spring terms for all students is $54,934. In addition to tuition, this fee covers all costs associated with

attending Bryant, other than room, board and student involvement fee. Such costs include health services, participation in intramural sports, and use of athletic facilities.

Room and Board Fees – Residence Hall Village and First Year Complex

Room Fees:

Residence Halls, Single	$15,120
Residence Halls, Double	$11,570

Meal Plans:

Unlimited Plan $7,800

210 Block Plan $7,434

150 Block Plan $7,300

105 Block Plan $6,584

Townhouse/Commuter/Graduate Plan $1,155(purchased in increments of 75 meals)

Residents 30 Block Plan (30 Meals) $525

Board Programs

The University requires that all students who reside in the residence hall village, and Warren House, Bristol House, Barrington House, and Newport House take one of the meal plans (Unlimited, 210 Block, 150 Block or 105 Block). There are no exceptions except in the case of an extreme medical problem. Call Residence Life at (401) 232-6140 for information on this policy.

Townhouse and Puishys Residence Complex Apartment Fees

The townhouse room fee for the combined fall, winter and spring term period is $15,120 for a single occupancy room and $14,076 for a double occupancy room. The Puishys Residence Complex apartment room fee for the combined fall, winter and spring term period is $16,636 for all single occupancy rooms. Each townhouse and apartment have kitchen facilities; however, the student may choose to purchase a meal plan (Unlimited, 210 Block, 150 Block, 105 Block or a Townhouse/Commuter Meal Plan or the Residents 30 Block Plan) if desired. (Fees subject to change.)

Special Term Fees

The tuition fee for summer and winter terms is $670.00 per credit. The University offers the possibility of residential living in both winter and summer terms. The estimated residence fee is TBD for the five-week term. The room fee is subject to change as circumstances warrant.

Dining Services for Breaks and Holidays

Dining services will provide food for sale on a limited basis during the winter term. Food may be purchased in the Gulski Dining Room during normal business hours. All food may be purchased using credit cards or Bulldog Bucks Due to limited offerings, students may want to make alternative arrangements to supplement their dining requirements.

Refund Policy

A student withdrawing from Bryant during the term is required to make an appointment in the Undergraduate Advising Office and complete an official withdrawal form in the Office of the Registrar. Refunds will be calculated as follows:

Room: No refund (charged by the term). Board: Refund is pro-rated (based on days). Tuition: Written notification received by the Office of the Registrar in the:

Regular Term (Fall/Spring):

Refund Policy	
Week/Day	Percentage
First week:	80 percent
Second week:	60 percent
Third week:	40 percent
Fourth week:	20 percent
After fourth week:	No refund

Winter Term:

Refund Policy	
Week/Day	Percentage
First two days:	80 percent
After second day:	No refund

Summer Day Term:

Refund Policy	
Week/Day	Percentage
First two days:	80 percent
Day 3-7:	60 percent
Day 8-9:	40 percent
Day 10-13:	20 percent
After day 13:	No refund

Summer Evening Term:

Refund Policy	
Week/Day	Percentage
First three days:	80 percent
Day 4-9:	60 percent
Day 10-13:	40 percent
Day 14-15:	20 percent
After day 15:	No refund

Students who must withdraw due to military requirements will, upon certification of that fact, be granted a 100% refund.

Students dismissed academically at the end of the first regular term are entitled to a refund of all tuition and room and board fees that have been paid for subsequent terms.

Refund checks or E-Refunds due to students for over payment will be issued upon request and after at least 30 working days following the date a check has been deposited to a student's account.

A refund check will be made payable to the student (if non-minor) unless the account credit is due to the posting of a PLUS Loan payment. The refund is then processed in the borrower's name or to the student if written permission by the borrower is provided to the Bursar's Office to release the funds to the student.

Return of Title IV Federal Financial Aid

Regulatory guidelines associated with the return of Title IV funds as detailed in the Higher Education Amendments of 1965 (as amended in 1998) require institutions participating in federal student aid programs to employ very specific measures in effecting financial aid adjustments for students who withdraw from college. The policy governing the Return of Title IV Federal Financial Aid applies to all federal grant and loan programs (Pell, SEOG, Stafford loans, Grad PLUS and PLUS loans), but does not include the Federal Work-Study Program.

In general, the law assumes that a student earns federal financial aid awards (which have been approved and verified) in proportion to the number of days completed in the term prior to the student's complete withdrawal. If a student completely withdraws from school during a term, the school must calculate, according to a specific formula, the portion of the total scheduled financial assistance that the student has earned and is therefore entitled to retain, until the time that the student withdrew.

If a student receives (or the University receives on the student's behalf) more assistance than he/she earns, the unearned funds must be returned to the U.S. Department of Education or to the Federal Direct or Federal Parent PLUS Loan programs. If a student's charges are less than the amount earned, and a refund is due, the student may be able to receive those additional funds. Students who have not completed the verification process are ineligible to receive any financial aid.

The portion of the federal grants and loans that the student is entitled to receive is calculated on a percentage basis by comparing the total number of days in the term to the number of days that the student completed before he/she withdrew. For example, if a student completes 30 percent of the regular term, he/she earns 30 percent of the approved federal aid that he/ she was originally scheduled to receive for the term. This means 70 percent of the student's scheduled or disbursed aid remains unearned and must be returned to the federal programs. In the past, the previous federal and pro-rata withdrawal policies determined the amount of federal funds that must be returned, and the university was required to reduce the student's charges by the same amount. The new policy governs the earned and unearned portions of the student's Federal Title IV Financial Aid only. It determines how much, if any, the student and/or the school may need to return. This policy does not affect the student's charges. Bryant's own withdrawal policy will be used to determine the reduction, if any, in the student's tuition and fee or room and board charges. The student is responsible for paying any outstanding charges to Bryant University.

If it is determined that a portion of the financial aid received on the student's behalf is unearned, the University shares, with the student, the responsibility of returning those funds.

Any grant funds that the student is required to return to the federal programs are considered an over payment. The student must either repay the amount in full or make satisfactory payment arrangements with the Department of Education to repay the amount. If the student fails to repay, or make payment arrangements to repay an over payment, the student will lose his/her eligibility to receive future federal financial aid at any institution.

Payment is due by August 9, 2026, for the fall, January 9, 2027, for the spring, prior to the first day of class for the winter term, and May 9, 2027, for the summer term.

PAYMENT OPTIONS

Credit Card / Debit Card

Bryant University does not process credit/debit card payments in the Bursar's Office or over the phone for student account charges. A third-party processor (Paypath Payment Service) accepts all student account credit/debit card transactions on behalf of the University via the Student Account Center. The credit cards that are accepted through Paypath are as follows: Visa, MasterCard, American Express, Discover, Diners Club, JCB and China Union Pay, BCcard and DinaCard. There will be a 3% **non-refundable** service fee associated with all credit/debit card payments, with a minimum charge of $3.00. The Payer will be required to acknowledge the non-refundable service fee that will be charged to the credit/debit card account prior to the payment being finalized.

If a student/authorized user chooses to pay with a credit/debit card, they will be required to pay via the web and will be directed to Paypath's secure network environment for the credit/debit card payment to be processed.

Electronic Check (Checking/Savings)

Payment may be made on-line, within the Student Account Center, using a personal checking or savings account. There is no fee to use this option. A $40.00 fee is assessed to the student's account if the payment is returned from the bank as uncollectible. A $3.00 fee is assessed to the student's account if the payment is returned from the bank due to incorrect account information being entered when the payment is made.

Check Payment

All checks and money orders should be made payable to Bryant University. Please include the student's ID number with payment. Envelopes should be addressed to the university's address:

Bryant University, Bursar's Office

1150 Douglas Pike

Smithfield, RI 02917

The university does not accept post-dated checks. A $40 fee is assessed to the student's account if a check is returned from the bank as uncollectible.

International Wire Payments

Bryant University has partnered with Flywire to offer a secure, convenient method for payment of tuition and fees. Their powerful global platform is trusted by institutions and payers worldwide. Flywire ensures your education payments are delivered in full every time and displays all costs upfront. Choose from a selection of local, familiar payment methods, and receive favorable foreign exchange rates in your home currency.

Committed to providing the best pricing and payment options, Flywire offers a Best Price Guarantee when sending your payment by bank transfer. If you find a better bank rate within a two-hour time frame of making a booking with Flywire, they'll match it. Flywire also offers real-time payment tracking. Receive email and text updates on your payment's status or create a Flywire account to easily track your payment online. Your institution can also track your payment in real-time from initiation to delivery. Flywire also offers 24x7 customer support. Need additional information?

Visit flywire's site here or view a flyer from the available language options below.

English Chinese Arabic French Indonesian Korean Portuguese Spanish Hindi Vietnamese Japanese

Domestic Wire Payments

Contact the Bursar's Office for assistance.

Miscellaneous Fees, Deposits and Holds

Admission Deposit

All students admitted to Bryant make a non-refundable enrollment deposit of $800. This commitment deposit is credited on the fall tuition bill.

Application Fee

An application fee of $50 must accompany the application. The application fee for citizens of countries other than the U.S. is $50. This fee pays for all processing expenses and is non-refundable.

Insurance:

Bryant University offers a variety of insurance options to protect our students and their personal property.

Health Insurance

Bryant University provides access to a health insurance plan through University Health Plans (UHP). International Students are automatically enrolled in the plan and are given the opportunity to waive through UHP. UHP will review the student's policy to determine sufficient coverage.

The health insurance plan is also available to all full-time students who wish to purchase the University-sponsored plan through University Health Plans. The cost for the 2026-2027 academic year is $1,999 and will be added to the student's Bryant University account. The policy is in effect from August 15 through August 14, yearly.

Each year, students must log onto University Health Plans to complete and submit an online enrollment or waiver form. They may also download a brochure describing student insurance coverage, look for participating doctors and hospitals, review frequently asked questions, and email questions to University Health Plans. More information on this insurance can be obtained through the Health Services Office.

Tuition Insurance

For a small fraction of the overall tuition costs, GradGuard Tuition Insurance can protect your investment. Their Tuition Insurance provides reimbursement when a student is unable to complete an academic term due to an unforeseen, serious injury or illness, mental health condition or chronic illness.

Renter's Insurance

Students may purchase inexpensive individual property insurance for personal belongings while on campus directly through GradGuard. The University has partnered with GradGuard, because they offer a unique student-focused renter's insurance program that has protected over 500,000 students nationwide; this option is available during the housing application process.

Insurance for University-owned Property

The University carries a full portfolio of insurance coverage to protect itself from loss. Bryant University's property insurance policy covers loss including theft and damage of all real and personal property owned by the University or for which it is legally liable, including improvements and betterments to leased or rented property, any newly acquired locations, or additions to existing locations. The University does not provide coverage for real or personal property that it does not own.

Late Fee Policy

The Bursar's Office will assess a $150 late fee for any account that has an outstanding balance after the due date of the invoice.

Financial Holds

Transcript Hold - An unofficial/official transcript may not be granted to a student unless they have fulfilled their financial obligation to the university. An account for a student who has received Title IV Aid will be reviewed on a case-by-case basis at which time a transcript hold exception may be granted.

Registration Hold - A student will not be allowed to register for a future semester unless they have fulfilled their financial obligation with the University.

Diploma Hold - A diploma is not released for those accounts that remain on a transcript hold.

Schedule Cancellation

At the discretion/option of the University, a student's schedule may be canceled before classes begin if satisfactory financial arrangements have not been made between the student and Bursar's Office.

Electronic Billing (E-Bill) and Aid

The Bursar's Office at Bryant University is responsible for the billing and collection of the student tuition account.

At Bryant University, the students do not receive paper invoices through the mail. Instead, when a bill has been posted to the online Student Account Center, the student will receive an email at their Bryant University email address notifying them that their Electronic Bill (E-Bill/eStatement) has been posted and is ready for viewing online at the Student Account Center.

Student Account Center (authorized user)
Student Account Center (student)

It is important to assign a parent/guardian and/or any third-party who is responsible for paying the tuition bill, as an authorized user on the

Student Account Center. This can be accomplished by simply selecting the Authorized Users tab and adding the authorized user's e-mail address. An authorized user will be able to: receive billing emails sent by our office, have access to the online account and billing statement, be able to make a payment online with a credit card (a 3% Service Fee will be assessed), Electronic Check (with no additional fees) and much more. There is no limit on how many authorized users that a student can assign to their account.

If the individual responsible for paying the account does not have an email address or does not have access to a computer, the student is able to print the online billing statement and forward a paper copy to them. Our office will continue to accept payments through the mail. Our payment mailing address is Bursar's Office, 1150 Douglas Pike, Smithfield, RI 02917-1284. Please include the nine-digit student number on the check.

Credits listed on the initial E-Bill reflect any direct financial aid awarded. Please note that work-study awards do not get credited to the amount due as the student earns these funds via a paycheck.

Students should be aware of the outstanding amount they must pay after financial aid is deducted from the total costs. All required forms and applications must be submitted and approved before financial aid can be applied to a student's account. If the necessary paperwork is not submitted at the time the account is due, the student must pay the balance and request reimbursement after receipt of financial aid.

Federal Direct Student Loan Master Promissory Note applications should be submitted electronically via the U.S. Department of Education web site prior to the beginning of the academic year. Any credit balance requested by the student will be released after the published refund period.

If a student receives federal funds and withdraws during the University's refund period, the percent of refund to which the student is entitled will be credited to the appropriate federal fund in accordance with federal regulations. For a detailed report of the refund formula, contact the Director of Financial Aid.

Schedule of Fee Payments

Payments are due August 9, 2025, and January 9, 2026

Undergraduate Tuition

Schedule of Fee Payments

Description	Amount
Undergraduate Tuition	$54,934($27,467 per semester)
Student Involvement Fee	$600 ($300 per semester)
Experiential Learning Fee	$200($100 per semester)
Technology Fee	$504 ($252 per semester)
Lab Fee	$175 per lab
Studio Art Fee	$60 per class
Study Abroad Fee	$515 per semester for participant only

Deposits

Schedule of Deposit Payments

Description	Amount
Dorm Damage Deposit Fee included on students' first semester bill:	$400 The damage deposit will be refunded less any dorm damage after graduation in June when the dorms/ townhouses have been inspected and assessed for any damage.
Residence Hall Deposit	$300 This non-refundable deposit is due in February 2027 to reserve a student's space in housing for the Fall 2027 semester. It does not get applied toward a student account until the fall billing following the February deposit.

Winter and Summer Term Fees

Schedule of Fee Payments

Description	Amount
Fee per credit	670.00
Housing fee per week	TBD

Pro-Rata Tuition for Traditional Undergraduate Students

The "pro-rata" tuition for students enrolled in a traditional, full-time study program is calculated at one-twelfth of the full-time regular semester tuition per credit.

Fee Changes

Tuition and fees are subject to change by the University.

Honors, Awards, and Recognitions

Alpha Alpha Alpha (Tri-Alpha) - A National Honor Society For First-Generation College Students.

Alpha Alpha Alpha (Tri-Alpha) is a National Honor Society for First-Generation College Students. Tri-Alpha promotes academic excellence and creates a supportive environment for first-generation students across all academic disciplines. Bryant University is home to the first chapter

Tri-Alpha in the State of Rhode Island. For undergraduate students to be eligible for membership, they must be a current full-time degree candidate at Bryant University, completed at least two full-time terms of study, a minimum 30 credit hours, and achieved a cumulative grade point average (GPA) of at least 3.2 in all coursework. Students must come from a family where neither parent nor any legal guardians have earned a bachelor's degree.

Alpha Kappa Delta - International Sociology Honor Society

Alpha Kappa Delta, the international sociology honor society, promotes scholarly excellence in the study of sociology, the research of social problems, and such other social and intellectual activities as will lead to improvement of the human condition. To be eligible for membership, students must have at least junior year standing, an overall GPA and a sociology GPA of at least 3.0, be in the top 35 percent of their class, and have completed a minimum of four courses in sociology. Membership is not limited to sociology majors.

Beta Gamma Sigma - International Honor Society

Membership in Beta Gamma Sigma is the highest national recognition a student can receive in an undergraduate or master's program in business or management accredited by AACSB International – The Association to Advance Collegiate Schools of Business. Members must have earned a cumulative GPA of 3.5 (cumulative GPA of 3.75 for graduate students), rank in the upper 10 percent of the second-semester junior class, upper 10 percent of the senior class, or top 20 percent of the graduating master's class.

Chi Alpha Sigma - Student-Athlete honor Society

Bryant is one of only 60 institutions nationally to be recognized with a Chi Alpha Sigma chapter. Chi Alpha Sigma is the nation's only student-athlete honor society. To be selected for induction, student-athletes must be juniors or seniors, hold at least a 3.4 overall GPA, earn a letter in their sports, and clearly exhibit strong personal character through a commitment to community service.

Delta Alpha Pi - International Honor Society for students with disabilities

Delta Alpha Pi International Honor Society recognizes students with disabilities for their academic accomplishments. Bryant is home to Delta Alpha Pi's Zeta Kappa Chapter. Undergraduate students with disabilities who have completed a minimum of 24 credits and earned a cumulative GPA of 3.1 or higher are eligible for membership; graduate students are eligible if they have completed 18 credits with a minimum 3.3 cumulative GPA. Eligible students must also demonstrate an interest in disability issues and work with faculty and/or staff in either Access Services, Health Services, or Counseling Services.

Kappa Mu Epsilon - Mathematics Specialized Honor Society

Kappa Mu Epsilon is a specialized honor society in mathematics. Founded in 1931 to promote the interest of mathematics among undergraduate students, its chapters are located in colleges and universities of recognized standing which offer a strong mathematics major. Members are selected from students of mathematics and other closely related fields who have maintained standards of scholarship, have professional merit, and have attained academic distinction. To be eligible for membership, students must have completed at least three college semesters and rank in the upper 35 percent of their class. In addition, they must have completed at least three courses in mathematics, including at least one semester of calculus, and attained an average of B or better in all mathematics courses.

Lambda Pi Eta - Communication Honor Society

Lambda Pi Eta is the official communication studies honor society of the National Communication Association. The Bryant chapter is named Theta Delta. To be eligible for membership, students must have a cumulative grade point average of 3.0, achieved a grade point average of at least 3.25 in the major of communication, and must represent the top 30 percent of their graduating class. Lambda Pi Eta is an accredited member of the Association of College Honor Societies.

Mu Kappa Tau - National Marketing Honor Society

Mu Kappa Tau is committed to the pursuit and recognition of academic excellence in marketing. It recognizes academic achievement, encourages high ethical standards, and advances the marketing profession. Since 1966, marketing faculty across the nation have nominated talented marketing students to the society. To qualify for membership, students must be junior or senior marketing majors, or business concentrators with a marketing minor, and have a cumulative GPA of 3.25 or higher. It is recognized by the Association of Collegiate Honor Societies.

Mu Sigma Rho - National Statistics Honor Society

Mu Sigma Rho, the national honor society for statistics, promotes and encourages scholarly activity in statistics, and recognizes outstanding achievement of students. To be eligible for induction, students must be juniors or seniors, have completed eight semester hours of statistics courses (at least five semester hours must be at the junior level or higher), have a 3.25 GPA in all statistics courses, and be in the top third of the class in all coursework.

Omicron Delta Epsilon - International Economics Honor Society

Omicron Delta Epsilon (ODE), the International Honor Society in Economics, honors students who maintain a cumulative average of 3.0 or higher in at least four economics courses (12 credit hours) and an overall GPA of 3.0 or higher. Additionally, applicants are required to obtain a recommendation from the ODE faculty advisor.

Omicron Delta Kappa - National Leadership Honor Society

Omicron Delta Kappa is a nationally recognized leadership and honor society. To be eligible for membership, students must be juniors or seniors recognized for excellence in academics (top 35 percent of the class), athletics, community service, mass media, or the performing arts. All members are nominated by current members of the society.

Phi Alpha Theta - National History Honor Society

Phi Alpha Theta is a professional society that promotes the study of history through the encouragement of research, good teaching, publication, and the exchange of learning and ideas among historians. The society seeks to bring students, teachers, and writers of history together for intellectual and social exchanges, which promote and assist historical research and publication by our members in a variety of ways. To be eligible for membership, students must earn a minimum GPA of 3.1 in at least 12 semester hours in history and an overall GPA of 3.0 as well as being in the top 35 percent of their class. Membership is not limited to history majors.

Phi Sigma Iota - International Foreign Language Honor Society

The Phi Sigma Iota Honor Society recognizes outstanding accomplishment in the study or teaching of any of the academic fields related to foreign language, literature, or culture. Phi Sigma Iota is the highest academic honor in the field of foreign languages. To be eligible for membership, students must be pursuing a major, minor, or concentration in one of the languages offered at Bryant (Chinese, French, Italian, or Spanish), have completed at least one course at the 300 level (305 or above) and 45 semester hours, have a minimum GPA of 3.0 overall and a minimum GPA of 3.5 in their language courses, and rank in the top 35 percent of their class.

Pi Sigma Alpha - National Political Science Honor Society

Founded in 1920, Pi Sigma Alpha is the national honor society for college students of political science. To be eligible for membership, students must have completed a minimum of 12 semester hours of political science courses with a minimum GPA of 3.3 and an overall minimum GPA of 3.3. Membership is not limited to politics and law majors.

Psi Chi - International Honor Society in Psychology

Psi Chi is the international honor society in psychology that recognizes academic excellence in psychology. To be eligible for membership, students must have an overall GPA that is in the top 35 percent of their class, an overall GPA of at least 3.0, and a cumulative GPA that is at least 3.0 in their psychology courses. Membership is limited to psychology majors who are at least juniors and have taken a minimum of nine hours of psychology.

Sigma Iota Rho - Honor Society for International studies

The purpose of Sigma Iota Rho shall be to promote and reward scholarship and service among students and practitioners of international studies, international affairs, and global studies and to foster integrity and creative performance in the conduct of world affairs. To be eligible for membership in the Sigma Iota Rho Society, a student must complete course work in international studies including courses in relevant subject areas of anthropology, economics, foreign language, geography, history, political science, and other related disciplines. Membership is limited to students who have attained junior standing with an International Relations major or minor. Students must maintain a cumulative grade point average of 3.3 or higher in all courses and an average of at least a 3.4 in international relations courses.

Sigma Tau Delta International English Honor Society

Sigma Tau Delta, the International English Honor Society, confers distinction upon students of the English language and literature in undergraduate, graduate, and professional studies. To be eligible for induction in Bryant's Alpha Tau Rho Chapter of Sigma Tau Delta, students must have completed a minimum of two college courses in English language or literature beyond the usual requirements for first-year English. Candidates must have a minimum of a B or equivalent average in English and in general scholarship, must rank at least in the highest 35 percent of their class, and must have completed at least three semesters or five quarters of college coursework. Founded in 1924, Sigma Tau Delta is a member of the Association of College Honor Societies.

President's List/Dean's List

Traditional, full-time students who have a GPA of 3.45 or better for at least 12 semester hours of work will be named to the Dean's List. Those who achieve a term GPA of 4.0 are designated as President's List recipients. Dean's List and President's List for traditional, full-time students is calculated each term after final grades have been submitted and the standards of progress have been processed. These designations appear on the student's official transcript.

Nontraditional, part-time students who have a GPA of 3.45 or better in the fall and spring terms combined will be named to the Dean's List at the end of the academic year. Those who achieve a 4.0 in the academic year are designated as President's List recipients. Dean's List and President's List for nontraditional, part-time students are calculated at the end of the spring term each academic year after final grades have been submitted and the standards of progress have been processed. (Note: Special terms are included in the 4.0 calculation while at Bryant.) These designations appear on the student's official transcript.

Bryant University hosts an award celebration on Family and Friends Weekend in the fall for the previous academic year's Dean's List and President's List recipients. Recipients and their guests are invited to a reception where students are recognized for their academic achievement and presented with an award certificate. Invitations to the ceremony are based on academic records as of September 1. Any grade changes that result in a student being named to the Dean's List or President's List after the September 1 cutoff date will still show on the official transcript.

Note: Students who receive and "I" or "NA" grade for a term are not eligible for Dean's or President's List.

Graduation Honors

Special recognition is accorded those who show distinction in academic achievement. Honors may be awarded on the basis of cumulative averages, as follows: Cum Laude (with honors - GPA of 3.45), Magna Cum Laude (with high honors - GPA of 3.65), and Summa Cum Laude (with highest honors - GPA of 3.85-4.0). Students must have completed 60 semester hours of coursework at Bryant University to be eligible for honors.

Commencement Ceremony

Commencement ceremonies honor certified graduates and candidates for degrees who have been scheduled to complete coursework by the end

of the Bryant 's summer academic sessions. Diplomas are issued after grade reports are completed and candidates are fully certified. Graduation honors noted on the Commencement program are based on cumulative records as of the end of the fall term. Honors recorded on the diploma are based on finalized cumulative averages.

Bryant Symbols

The Archway

The Archway is a University landmark that moved with Bryant from its former campus on the East Side of Providence to the Smithfield campus, which opened in 1971. Fondly remembered by thousands of alumni, the iconic wrought iron gate is located on the path between the Unistructure and the Michael E. '67 and Karen L. Fisher Student Center. The original college seal remains intact within the Archway. It bears Bryant College's original Latin motto: Educando Dirigere Mercaturam - Education for Business Leadership.

The Bryant Medallion

The Bryant Medallion is worn by the University president during academic ceremonies such as Commencement, Convocation, and the bestowing of honorary degrees. One side of the medallion bears a likeness of the University seal, the other, the names of all Bryant presidents. The formal installation of a president is marked by the presentation of the medallion to the president by the chair of the Board of Trustees.

The Bryant Seal

The Bryant Seal represents the educational mission of the University and its worldwide implications. The seal recognizes the achievements of the faculty in their pursuit of educational excellence. The central symbol is an ellipsoid globe with quills on each side to signify the traditional emblem of communication in business. In the center, behind the globe, is a torch symbolizing liberty, the spirit of free inquiry, academic freedom, and learning. The Archway, forming the background for the globe, torch, and quills, is a University landmark affectionately remembered by thousands of alumni. The Latin motto expresses the purpose of the University: Cognitio Virtus Successus – “Knowledge. Character. Success.”

The Harriet E. Jacobs Memorial Mace

Carried at Commencement and other University celebrations, the University Mace is crowned in gold and bears two dominant emblems: the seal of the State of Rhode Island and the seal of Bryant University. The mace was donated by Bryant's third president, E. Gardner Jacobs and his sister, Mrs. Dorothy J. Lederer, in memory of their mother, Harriet E. Jacobs.

The President's Chair

The President's Chair, a gift to the University from Priscilla Angelo and her husband, John Eng-Wong, is used at ceremonial occasions. It is a Victorian-style gentleman's chair rendered in walnut and copied from an original French design from the period of Bryant's founding in 1863. The carved crest top includes the Bryant University bronze seal.

Commencement Awards

The Achievement in Creative Expression Award

This award is presented to a graduating senior who has achieved excellence in creative expression, as demonstrated in the written, performance, film, fine, or applied arts.

The Anna M. and Jere St. Angelo `61 Accounting Award

These awards are presented to two graduating seniors in accounting who have demonstrated a high level of achievement, are in the top 10 percent of their class, are residents of an urban area, and will enter a career in public accounting.

The Female Senior Scholar-Athlete of the Year Award

This award is presented to the female senior student-athlete with the highest overall grade point average.

The Male Senior Scholar-Athlete Of The Year Award

This award is presented to the male senior student-athlete with the highest overall grade point average.

The Bryant University Good Citizenship Award

This award is presented to a graduating senior who has demonstrated the qualities of sincerity and vigorous industry in the interest of good citizenship and who has, by example, furthered better government both on and off campus.

The Bryant University Scholar Award

This award is presented to graduating seniors who have published, or have had an article accepted in a peer-reviewed scholarly journal while at Bryant.

The Communication Department Award

This award is presented to a graduating senior for outstanding achievement and exceptional competency in all of the contemporary communication arts.

The Environmental Science Leadership Award

This award is presented to an outstanding graduating senior in environmental science who has excelled in the classroom and laboratory, exhibited leadership in initiatives for improving sustainability at the University, and shown potential for valuable contributions to the environmental field.

The Excellence in Biology Award

This award is presented to a graduating senior in biology who has exhibited excellence in the classroom and research laboratory, shown

care and concern about world health problems, and demonstrated a potential for outstanding contributions in the field of biological science.

The Excellence in Data Science Award

This award is presented to a graduating senior with a major in data science who has excelled academically, enriched his or her data science education through meaningful work experience, and demonstrated an unselfish attitude toward others through active involvement in organizations, clubs, or events.

The Excellence in Economics Award

This award is presented to a graduating senior with the highest-grade point average in the major.

The Excellence in Exercise and Movement Science Award

This award is presented to a graduating senior in exercise and movement science who has demonstrated outstanding academic achievement and practical application of knowledge in biomechanics, exercise physiology, and exercise programming and optimization. This award recognizes the recipient's dedication to advancing health and fitness outcomes, their commitment to evidence-based practice, and their potential to make significant contributions to enhancing human performance and wellness.

The Excellence in Health Sciences Award

This award is presented to a graduating student in health sciences who has demonstrated outstanding academic achievement and a commitment to advancing the field of health sciences. This award recognizes the recipient's dedication to improving healthcare outcomes and their potential to make significant impacts in the medical community.

The Excellence in Information Systems Award

This award is presented annually to a graduating senior with a concentration in information systems who has excelled academically, enriched his or her information systems education through meaningful work experience, and demonstrated an unselfish attitude toward others through active involvement in organizations, clubs, or events.

The Excellence in Marketing Award

This award is given to a student graduating with a concentration in marketing who has demonstrated outstanding scholarship and leadership in marketing and made significant contributions to the Bryant community and the marketing program.

The Excellence in Psychology Award

This award is presented to a graduating senior for outstanding achievement in the study of psychology.

The Fulbright U.S. Student Program

The Fulbright U.S. Student Program provides grants for individually designed study/research projects or for English Teaching Assistant Programs. It is a competitive, merit-based grant for international educational exchange and is one of the most prestigious scholarships in the world.

The George J. Kelley Award

This award is presented to a graduating senior or seniors who has/have completed at least 102 credits at Bryant and is/are recognized and honored for having the highest cumulative grade point average at the end of the fall semester.

The George M. Parks Award

This award is presented to a graduating senior whose recognized leadership qualities have significantly enhanced the reputation of the University.

The Global Studies Award, Legal Studies Award, Political Science Award, and Sociology Award

These awards are presented to graduating seniors for their outstanding achievement in the study of global studies, legal studies, political science, and sociology.

The Jack H. Rubens Leadership in Finance Award

This award is presented to a graduating senior who has demonstrated outstanding performance in academics, service to the finance department, and enthusiasm and leadership in extracurricular activities related to finance.

The Jack H. Rubens Leadership in Financial Services Award

This award is presented to a graduating senior who has demonstrated outstanding performance in academics, service to the finance department, and enthusiasm and leadership in extracurricular activities related to financial services.

The Jeremiah Clark Barber Award

This award is presented to the graduating senior who has shown the most consistent academic improvement resulting in Dean's List recognition.

The John Hancock Insurance Company Award

This award is presented to two graduating seniors who have demonstrated superior achievement in the study of actuarial mathematics.

The Leander Francis Emin Endowed Homestead Award

This award is presented to a graduating senior who has achieved scholastic excellence in accounting. It was inaugurated by the family of Leander Francis Emin, Bryant alumnus of the Class of 1907, to honor his memory and his birthplace and home – the 1708 House and the entire Emin homestead, farm, and airport – which became the campus of his alma mater.

The Literary and Cultural Studies Award

This award is presented to a graduating senior for outstanding achievement in, and a strong commitment to, the study of literature and cultural studies.

The Modern Languages Department Award

This award is presented to a graduate with exceptional competency in the study of a language other than English.

The Northeast Human Resources Association (NEHRA) - Management Department Commencement Award

This award recognizes three graduating seniors with a concentration in Human Resource Management (HRM). These individuals have demonstrated academic excellence in HRM, active engagement with Human Resources practitioners, and a passion for a career in the profession.

The Pell Medal for United States History Award

The medal is presented to a graduating senior who has displayed excellence in the study of United States history. The late Honorable Claiborne de Borda Pell created this medal to honor the memory of his father, the late Herbert C. Pell, statesman and diplomat, who served the United States as Ambassador to Hungary and Minister to Portugal.

The President's List Sash

This sash is worn by the graduating senior or seniors who has/have achieved President's List distinction (4.0 grade point average) every semester while at Bryant.

The Research Scholar in Biological and Biomedical Sciences

This award honors a graduating student who has demonstrated exceptional research capabilities and contributions in biological and biomedical sciences. It acknowledges their consistent commitment to advancing knowledge in these vital fields through scientific inquiry. The recipient has shown outstanding potential for future scholarly contributions to the biological and biomedical scientific community.

The Reserve Officers' Training Corps Achievement Award

This award is presented to a graduating senior who has excelled in military science studies and other courses, and who has shown superior leadership potential in the military science program and in extracurricular activities.

The Rhode Island Society of Certified Public Accountants Award

This award is presented to a graduating senior who, in the opinion of the accounting faculty, has demonstrated excellence in accounting studies and intends to pursue a career in public accounting.

The Roger W. Babson Award

This award is presented to a graduating senior who is distinguished within the University community for his or her character, orderly mind, sound judgment, and systematic business habits.

The SAS Institute Award

This award is presented to two bachelor's degree candidates who have demonstrated superior achievement in the study of applied mathematics and statistics and have successfully completed coursework involving the application of SAS statistical software in their data analysis.

The Student Senate Service Award

This award is presented to six deserving graduating seniors in recognition of their outstanding service to the student body of Bryant University. The recipients are selected by the Student Senate Service Awards Committee.

Student Services and Accommodations

Student Services:

There are times when a student needs to talk to someone about a personal, academic, or social problem. Bryant offers a variety of programs, run by professional counselors and administrators; to help students confront the challenges they may face during their college years.
Counseling and guidance – whether academic, personal, spiritual, or career – make an essential contribution to the educational experience at Bryant.

In the Student Services section, you will find information on:

- Academic advising
- Accessibility services
- Academic Center for Excellence (Writing Center, academic services for student-athletes, international students)
- Athletics and recreation on campus
- Campus ministry
- Career education (Amica Center for Career Education)
- Center for Diversity and Inclusion
- Class size
- Clubs and organizations for students
- Computers for students (mobile computing device program)
- Counseling services
- Cultural and recreational services nearby
- Douglas and Judith Krupp Library
- Employment on campus for students
- Faculty
- First-year students - keys to succeed
- Health services, health insurance, health report form
- Intercultural Center
- International dimension to education
- Pride Center
- Security - Public safety
- Women's Center (Gertrude Meth Hochberg Women's Center)

Housing, jobs, and health care facilities are also important to new students. Information about these campus services is provided to students through the Office of Residential Life, the Office of Admission, the Office of Financial Aid, the Amica Center for Career Education, and the Office of Health Services.

First-Year Students

Keys and Tools to Succeed in the Bryant Community

Preparing for the future requires direct exposure to the day-to-day inner workings of the professional world. Internship opportunities and a study abroad program enable students to apply and expand the knowledge they have acquired in the classroom.

The combination of professional courses and liberal studies, on-campus study, and internships provides a firm foundation on which students can build successful careers and productive lives.

Bryant Principles and the Bryant University Pledge

Bryant believes in the importance of building community. This effort is guided by several principles that shape our shared experience. Fostering those principles helps the University prepare its students to achieve their personal best. To enter Bryant University is to become a member of a community, which is both a privilege and an opportunity. Participation in and support of this community is a responsibility shared by all. The search for community represents a process and a journey dedicated to helping students prepare for success in life and their careers. These guiding principles are:

- Bryant University is an educationally purposeful community – a place where faculty, staff, and students work together to strengthen teaching and learning on campus.
- The campus is a place where high standards of civility are set and violations are challenged. Bryant University is a community whose members speak and listen carefully to each other.
- Bryant University is a place where the sacredness of each person is honored and where diversity is aggressively pursued.
- Bryant University clearly states both its academic and social expectations. All must accept their obligations as citizens of the Bryant community and expect to be held accountable for behavior as individuals and members of groups.
- The University is a caring community where the well-being of each member is supported and where service to others is encouraged.
- The campus finds opportunities to affirm both tradition and change. Orientation, Convocation, Homecoming, Commencement, and other activities are examples of celebratory activities. Good traditions must be preserved, new ones established, and others extinguished.

These principles are outlined in Ernest Boyer's book *Campus Life: In Search of Community* [Boyer, E.L. (1990). San Francisco: The Carnegie Commission for the Advancement of Teaching.] and form the basis of the Bryant University Pledge, which is signed by all first-year students and the University president. These principles represent the shared commitments of students and the institution's staff and faculty to a successful learning experience.

Orientation

In June, the Student Affairs division coordinates four, two-day overnight programs for incoming students and their family members to welcome them into the Bryant community. Guided by upperclassmen trained as Orientation Leaders, participants in the New Student Orientation program register for classes, are introduced to Bryant's many services, programs, and resources, meet staff and faculty, and explore the campus. They also have the opportunity to connect with their future classmates at a variety of events and programs.

WELCOME WEEK

Welcome Week is a mandatory program for first year and transfer students that is held the weekend prior to the start of classes in the fall. It is designed to ease students' transition to university life by having them meet one another and interact with members of the faculty and staff. Residential students will move into the residence halls, and commuters will have a welcome program to meet fellow commuters. Transfer students have their own Orientation Day. Welcome Week continues the conversation from Orientation to make sure students feel prepared to begin their first semester at Bryant. A variety of social activities and discussions of expectations and concerns engage students in the campus community and emphasize active participation in the educational process. New students can also look forward to first year programming throughout the first semester.

Mid-Term Grades for First-Year Students and New First Semester Transfer students.

Instructors of first-year students work with first-year students to alert them to potential academic issues in time to take appropriate corrective action.

Opportunities for Leadership and Involvement on Campus

Classroom learning is only one aspect of a college education. The Bryant experience provides many opportunities for students to discover their talents and develop their abilities outside of the classroom setting through a wide variety of activities. Most campus social and cultural events are planned and implemented by students.

Through these experiences, students develop valuable interpersonal and leadership skills. In fact, many Bryant graduates report that their involvement in student activities and programs contributed significantly to their career success.

Student Activities

Student Activities maintains and supports a diverse array of co-curricular programming, student organizations, community engagement initiatives, and leadership development opportunities. These essential campus resources, along with the advisement and support from the Student Activities staff, promote inclusive opportunities that foster personal and professional development, innovation, and global thinking. Student Activities works to create a comprehensive college experience that emphasizes the importance of linking on-campus collaborative learning environments and social development with off-campus real-world connections, community engagement, and active citizenship. Student Activities strives to develop and empower students as they meet Bryant's

mission to “discover their passion and become innovative leaders with character around the world.”
The Student Activities team uses patient and thoughtful advisement, industry best practices, and organizational development to successfully manage and support the above-mentioned services and opportunities. Located on the 3rd floor of the Fisher Student Center, the Student Activities team works to create an adaptive framework of transparent policies and procedures that allow students to explore and develop in a way that is sustainable and efficient while also remaining tailored to their individual needs or interests. Students who work with Student Activities will be challenged in a way that balances their passion with critical thinking and a grounded set of systems that will help them move from concept into reality. Through the promotion of collaborative learning, inclusive practices, leadership development, and community engagement, Student Activities goal is facilitating opportunities for students to develop their many identities as individuals, team members, leaders, innovators, and professionals.

More information about Student Activities can be found in the Bryant University Student Handbook.

Student Housing/Residence Life

Bryant offers resident students a wide range of housing options, from suite-style living to townhouse to apartments to the traditional residence halls of the First-Year Complex.

Housing is limited to full-time undergraduate students, i.e. those taking 12 credit hours or more per semester. Exceptions will be reviewed by the Assistant Vice President for Student Life.

The Office of Residential Life is comprised of both professional and para-professional student staff (Resident Assistants (RAs)). Both the RAs and the professional staff help students resolve personal and residence-related concerns. In the First-Year Complex, the Suite Village, and the Townhouses, and the Puishys Residence Complex, a live-in Community Director oversees the activities of Resident Assistants, and is responsible for the well-being of the resident students.

Community living requires that large numbers of students observe the rights of others living in close proximity. Thus, there are specific regulations listed in the Student Handbook pertaining to those students living in University residence halls.

First-Year Complex

Tailored specifically to meet the social and academic needs of new students, the First-Year Complex consists of three residence halls, and they house approximately 300 students each. Bristol House includes the Women’s Living-Learning Community, a multi-year program that provides women-identified students critical skills and approaches to become successful leaders. Warren House is the location for the Honors Living-Learning Community which first-year honors students can select to live in the community. Warren House is also the location for the Substance-Free Living-Learning Community that is open to any first-year students committed to a substance free lifestyle. Barrington House is the location for the Creative Arts Living-Learning Community that is open to anyone with an interest in the arts and creativity (you do not need to be majoring or have a minor in the College of Arts and Science to participate). Live-in Community Directors supervise the activities of Resident Assistants and coordinate diverse programming efforts.

Suite Village

Open to upperclassmen, the Village consists of 13 four-story, brick residence halls accommodating 1,100 students. Each suite consists of a living room, bathroom, and three double bedrooms. There are a small number of two- and four-person suites.

Newport House

Newport House, while part of suite village, is unique. Newport House is a five floor, co-educational hall consisting of 6 & 7-person suites. The building accommodates 200 students in suites with 3 double rooms or 2 double rooms and a triple room, a common living room, as well as a common bathroom. This style of bathroom is divided into 2 separate shower rooms, and one bathroom with a sink and toilet. The lobby serves as a common area for the entire Suite Village Community and is fully equipped with vending, television, a seating area, and a café/dining area.

Townhouses

A limited number of seniors live in the two-story townhouses, which consist of single and double bedrooms, two bathrooms, a living room, dining area, and fully equipped kitchen. While each townhouse has complete cooking facilities, students may purchase a meal plan. Seniors with an SCN of 5 or higher are eligible to participate in a housing lottery for townhouse housing.

Puishys Residence Complex

Bryant’s newest campus housing option. The Puishys Residence Complex is primarily available to seniors and is comprised of 4- and 6- person apartments. Each apartment has single bedrooms, two bathrooms, a common room, dining area, and fully equipped kitchen. While each apartment has complete cooking facilities, students may purchase a meal plan. Seniors with an SCN of 5 or higher are eligible to participate in a housing lottery for apartment housing.

Residence Hall Reservations

To reserve on-campus housing, each new or returning student must submit a housing application form online and pay the residence hall deposit by a deadline announced each year. Incoming students new to the University receive residence hall application information when they make their deposit to attend Bryant.

Current residents must make an advance room reservation deposit of $300 in February of the current academic year. (This deposit does not apply to incoming new students, as their deposit to the institution includes their housing deposit.) By submitting this deposit by the stated deadline and following the appropriate procedure, a student is allowed to participate in the housing lottery process for the forthcoming year.

Room Occupancy

Room assignments and information on the time and date set for room occupancy will be emailed approximately three weeks before the beginning of the academic year. Those arriving at an earlier time should arrange for overnight accommodations at nearby motels and hotels.

All residence and dining halls close for Thanksgiving, and for winter and spring vacations, during semester breaks, and at other times set by the University. During the closings, the University will make arrangements to accommodate only students who demonstrate that it is imperative that they remain on campus.

Furniture

The University provides a single bed with a mattress, a desk and chair, a chest of drawers, and one closet for each student. Students are expected to provide personal articles including a desk lamp, bed sheets and bedspread (extra-long twin size), mattress cover, pillow, pillowcases, blankets, and towels.

Laundry

Laundry is free for all residential students and available within their residence hall.

Residence Hall Wireless Internet

Wireless internet is available in Bryant's residence halls. In addition, The Douglas and Judith Krupp Library catalog can be accessed via the network. Support of the Residence Hall computer network is provided through IT Service Desk.

Meal Plans and Bulldog Bucks Usage

Meal plans are required of all resident students living in all areas of the campus except the Townhouses, and the apartments in the Puishys Residence Complex, which provide cooking facilities. *The complete Bryant University Meal Plan Policy can be found in the Bryant University Student Handbook.*

Student Services

Accessibility Services
Office of Accessibility Services and the Academic Testing Center

Office of Accessibility Services Location: Unistructure - Ground Floor of the Admissions Hall, across from the Admissions Atrium
Phone: 401-232-6880

Academic Testing Center Location: Unistructure - Room M34
Phone: 401-232-6830

Website: Office of Accessibility Services

Bryant University upholds the mandates of Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 (ADA), and the ADA Amendments Act of 2008. Students with documented disabilities may request accommodations through the Office of Accessibility Services. The request process begins with the completion of an online intake form and personal intake meeting and includes a review of appropriate documentation. All requests are evaluated on a case-by-case basis with a focus on how the student's disability impacts daily living and learning activities.

The Office of Accessibility Services also manages the Academic Testing Center (ATC), a low-distraction testing space for Bryant students that is designed to maximize student performance and maintain test integrity. The ATC supports students who use approved testing accommodations or miss in-class exams due to illness or team travel.

Academic Advising

Location: MRC wing
Phone: 401-232-6210
Website: Undergraduate Academic Advising

Undergraduate Academic Advising is a collaborative educational process between students and their advisors to meet essential learning outcomes, ensure student success, and outline the steps for achieving long-term academic, personal, and career goals. This advisor/ student partnership requires participation and involvement of both the advisor and the student as it is built over the student's entire educational experience at the university. Students can find their assigned advisor on their Banner student profile.

Through participation in academic advising students will:

- Demonstrate the ability to make effective decisions concerning their degree and career goals.
- Develop an educational plan for successfully achieving their goals and select courses each term to progress toward fulfilling that educational plan.
- Demonstrate an understanding of the value of higher education.
- Utilize the resources and services on campus to assist them in achieving their academic, personal, and career goals.
- Be able to accurately read and effectively utilize a degree evaluation in their educational planning.
- Create a path to graduate in a timely manner based on their educational plan.

THE ACADEMIC CENTER FOR EXCELLENCE (ACE) & THE WRITING CENTER

Location: Unistructure 275
Phone: 401-232-6746
Website: Academic Center for Excellence and The Writing Center

Our mission in The Academic Center for Excellence and The Writing Center is to help students become self-reliant, independent, confident learners so they may successfully meet the demands of their chosen academic curricula. This is achieved through a myriad of services to support academic progress and find what learning and study strategies work best for each student.

Student-Athlete Academic Services

Student-Athlete Academic Services (SAAS) provides tailored assistance for the unique needs of student-athletes. Students in our Division I athletic programs have challenging schedules and often need additional help finding a balance between the Student Services demands of athletics and academics. "SAAS" provides these students support with general study skills, time management and overall organization.

Student-Athlete study hall requirements can be fulfilled using any of SAAS's services; tutoring, writing center, learning specialist appointments and time spent in the student-athlete quiet study hall.

Academic Services for International Students and English Language Learners

The Academic Center for Excellence and the Writing Center offer specialized services for international students and English language learners to help them increase their academic confidence and improve their performance as Bryant students, preparing them for the global job market.

Services include assistance with adjusting to academic life at Bryant and in the United States; taking advantage of ACE and Writing Center academic support services; navigating the variety of support services available to international students on campus; developing study skills for college success; improving written and oral language skills; and setting goals for academic improvement.

AMICA CENTER FOR CAREER EDUCATION

Location: Unistructure, 1st Floor next to Salmanson
Temporary Location Spring & Summer 2025: Unistructure, 2nd Floor, Faculty Suite G

Phone: 401-232-6090
Career Center Website: career.bryant.edu

The Amica Center for Career Education offers a full range of career development and planning services for all students, including:

- Individual Career Coaching for All Majors
  - Personalized career development and planning strategies
  - Career assessments and other online tools for exploring majors and/or career paths
  - Network opportunities with alumni to learn about occupations, industries and strategies
  - Support for finding internships and jobs and preparing application materials
- Experiential Education
  - Support for exploring careers and build professional skills through experience
  - Opportunity to earn academic credit or digital credentials for experiences as early as your second semester. Ask about Transcript Notation Internships, Variable Credit Internships, Standard Academic Internships and Digital Badging
- Recruitment programs and events
  - Alumni-student networking events in New York City, Boston, Washington, DC, Providence, and more
  - Employer relationships through Handshake – the student job board and employer directory for both internships and full-time opportunities
  - Fall and Winter Career and Internship Fairs with over 100 employers
- Other specialized programs and networking events designed to connect students with industry professionals

We encourage students to visit the Amica Center as early as the first year to get started with:

- Participate in the GEN 103 Career Launch Course
- Utilize career assessment tools and the advice of our professional staff
- Visit drop-in hours M-F 11am-2pm, to write or improve a college résumé, LinkedIn profile, or other application materials
- Start researching or applying for experiential education opportunities to build your skills and earn badges or college credit
- Learning how to leverage campus life involvement in your career development journey

Stop by our office, visit our website, call (401) 232-6090, or email careers@bryant.edu to learn more about resources and services provided.

The opportunity to utilize the Amica Center for Career Education continues after graduation. Career coaching is available to alumni who are changing careers and are in need of assistance, up to five years post-graduation.

Alumni are also invited to attend the many workshops, programs, and events offered by the Amica Center for Career Education. The Amica Center offers most services virtually when needed, via Zoom, email and telephone.

Athletics and Recreation (on campus)

Bryant University is a Division I member of the Northeast Conference (NEC). Men's varsity teams competing in the NEC include: baseball, basketball, cross country, football, golf, lacrosse, soccer, swimming and diving, tennis, and indoor and outdoor track and field.

Women's varsity teams competing in the NEC include basketball, cross country, field hockey, lacrosse, soccer, softball, swimming and diving, tennis, indoor and outdoor track and field, and volleyball.

Recreation and physical fitness are important components of the Bryant experience. The University offers a variety of intramural programs for men and women, providing competitive recreation throughout the school year for all students who wish to participate. These programs include badminton, basketball, dodgeball, flag football, indoor/outdoor soccer, softball, volleyball, and many more.

Club sports include cheerleading, dance, men's ice hockey, karate, men's and women's lacrosse, racquetball, women's rowing, men's and women's rugby, soccer, squash, tennis, Ultimate Frisbee, and men's volleyball.

Campus Ministry

The University Chaplains in the Campus Ministry Office of the Machtley Interfaith Center serve the needs of the Bryant community members, including students, staff and faculty. Part-time Catholic, Protestant, Jewish and Muslim chaplains are available as well as a full-time Director of Campus Ministry to offer conversation, guidance, education and spiritual development.

There are student organizations that serve the Catholic, Protestant, Jewish and Muslim students through varied religious, educational

and social programming. Worship services are also offered regularly throughout each week of the semester.

COMMUNITY AND BELONGING

Location: Fisher Student Center, 2nd Floor
Phone: 401-232-6900
Email: belonging@bryant.edu (belonging@bryant.edu)
Website: Community and Belonging

The Office of Community and Belonging (OCB) is committed to providing a safe, respectful, and supportive campus that emphasizes belonging, values different perspectives, and where all members of the community matter and can succeed. OCB leads campus-wide efforts and works collaboratively with departments and divisions to facilitate initiatives that strengthen connection and community. Signature programs include, the Affinity Network, the Engagement Zone, and the Belonging Hub. Through these programs, OCB helps foster a campus culture where participation, understanding, and shared purpose are part of everyday experience

Computers for Students - Mobile Computing Device Program

Incoming full-time students will receive, as part of their tuition, a state-of-the-art mobile computing device for use on and off campus, which will be theirs to keep upon graduation.

The IT Service Desk is located on the 2nd Floor of the Unistructure - Rotunda. The IT Service Desk is the main point of contact for students when they have issues or questions regarding their mobile device, use of University websites, network, or any other technology needs. As an officially certified repair center, it can provide same-day service for repairs since most replacement parts are housed on-site. Support hours and additional information are available on IT Service Desk Support page.

Technicians in IT Service Desk also provide tier 1 support for the Residence Hall wireless network.

Wireless connectivity is available throughout the entire campus

Counseling Services

Location: John H. Chafee Center
located across the street from the Unistructure and Koffler
Phone: 401-232-6045
Email: bcs@bryant.edu, or stop by in person
Website: Counseling Services

College students experience great challenges and adjustments in both their academic and personal lives. Many new and important decisions are made during these years. Change is constant, and stress often accompanies these new experiences.

The Office of Counseling Services provides a private and confidential setting for students to discuss these multifaceted changes, cope with their challenges and make thoughtful decisions. Counseling services are free for Bryant students. Students who are experiencing serious emotional difficulties, or who require specialized or longer-term treatment, can receive referrals to professional services off campus. The staff adhere to state and federal laws regarding confidentiality and privacy; counseling records are not part of the academic record. The Office of Counseling Services also offers wellness programming and support programs: Weekly yoga and mindfulness meditation classes, The Student Support Network, Social Anxiety and ADHD support, and other topic groups as requested.

If you need to speak with staff regarding a mental health or a psychiatric disability, please contact Dr. Noelle Harris, Assistant Dean and Director of Counseling and Religious and Spiritual Life at nharris@bryant.edu or call 401-232-6045 for a consultation.

Cultural and Recreational Activities (nearby)

Bryant University is ideally situated so that students can benefit from the intellectual, cultural, and social opportunities of New England.

Just 12 miles from the campus, Providence is one of the largest cities in New England. For over two centuries it has been a social, intellectual, and artistic center of Rhode Island and New England. Brown University, Rhode Island School of Design, and Providence College are located in Providence.

Bryant University students have many opportunities for cultural and artistic experiences. The Rhode Island School of Design Museum and several other galleries offer collections of art treasures. The Rhode Island Philharmonic Orchestra, the Rhode Island Festival Ballet, and Trinity Repertory Company present programs of outstanding artistic merit. The nationally acclaimed Providence Performing Arts Center presents a wide assortment of Broadway shows, and Providence's civic and convention centers host attractions ranging from college basketball and professional hockey to rock concerts and festivals.

Students who attend summer sessions can take advantage of Rhode Island's many famous summer resorts. The University is less than an hour's drive to Narragansett Pier and Watch Hill, with their miles of sandy beaches. Newport, noted for its music festivals, scenic ocean drives, and elegant mansions, is only 40 miles away. Boston, less than an hour away, is the home of internationally famous universities, high tech industries along Route 95/128, and exceptional cultural and recreational attractions from the Red Sox, Patriots, Celtics, and Bruins to the Boston Symphony Orchestra and Museum of Fine Arts.

Employee Directory | Bryant University

Employment for Students

The Office of Financial Aid provides students and their families valuable information regarding financial assistance to meet college expenses. It administers all the University's scholarship, grant, loan, and student employment programs. Refer to the financial aid section for further details.

Student employment opportunities provide a means of defraying incidental costs while they are enrolled in college. Students working on

campus during the fall and/or spring terms work about eight to twelve hours per week and earn approximately $1,600 annually, on average.

Full-time undergraduate students with work-study awards based on financial need are given hiring priority for all on-campus jobs. Students are paid an hourly wage (not less than the current mandatory minimum) that reflects experience and the skills experience required to do the job.

The library, the athletic department, the faculty and the administrative offices are among the many areas hiring work-study students. These part-time employment opportunities can serve as valuable experience in the career planning process.

The Office of Financial Aid also helps full-time undergraduate students to secure part-time employment ***off campus*** by locating and developing job opportunities for work-study eligible students. A limited number of positions in nonprofit agencies are available to students who qualify for Federal Work-Study funding. Every effort is made by supervisors to structure work schedules that will accommodate each student's daily class schedule during the fall and spring terms. The office also provides information about ***summer*** employment opportunities for students, many of which can be full-time.

Health Insurance

Bryant University requires that all full-time students provide documentation of health insurance by providing a copy of their insurance card through the Medicat portal. It is the student's responsibility to contact their insurance plan prior to coming on to campus to ensure adequate coverage. This is especially important for those with insurance plans outside of Rhode Island. Student Accident and Sickness Insurance is available for full-time students to purchase.

Federal regulations give the University the right to require international students to purchase health insurance. An insurance fee will be included in the tuition bill of international students unless the student fills out a waiver form and provides proof of their own comparable insurance.

Health Services

Location: Barrington House
Phone: 401-232-6220
In the event of an emergency or when Health Services is closed, EMTs are available through the Department of Public Safety at 401-232-6911.
Website: Health Services
Hours of Operation: Monday through Friday 8:30am – 4:30pm

Health Services is a nurse practitioner run clinic that adheres to federal and state law and endorses the guidelines of the American College Health Association, the Rhode Island Department of Health and the Centers for Disease Control and Prevention. Care is provided by full-time Certified Nurse Practitioners. Clinical components of the Health Services program include the treatment of illnesses and injuries, sexual health care, women and men's health care, laboratory services, immunizations, and referrals as appropriate. All health care and medical records are considered confidential, and family members are notified only in the event of a life-threatening accident or illness. Health Services does not provide written excuses for missed classes, exams, or work, due to illnesses, nor do they provide documentation of visits to Health Services.

Required Health Forms for Incoming Students

In compliance with Department of Health regulations, all new, full-time students are required to provide an up to date physical and immunization record as well as additional incoming health information. These forms can be accessed on the Student Health Portal at my.bryant.edu.

All students must be in compliance with the Health Services required forms and immunizations, or course registration cannot be completed.

INTERCULTURAL CENTER

Location: Fisher Student Center, 2nd Floor
Phone: 401-232-6946
Website: Intercultural Center

The Intercultural Center (ICC), part of the PwC Center, is a welcoming space for all members of the Bryant community. While it focuses on supporting international and multicultural students, all students are welcome to join its events, programs, and use its resources. The ICC encourages dialogue, enhances cultural understanding, and serves as a key campus resource for multicultural and international topics.

Since its founding in 1977 to serve a small, primarily black student population, the ICC at Bryant University has grown into a dynamic hub for international and multicultural engagement. Today, professional educators at the ICC mentor and advocate for diverse students, helping them navigate their academic journeys while promoting cross-cultural understanding across campus. They work closely with faculty and administration to foster an inclusive environment that values and celebrates global perspectives.

The ICC organizes events that honor cultural heritage months, showcasing the vibrant diversity within the Bryant community. For many students, it serves as a supportive "home away from home"—a place to connect, learn, and belong. Additionally, the ICC advises two major student organizations: the Multicultural Student Union and the International Student Organization.

The primary programs of the ICC are 4MILE@bryant (Multicultural and International Leadership Experience), International Education Week, Celebration of Heritage Months, Global Community Hour & Global Community Building, Annual PwC Center Awards Banquet/4MILE@bryant Recognition Ceremony.

Housed within the ICC, the Office of International Students and Scholars (OISS) provides specialized services to support international students in achieving their personal and academic goals. OISS offers individual advising on immigration regulations; however, it is ultimately the student's responsibility to understand and comply with all applicable U.S. laws and regulations. This site is designed to serve as a resource for Bryant University's international students, offering up-to-date information on immigration requirements and relevant legislation.

For international students seeking information regarding:

- I-20
- F1 Visa Employment Guidelines
- Driver's License

- Social Security Number
- Cadivi Letters

Please contact oiss@bryant.edu with any additional questions.

International Dimension

In addition to the International Business degree, academic departments offer student programming on international topics. There are also undergraduate study abroad and international internship opportunities. Out of the classroom, a variety of forums and programs focusing on international themes are regular parts of the international experience at Bryant University. Students and faculty at Bryant University are geographically diverse. Representing more than 50 countries, they bring the benefits of a wide range of backgrounds to Smithfield

DOUGLAS AND JUDITH KRUPP LIBRARY

Location: George E. Bello Center for Information and Technology
Phone: 401-232-6125
Website: Douglas and Judith Krupp Library

Services Include

- Professional research assistance on site or: BRYANT APP Ask A Bryant Librarian; VOICE 401-232-6299; EMAIL refdesk@bryant.edu; TEXT 401-595-7306; CHAT library.bryant.edu.
- Assistance on the use of all print and electronic library resources
- 24/7 campus wide and off campus access to library resources
- Research Guides and helpful videos
- Academic and leisure print and e-books, board games and puzzles available for loan.
- Physical and electronic course reserve readings
- Interlibrary loans and self-initiated book requests via the library catalog
- Access to other RI academic and research libraries
- Circulating books may be borrowed for 4 weeks, Electronic self-renewals available.
- Laptops, battery chargers, monitor cables, calculators, and more available for loan.
- Access to study rooms for group projects.
- Scanning and printing available
- 3D-printer, Cricut, VR headsets, Sewing machine available.

For more info on all of the above, visit the Krupp Library.

NUTRITION COUNSELING

Location: Barrington House, Health Services office
Phone: (401) 232-6221
Website: Nutrition Counseling

Making the transition to college life requires many adjustments including choosing the best food options for optimal health. The Nutrition Counseling provides students with one-on-one consultations related to making good food choices and improving eating habits for better health, more energy, and an overall sense of wellbeing as they navigate the many challenges of college life. Students can schedule private counseling appointments with a Registered Dietitian and Licensed Nutritionist by calling 401-232-6221 or emailing cbrock@bryant.edu.

The mission of the Health and Nutrition Educator is to provide students with the nutrition knowledge and skills they need to be the healthiest version of themselves.

PRIDE CENTER

Location: Fisher Student Center, 2nd Floor
Phone: 401-232-6470
Website: Pride Center

The Pride Center provides a safe and supportive space for all members of the Bryant community to explore and engage with issues related to sexual orientation, gender identity, and allyship. Through educational programs, social events, and resources, the Pride Center offers support and information related to LGBTQ+ topics and connects individuals with organizations dedicated to fostering inclusivity and understanding.

As part of the PwC Center, the Pride Center is open to all members of Bryant to explore topics related to gender and sexuality. Our center is proud to offer the Safe Zone program to all students, faculty, and staff at Bryant University, fostering a more open, affirming, and supportive environment for LGBTQ+ individuals and their allies. The Pride Center collaborates with Bryant Pride and other student organizations dedicated to representing and supporting the LGBTQ+ community and its allies, both on the Bryant campus and beyond.

Additionally, the Pride Center offers a variety of resources to both the Bryant and local community. Please feel free to stop by for materials or information regarding hotlines, programs, organizations, films, or literature related to gender and sexuality issues.

The Safe Zone program at Bryant University is open to all faculty, staff, and students who are interested in fostering a supportive, inclusive, and affirming environment for LGBTQ+ individuals and their allies. The program provides education on a range of topics, with a focus on understanding biological sex, gender identity, and sexual orientation. Safe Zone participants will gain valuable knowledge and skills to support their development as advocates and allies, helping to create a more inclusive and safe campus community.

SECURITY - PUBLIC SAFETY (DPS)

At Bryant, we are committed to your safety. The Department of Public Safety is available 24 hours a day. Bryant's combination of location and commitment to keeping students safe makes the University one of the safest campuses in the United States. Students who wish to have a DPS staff member escort them to and from any location on campus can call 401-232-6001 to arrange for this service.

Business (401) 232-6001

Information (401) 232-6002

Emergencies (401) 232-6911

GERTRUDE METH HOCHBERG WOMEN'S CENTER

Location: Fisher Student Center, 2nd Floor
Phone: 401-232-6854
Website: Women's Center

The Gertrude Meth Hochberg Women's Center at Bryant offers education for the entire Bryant community about issues that affect women, both on and off-campus. Annual events celebrate the contributions of women at Bryant, and around the world, and provide a forum for discussing issues facing women in business and society.

The Hochberg Women's Center is committed to enhancing the quality of life for the community of women at Bryant University. It is a resource for students, faculty, and staff to gather and engage in intellectual discussion, and work toward the full participation of women in the life of the University.

The Women's Center supports the mission of Bryant University by

- Providing resources and support to the increasing number of women students on campus
- Organizing programs geared toward increasing women's awareness like Women's HERstory Month
- Participating in International Education Week
- Collaborating with faculty and student organizations to strengthen co-curricular education and foster a student-centered learning environment.

VETERANS AFFAIRS

Bryant University is proud to work with students who are eligible to receive benefits through the military. Visit the Veterans section of the Registrar's page for more information. A military lounge for veterans and ROTC students is located in the lower level of the Koffler Building.

Special Programs of Study

Bryant University has been a leader and innovator in preparing its graduates for business and professional careers since it was founded in 1863.

Continuing its long tradition of producing superbly qualified graduates, Bryant is committed to preparing its students to be accomplished professionals with multiple career options. This objective is accomplished through a carefully crafted curriculum that promotes cross-disciplinary thinking by blending business, liberal arts, and technology. The Bachelor of Science in Business Administration degree offers twelve business concentrations and all students in business administration are required to complete a minor in either the College of Humanities and Social Sciences, or in the College of Health and Behavioral Sciences. Bachelor of Science degrees are also available in Data Science, Entrepreneurship and International Business, which offers nine business concentrations and requires a foreign language minor as well as an international experience.

The College of Humanities and Social Sciences offers two degrees: A Bachelor of Arts and a Bachelor of Science. The Bachelor of Arts has majors in Arts and Creative Industries, History, Literary and Cultural Studies, Politics and Law, Sociology & Anthropology, Spanish and Sports Industries, Media & Promotion. The Bachelor of Science has majors in Actuarial Mathematics, Applied Mathematics and Statistics, Business Economics, Communication, and Digital Communication. All Humanities and Social Sciences degrees require students to complete a business minor.

The College of Health and Behavioral Sciences a degree in Bachelor of Science in the following areas: Biology, Exercise and Movement Science, Health Sciences, Health Informatics, and Psychology.

All College of Health and Behavioral Sciences students complete a business minor.

*Health Informatics students can choose a minor in Business, Humanities and Social Sciences or Health & Behavioral Sciences

Bryant University offers a cross-departmental Bachelor of Science in Applied Artificial Intelligence Degree. Students in this degree must chose a concentration in Actuarial Mathematics, Applied Statistics, Biology, Digital Marketing, Economics, Finance, Health Management and Strategy, Health and Wellness, Leadership and Talent Management, Marketing, Media and Cultural Studies, Psychology or Team and Project Management and then a minor from a different college then their concentration.

Academic Internships and Practica

Bryant University offers students the opportunity to combine significant work experience with academic study through internships and practica. Such opportunities recognize the value of work-integrated learning and critical reflection as an important educational avenue. Internships and practica are arranged with employers representing a variety of industries and career opportunities.

There are several internship offerings available, including:

- Internships for Academic Credit
- Transcript Notation Internship

In internships receiving academic credit, students' learning is assessed by faculty as a one, two, or three-credit elective course resulting in a letter grade. Credits are offered based on the total number of hours completed in the internship, as follows:

- 0 Credit (Transcript Notation) = 80+ hours = EXE 102
- 1 Credit= 40+ hours = EXE 201
- 2 Credit= 80+ hours = EXE 301
- 3 Credit= 120+ hours = EXE 401

In a Transcript Notation Internship, no academic credit is awarded. Instead, students receive an official notation on their transcript and complete reflective assignments to ensure the rigor of their experience and applicability to their academic program. Transcript Notation Internships encompass at least 80 hours at the internship site and must span across at least 4 weeks. Students participating in these internships are supervised by staff in the Amica Center for Career Education and receive the notation on their transcript only if all requirements are completed satisfactorily.

Practica are valued at six-, nine-, or twelve-credits as determined by the Department Chairs in specific areas of study. Resources are provided by the Amica Center for Career Education to meet specific student interests

and provides the opportunity for career exploration, both nationally and internationally.

Student eligibility varies depending on the type of internship or practica experience pursued.

General Internships for Credit (EXE):

Are graded on a pass/fail basis and **cannot fulfill a major/minor requirement**.

The following eligibility criteria applies:

- Must have Sophomore Standing (minimum of 30 credits completed)
- Must be in good academic standing- requiring a minimum overall GPA of 2.0.
- International students: In order to comply with the established visa policies and rules as described in the Code of Federal Regulations, international students are subject to additional eligibility requirements in order to complete a transcript notation internship. Specifically, there are three requirements that must be considered:
  - the internship must be an integral part of the established curriculum for the program of study the student is pursuing
  - the alignment between the internship opportunity and the student's major must be verified to establish its applicability to the student's educational experience; and
  - the student must have completed one full academic year prior to doing the internship and must have been physically present in the United States during that academic year.

Internship Credit—Multiple Internships with Same Employer

Students may not receive academic credit for completing an internship with the same employer in the same or a substantially similar position more than once. To be eligible for additional internship credit with the same employer, the subsequent experience must involve new learning opportunities and materially different responsibilities that expand the student's professional skills and knowledge beyond the prior internship. Approval for repeated internship credit with the same employer will be determined based on documentation of the distinct role, duties, and learning outcomes, subject to review by the designated Internship Coordinator and academic department.

Internships in a Specific Department:

The following eligibility criteria applies:

- Must complete a minimum of 60 credits.
- Must be in good academic standing—requiring a minimum overall GPA of 2.0.
- Must have established a major/concentration GPA of 2.0 or better to apply for an internship in a major/concentration area of study, except for the Finance and International Business departments requiring a minimum overall GPA of 2.5.
- Must have established a minor GPA of 2.0 or better to apply for an internship in a minor area of study.
- Must meet all prerequisites for the internship as determined by the specific academic department and stated in the course description located in the course catalog (course elective listed as 391, 450, or 491).
- Transfer students must complete one full regular term of study at Bryant University to establish a GPA prior to applying for an internship or practicum opportunity.
- International students: In order to comply with the established visa policies and rules as described in the Code of Federal Regulations, international students are subject to additional eligibility requirements in order to complete a transcript notation internship. Specifically, there are three requirements that must be considered:
  - the internship must be an integral part of the established curriculum for the program of study the student is pursuing
  - the alignment between the internship opportunity and the student's major must be verified to establish its applicability to the student's educational experience; and
  - the student must have completed one full academic year prior to doing the internship and must have been physically present in the United States during that academic year.

Transcript Notation Internships:

The following eligibility criteria applies:

- All class years are eligible*, but first year students may not complete a transcript notation internship during their first semester at Bryant University.
- Must be in good academic standing- requiring a minimum overall GPA of 2.0.
- Transfer students must complete one full regular term of study at Bryant University to establish a GPA prior to applying for an internship or practicum opportunity.
- Students may only complete one transcript notation internship during their academic career at Bryant University.
- The Transcript Notation Internship cannot be used as a replacement for curriculum required internships.
- International students: In order to comply with the established visa policies and rules as described in the Code of Federal Regulations, international students are subject to additional eligibility requirements in order to complete a transcript notation internship. Specifically, there are three requirements that must be considered:
  - the internship must be an integral part of the established; curriculum for the program of study the student is pursuing
  - the alignment between the internship opportunity and the student's major must be verified to establish its applicability to the student's educational experience; and
  - the student must have completed one full academic year prior to doing the internship and must have been physically present in the United States during that academic year.

Preparation:

Must meet with an academic advisor in the Undergraduate Advising Office to discuss eligibility and receive an internship enrollment form prior to starting the internship.

A maximum of nine credit hours of any combination of internships and practica receiving academic credit may be applied to fulfill degree requirements; a maximum of three credit hours may be applied to fulfill requirements in a major/concentration or minor area of study. All academic internships are reviewed and approved by the appropriate academic department chair. Each intern works with a faculty supervisor and is awarded a grade based on learning objectives and work performance. The internship site employer provides training and

supervision during the course of the academic internship and provides performance evaluations to the student and faculty supervisor. Eligible students are allowed to do one internship or practicum for academic credit per regular term. Students may complete up to 6 credits of internship during a summer term.

Internships and practica may be taken as part of the regular term course load during the fall or spring terms, usually at no added tuition costs to the student. When taken during the winter or summer terms, internships and practica Internships that are not successfully completed will count toward the 6-credit total. **The six credits of tuition-free summer internships benefit does not apply to internships conducted in partnership with external third-party organizations.

The Washington D.C. Internship Program

Eligibility: Must Complete a Minimum of 75 Credits; Minimum Overall G.P.A. of 2.75

Bryant University has partnered with The Washington Center for Internships and Academic Seminars in Washington D.C. to provide supervised internships in business, government agencies, for-profit or nonprofit sectors as well as in international organization in DC. Internships are available in all degree programs, concentrations, and minor area of studies. The program is offered in the summer (10 weeks, 9-credits), and fall and spring terms (15 weeks, 12-credits). Internship placement and housing is provided.

The Washington Center places students in businesses, government agencies, nonprofit and international organizations based on student's academic studies, career goals and interest. The program consists of the following components:

- a supervised internship that provides substantive projects and tasks that develop skills and knowledge within a profession,
- one evening course related to student's concentration or minor area of study,
- participation in LEAD colloquium program to include:
  - lecture series featuring decision makers in business, government and non-profit organizations
  - civic engagement project
  - profession track workshops with peers pursuing similar career paths

The Washington Center opportunity is an **external third-party internship experience** and is not administered as an internal, campus-based program. Students participate through an approved off-campus organization and must meet all requirements set by the host site.

Students are responsible for **all costs associated with participation**, including but not limited to tuition for the internship courses, any additional required coursework, housing, transportation, and personal living expenses. Participation in this program does not imply coverage of these costs by the institution.

Information Systems/Data Science Practicum

The Information Systems and Analytics academic department offers a six-month, full-time paid internship program earning 9 credits (summer-fall or spring-summer time period). Second term sophomores and juniors may apply after meeting with the ISA Department Chair and discussing eligibility with an academic advisor in the Undergraduate Advising Office. Minimum requirements are the completion of 45 credits and a minimum overall GPA of 3.0.

Directed Study Programs

1. A directed study course is an independent, in-depth study or research project pursued by a student. It involves working individually under the direction of a supervising faculty member with the approval of the appropriate department chair and college dean.
2. The topic to be studied must be submitted by the student to the supervising faculty member for approval prior to or at the start of the term.
3. The topic to be studied should explore a subject beyond its treatment in an advanced level course in the University curriculum.
4. The student's ability to define a problem and investigate it thoroughly (through intensive study that leads to the preparation of a well-researched paper) will be central to his/her success in any directed study course.
5. Students are limited to one directed study per term and a maximum of two directed studies during their Bryant career.
6. Directed studies cannot be used as substitutes for Bryant courses in the catalog.

Study Abroad

At Bryant, students learn to compete in a global economy. And there is no better way to learn about the world than to study abroad.
Bryant's study abroad opportunities include a short-term experience, academic term programs (semester, winter, or summer) and travel components with selected academic courses. Students have the chance to become proficient in another language, begin to cultivate a global perspective, and take courses unique to a location and/or culture, while enjoying experiences in a different culture.
Bryant offers sponsored study abroad programs in most regions of the world, through partner relationships with the following organizations:

API (Academic Programs International) sponsors university-affiliated programs in a variety of locations around the world. Approved API programs may include the following: Argentina, Bhutan, Chile, China, Croatia, Cuba, Costa Rica, England, France, Hungary, Iceland, Ireland, Italy, Japan, Poland, Portugal, Scotland, South Korea, Spain, and UAE. API also offers internship programs in a variety of cities around the world.

Arcadia University: The College of Global Studies sponsors university affiliated programs in a variety of locations around the world. Approved Arcadia programs are in Australia, England, Ireland, Italy, New Zealand, Norway, Scotland, Spain, and Wales. Arcadia University also offers internship programs in a variety of cities around the world.

CIEE (Council on International Education Exchange) sponsors more than 109 university affiliated programs throughout the world. Approved programs with CIEE may include the following: Argentina, Botswana, Brazil, China, Chile, Costa Rica, Czech Republic, Dominican Republic, France, Ghana, Japan, Jordan, Korea, Morocco, Netherlands, Portugal, S. Korea, and Spain. CIEE also offers internship programs in a variety of cities around the world.

HOP Education Abroad sponsors university-affiliated programs in a variety of locations around the world. Approved HOP programs may include the following: Australia, New Zealand, Figi, South Korea, Thailand, England, Italy, Spain, Hungary, and Estonia.

IAU College (The Institute for American Universities) provides students with academic programs in Southern France, Spain, Morocco, and Italy for a semester or summer. IAU is one of the few study abroad programs in France, to offer coursework in English and for three credits. In addition, they offer internships to students with an advanced level of French.

IES (Institute for the International Education of Students) sponsors university-affiliated programs in a variety of locations around the world. Approved IES programs may include the following: Argentina, Austria, Chile, China, Ecuador, European Union, France, Germany, Italy, Japan, Morocco, and the Netherlands.

WorldStrides sponsors several university-affiliated programs in a variety of locations around the world. Approved programs may include the following: Australia, New Zealand, Fiji, Japan, China, South Korea, Singapore, Vietnam, Thailand, Argentina, Brazil, Chile, Costa Rica, Dominican Republic, Peru and Spain. WorldStrides also offers internship programs in a variety of cities around the world

International Business (IB) Study Abroad Requirement

A hallmark of the International Business (IB) degree is the opportunity to gain firsthand global experience. All IB students are required to complete at least 12 credit hours abroad, immersing themselves in a different cultural and academic environment. Through study abroad, students deepen their understanding of international business practices, develop valuable cross-cultural communication skills, and gain the global perspective needed to succeed in today's interconnected marketplace. This transformative experience brings classroom concepts to life while fostering personal growth, adaptability, and cultural awareness.

Direct Partner Opportunities

Each year, Bryant adds more direct partnership opportunities to its available study abroad options. This means that you will enroll at a partner university, where you can take courses that fulfill your degree requirements. The direct partner programs are a more immersive experience that enables you to meet more students from around the world.

In addition, the direct exchange billing works differently, so you will only pay Bryant tuition (financial aid still applies). For most programs, housing and meal options are paid directly to the partner program, so there may be a possibility to find a program that is more affordable for you. Visit the Study Abroad Office to learn more about the options available.

Currently, the Study Abroad Office has direct partners in England, Ireland, Scotland, Italy, Germany, South Africa, Turkey, India, and South Korea.

Student Fees for Study Abroad Programs 2026-2027

Study Abroad participants are charged the same rates that a traditional Bryant University student would be assessed if they were studying on campus, unless the total charge at the host institution abroad exceeds the comparable charges at Bryant University. Students are billed directly by Bryant University and are expected to make payments on the traditional billing due dates (August for the fall term and January for the spring term).

Application Fee:

- On Bryant approved programs, Bryant pays the application fee.

Deposit Fees:

- Upon acceptance, the confirmation deposit will be paid directly by Bryant University

Security/Refundable Deposits:

- Students participating in a program through WorldStrides will be responsible for their own refundable security deposit. The provider will directly bill the student for the refundable security deposits; the student is expected to pay that out of pocket.

Fees:

Below are the 2026-2027 regular term costs for study abroad participants:

Fees

Item	Cost
Tuition	$27,467.00
Room*	$5,785.00- $8,31800**
Meal Plan*	$3,292.00 - $3,900.00
Study Abroad Fee	$515.00
Additional Expenses (not charged by Bryant)	$5,000 - $7,000+
*Varies based on program location	

**The University will pay up to $8,318.00 in housing costs to the host institution. If a student chooses a housing option that exceeds that cost, the student will be billed and is responsible for paying the difference.

Tuition

The tuition rate is the cost of a traditional regular term of study at Bryant University. Tuition may vary depending on the student's catalog year and financial aid package. However, if the total charge at the host institution abroad exceeds the comparable charges at Bryant University, a surcharge equal to the difference between the two costs will be assessed to the student's account.

Room

The room rate for study abroad participants depends on the type of housing provided. For dorm-style housing similar to Bryant University's, the cost is $5,785.00 (double) or $7,560.00 (single). For townhouse-style housing, the cost is $7,038.00 (double) or $7,5,60.00 (single). API's "Comfort" accommodation starts at $8,318.00, with any additional cost being the student's responsibility.

In cases where housing differs from Bryant's on-campus options, students must cover the difference between the town-house rate and the host institution's housing cost, with the University covering up to $7,560.00. Any housing costs exceeding this will be billed to the student. Additionally, the host institution may charge a surcharge for extra services (e.g., telephone, internet, linens, cleaning), which may be billed after the semester begins.

Meal Plan

Depending on the program, a student may receive meals (e.g., home-stay accommodation), have the option to purchase meals on their own (i.e., self-catered), or participate in a meal program at the university they are attending abroad. If they participate in the meal program abroad, or are receiving meals through their housing option, a fee of $3,292.00 - $3,900.00 will be assessed to their Bryant University account, depending on the number of meals they are receiving abroad. Since the meal plan is optional in some locations, and is not typical at most institutions, additional fees do not apply to every student. Meal plan charges will not be on your initial billing statement. If Bryant is notified by the host institution of meal plan enrollment and/or additional fees, you will be notified via your Bryant University email address that an updated Electronic Bill (E-Bill) is ready for viewing.

Host Family Accommodations

Bryant students are billed at the Bryant University on-campus residence hall living for host family accommodations for $5,785 (double). A student will be assessed a meal plan fee of $3,292.00 - $3,900.00 to their Bryant University account if they are receiving 1-3 meals per day in their homestay accommodations. Meal plan charges will not be on your initial billing statement. If Bryant is notified that your homestay includes 1-3 meals per day, then you will be notified via your Bryant University email address that an updated Electronic Bill (E-Bill) is ready for viewing.

Additional Expenses

Additional expenses are any supplemental costs of the program and are billed directly by the program provider or paid directly by the student. The amounts listed are estimates based upon amounts experienced by past participants. The actual costs may vary. Such expenses may include, but are not limited to, R/T airfare, VISA processing fee, health insurance fee, cell phones, health club memberships, local transportation, cleaning fee, bed-linen fee, etc.

Withdrawal Policy

Bryant University disburses money to the study abroad providers when a student commits to the program and before the program abroad commences. There is a threshold date after which no funds are returned to the University for a withdrawal, which is why you are responsible for reviewing the program provider's refund policies. If a student decides to withdraw from the program abroad, after they have committed to the program, the student is responsible for any non-refundable costs from the program provider. Furthermore, if a student leaves a program, whether voluntarily or not, he/she should not expect refunds for any unrecoverable costs; leaving a program may include, but is not limited to, these reasons: academic dismissal, student conduct violations, civil unrest, epidemics/ pandemics, and natural disasters.

Billing Questions

All study abroad billing inquiries should be addressed to the Bryant University Bursar's Office at (401) 232-6030. Please Note: Students will initially be billed the Bryant University rates. Once Bryant University is billed by the host institution, any appropriate adjustments are made to the student's account, and the student will be notified via Bryant University email address that an updated Electronic Bill (E-Bill) is ready for viewing.

Coursework and Credit

- Written pre-approval (course contract) from a Bryant University Undergraduate Advisor is required for coursework taken at the Host Institution if transfer credit or Financial Aid is to be awarded.
- For students on Financial Aid, written pre-approval for all coursework to be taken at the Host Institution is required by a Bryant University Financial Aid Officer.
- A "C" grade or better (or the equivalent of "C" grade or better as determined by a Bryant University Study Abroad official) is required if transfer credit is to be awarded.
- Grades earned at the Host Institution appear on the Bryant University transcript with no quality points. Grades are not calculated in the Bryant University GPA. Course credits are added to the total credits earned.

Study Abroad Eligibility

• Bryant students must have a minimum cumulative GPA of 2.75 at the time of application and must maintain it during the term prior to studying abroad. Students who fall below a cumulative 2.75 GPA are no longer permitted to study abroad and must withdraw from the program.

• Good standing at Bryant University is a requirement for participation in all Study Abroad programs.

• Students are responsible for meeting all deadlines as posted by Bryant University and the Host Institution.

• Financial obligations must be fulfilled.

• Students must have completed 30 credit hours at Bryant University before beginning the study abroad process (exceptions can be made for 3+1 students on Undergraduate Advising's recommendation).

• Transfer students must complete one full regular term of study at Bryant University to establish a GPA prior to applying for a study abroad semester program.

Faculty-led Programs

Bryant offers several short-term and/or faculty-led programs every year. There are summer courses or semester courses that require an early start / end of term travel component. Students can earn three academic credits while spending 14-21 (estimate) days overseas. The semester, faculty-led courses travel four times a year: August, January, Spring Break, and May. Costs, fees, and eligibility for these programs differ from other study abroad programs. Details about this program can also be viewed at https://info.bryant.edu/study-abroad

Faculty-led Eligibility

- Students must be going into their sophomore year at Bryant OR have at least one's semester's worth of a Bryant GPA, if they transferred in the previous academic year;
- Students must meet the program's required GPA;
- Good academic, financial, and judicial standing at Bryant University is a requirement for participation in all faculty-led programs.

Faculty-led Payments

Bryant does not bill for faculty-led programs; students must make deposits for these programs through the Student Account Center. Students can access the payment dates on the Study Abroad website located in the Bryant portal. Questions regarding payments should be addressed to the Bryant University Bursar's Office at (401) 232-6030.

Faculty-led Refund & Cancellation Policy

The $500.00 application deposit is non-refundable unless the University is unable to place the student in a program or if s/he withdraws before being formally accepted into the program. In addition, depending on when a student requests to withdraw from a program, the student may still be responsible for the full cost of the program. Therefore, students should be certain that they intend to participate in the program when they apply. Part of the faculty-led application process includes information on the withdrawal/cancellation policy that must be accepted to apply.

The Honors Program

The nationally distinguished *Bryant University Honors Program* offers its students a personalized, distinctive path, with the objective of enriching their academic, social, cultural, and professional experiences.

Academically driven students with a proven record of achievement are invited to join the program. These exceptional individuals, coupled with dedicated faculty, comprise a community of scholars who are committed to pursuing academic excellence in a mentor-driven environment. In addition to a focus on academic excellence, the four-year program also cultivates a sense of civic responsibility and hones key leadership skills. Through a commitment to scholarship, service, success, and self-awareness, the program creates an environment that sparks students' curiosity – and enhances both your personal life and professional future.

A large number of courses have been designed specifically for The Honors Program. While some of the Honors courses are adapted from standard courses and others are developed around unique topics, *all* are enhanced by rigor, research, and intellectual discourse extending beyond the typical coursework. These honors-designated courses are intentionally smaller in class size to afford students opportunities to interact with peers and professors. Successful completion of seven Honors courses and an Honors Thesis culminates in the student being recognized as an Honors Program graduate, a distinction noted on the student Bryant University diploma *and* official academic transcript.

As a member of the Bryant Honors Program, you will also have the opportunity to build relationships with upper-class honors students and faculty members, explore other countries, earn Honors credits, and foster global citizenry through opportunities such as faculty lead abroad programs and the semester-long study abroad programs, serve on the Student Honors Council, register early for classes, hear from and interact with a diverse range of nationally recognized speakers, and participate in the Honors Senior Trip.

ELIGIBILITY

Generally, students are invited to the program when they are accepted to Bryant. The invitation is based on academic achievement and leadership.

Incoming students who were not initially invited to join the Honors Program upon the admission offer to Bryant can also petition to join the Honors Program before starting their studies. The petition must be submitted to Marcia Beaulieu, the Honors Program Coordinator, at mbeauli@bryant.edu and include the following:

1. a cover letter explaining why you want to join the program
2. your resume
3. your high school transcript
4. a writing sample
5. two high school faculty references. Applications must be received at least 45 days before the start of the academic year at Bryant University.

Bryant students who have completed at least one semester of coursework can petition to join the Honors Program. A petition must be submitted to Marcia Beaulieu, the Honors Program Coordinator, at mbeauli@bryant.edu and should include the following:

1. a cover letter explaining why you want to join the program
2. your resume
3. your unofficial Bryant transcript

In addition, the candidate must ask two Bryant faculty to submit letters of recommendation via email to Marcia Beaulieu at mbeauli@bryant.edu.

GRADUATION CRITERIA

To graduate from The Honors Program, students must complete seven Honors courses *and* an *Honors Thesis*. These courses are integrated into overall degree requirements and are not extra course requirements. Students must also maintain an overall GPA of 3.40 to graduate with the "Honors" distinction.

The *Honors Thesis* is an original, in-depth research project conducted by a senior Honors student. Topics have included a wide range of research such as examining applications of machine learning in finance and economics, studying the DotCom bubble, exploring the social and political implications of Chilean street art, looking at the impact of parental mediation on media literacy, and writing an original novel.

Army ROTC Program

The ROTC Program is designed to train and qualify men and women for commissions as second lieutenants in the U.S. Army while they pursue an academic program of their choice. Bryant is one of more than 500 colleges throughout the U.S. dedicated to providing qualified military leaders for the United States Army while providing classroom and practical leadership training and experience. Courses in military science are part of the Army Reserve Officers' Training Corps (ROTC) Program, which is offered as part of the curriculum at Bryant University on a voluntary basis. Bryant students may take the first two years of the ROTC curriculum without any post-college obligation. Enrollment in the second two years of the program is subject to meeting specific qualifications and requires a post-college obligation as a commissioned Army officer. Two-, three-, and four-year, full-tuition ROTC scholarships may be available for qualified students. All ROTC courses are conducted at Providence College. Bryant students interested in ROTC at Bryant should contact the Patriot Battalion ROTC program at 401-865-2471.

Graduate Education

Graduate Programs

Bryant University offers graduate programs within the College of Business, the College of Health and Behavioral Sciences and the College of Humanities and Social Sciences.

Bryant University Mission Statement

Bryant University's mission is to educate and inspire students to discover their passion and become innovative leaders with character around the world.

College Of Business

The College of Business offers the following degrees:

- One Year Master of Business Administration with Specializations
- Two Year Master of Business Administration with Specializations
- Two Year Master of Business Administration Custom for Healthcare Organizations
- Master of Science in Accounting
- Master of Science in Accounting with an Analytics Specialization
- Master of Accounting with a Tax Specialization
- Master of Science in Applied AI
- Master of Science in Data Science and AI (DSAI)
- Master of Science in Taxation Online
- Online Master of Business Administration
- Certificate of Graduate Study in Applied Artificial Intelligence
- Certificate of Graduate Study in Business Analytics
- Certificate of Graduate Study in Health Informatic and AI Online
- Certificate of Graduate Study: Mini-MBA Online

College Of Health And Behavioral Sciences

The College of Health and Behavioral Sciences offers the following degrees:

- Doctorate in Clinical Psychology
- Master of Science in Physician Assistant Studies
- Master of Science in Healthcare Informatics and AI
- Certificate in Graduate Studies in Health Informatics and Artificial Intelligence

College Of Humanities and Social Sciences

The College of Arts and Sciences offers the following degrees:

- Master of Science in Actuarial Science - Online Program.

Information

For further information about the Graduate Program and its programs, write, call, or fax:

Graduate Programs
Bryant University
1150 Douglas Pike
Smithfield, RI 02917-1284
(401) 232-6230
Fax: (401) 232-6494
E-mail: gradprog@bryant.edu

Course Descriptions

Academic English Language (AEL)

AEL 100. Discourse Methods for International Students. 3 Credit Hours.
AEL100 is an academic support and language development course for international students. The course is designed to prepare students for the rigors of an American college classroom and to polish academic discourse. In this course, students will improve their overall abilities in both the receptive and productive aspects of language, as well as increase their understanding of expectations in an academic setting. Throughout the semester, students will work on effective communication, critical thinking, and informational literacy, while building a firm foundation for the use of academic and conversational discourse. AEL100 is also a support supplement to the content in courses in which students are concurrently enrolled.
Prerequisites: Permission of the instructor is required.

Accounting (ACG)

Courses

ACG 101. Accounting Careers. 1 Credit Hour.
This course presents a variety of business and accounting-related topics to rising high-school seniors during an intensive one-week residential session. Students will learn about the role of business, how to create a business plan, and how accounting can assist in managing a successful business.

ACG 203. Principles of Financial Accounting. 3 Credit Hours.
This course is designed to serve the needs of both accounting majors and students of other disciplines. As an introductory course, students will understand how fundamental Generally Accepted Accounting Principles drive the creation of financial information. Additionally, common uses of financial information for performance evaluation by internal and external decision-makers will be explored.
Pre/Corequisites: BUS 100
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

ACG 204. Principles of Managerial Accounting. 3 Credit Hours.
This course is designed to serve the needs of both accounting majors and students of other business disciplines. Students will explore how accounting information is used internally by management to determine product/service cost; understand cost behavior; plan, evaluate, and control operations; and make business decisions.
Prerequisites: ACG 203
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

ACG 301. Financial Reporting I. 3 Credit Hours.
This course addresses topics relevant to the financial reporting for creditors, investors, regulatory agencies, and other interested parties. The course emphasizes the conceptual development and application of reporting alternatives.
Pre/Corequisites: FIN 201
Prerequisites: Grade of "C" or higher in ACG 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 302. Financial Reporting II. 3 Credit Hours.
This course addresses topics relevant to the financial reporting for creditors, investors, regulatory agencies, and other interested parties. The course emphasizes topics such as pensions, leases, long-term debt, and stockholders' equity.
Prerequisites: Grade of "C" or higher in ACG 301
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 311. Cost Management. 3 Credit Hours.
This course is designed to reinforce, amplify, and extend some of the management accounting concepts and techniques introduced in ACG 204, Principles of Managerial Accounting. The course provides a basic understanding of various concepts and techniques used to identify, collect, measure, classify, and report information that is useful to managers for: (1) determining the cost of products, customers, suppliers, and other relevant cost objects; (2) planning and controlling; (3) making continuous improvement; and (4) decision making.
Prerequisites: Grade of "C" or higher in ACG 204 or ACG 320 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 315. Advanced Managerial Accounting. 3 Credit Hours.
This is an advanced management accounting course designed for those students who desire to expand their understanding of management accounting or financial management into the use of accounting information to create value in the organization. The course addresses recent innovations in management accounting including the balanced scorecard, strategy maps, strategic cost management for product and customer profitability analysis, lean manufacturing; quality costs, target costing, measuring and managing life-cycle costs, environmental costing, and the design and implementation of management control systems.
Prerequisites: Grade of "C" or higher in ACG 311 and MGT 200
Session Cycle: Fall
Yearly Cycle: Annual.

ACG 320. International Accounting. 3 Credit Hours.
In this course, students will investigate how financial reporting develops differently across geographic boundaries. Students will learn how the use of financial accounting information by different groups causes the focus of financial accounting to differ. They will also learn how different accounting rules will result in significant differences in published financial reports. This course is a required course for International Business majors and may be taken by accounting concentrators as an open elective only.
Prerequisites: ACG 203 and Sophomore Standing
Session Cycle: Spring
Yearly Cycle: Annual.

ACG 345. Accounting Information Systems. 3 Credit Hours.
This course provides students with (1) an understanding of accounting information systems theory and practice, (2) the knowledge to take advantage of new information technologies such as database management systems, decision support systems, expert systems, and telecommunications, (3) the skills to integrate both financial and non-financial information into a corporate information systems schema, (4) an exposure to a wide range of business, accounting, and auditing software packages, (5) the knowledge to assess controls, and (6) an understanding of systems analysis and design.
Pre/Corequisites: Grade of "C" or higher in ACG 301
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 350. Fraud Examination. 3 Credit Hours.
This course examines the causes and consequences of fraud as well as discusses the basic concepts and procedures involved in performing a fraud examination.
Prerequisites: Grade of "C" or higher in ACG 345
Session Cycle: Spring
Yearly Cycle: Annual.

ACG 351. Corporate Taxation. 3 Credit Hours.
In this course, accounting majors are introduced to topics in corporation taxation. Through problems and interpretation of tax law, students examine the taxation of corporations and their shareholders.
Prerequisites: Grade of "C" or higher in ACG 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 352. Individual Taxation. 3 Credit Hours.
This course examines the federal tax structure with an emphasis on the taxation of individuals. Topics covered in this course include income determination, exemptions, deductions, property transaction, and accounting methods. Tax planning opportunities are also explored.
Prerequisites: Grade of "C" or higher in ACG 203 and junior standing
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

ACG 353. Internal Auditing. 3 Credit Hours.
This course provides comprehensive coverage of internal auditing as both an assurance and advisory function within modern organizations. Students explore the International Professional Practices Framework (IPPF), the 2024 Global Internal Audit Standards, governance structures, enterprise risk management, and internal control frameworks including COSO. The curriculum emphasizes practical application through case studies covering operational, financial, compliance, and fraud audits while developing proficiency in data analytics and AI-enabled audit techniques. Students learn to plan, execute, and communicate audit engagements effectively while applying critical thinking and professional judgment to complex business scenarios. This course prepares students for diverse career opportunities in internal audit, risk management, compliance, and executive leadership, offering an attractive alternative to traditional external audit path. Students will gain competencies necessary to earn the Internal Audit Practitioner designation (Part 1 of the Certified Internal Auditor (CIA) designation).
Prerequisites: Grade of "C" or higher in ACG 204 and MGT 201 or MGT201G
Session Cycle: Every Spring Semester.

ACG 370. Personal Financial Planning. 3 Credit Hours.
This course addresses the issues involved in personal financial planning. Topics covered include investment planning, retirement planning, estate tax planning, and income tax planning.
Prerequisites: Grade of "C" or higher in ACG 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 381. Information Systems Controls and Audit. 3 Credit Hours.
This course covers IT auditing concepts applicable to a wide variety of environments. Theoretical constructs to be covered: (1) IT Environments and Components: hardware, software, networks, cloud and IOT. (2) the digital evidence gathering process, (3) IT risk & controls and their effects on the audit process, and (4) the influence of laws and regulations on the usage of IT in organizations. Students will learn about Information technology reviews as part of financial audits and certifications. The course will include applications of auditing of internal control systems, and the use of information technology to conduct various types of audit tests. Students will learn about careers in IT Audit and gain competencies necessary to earn the ISACA IT Audit Fundamentals Certificate.
Prerequisites: Grade of "C" or higher in ACG 204 and ISA 201
Session Cycle: Spring
Yearly Cycle: Annual.

ACG 391. Accounting Internship. 3 Credit Hours.
Supervised employment in an area of accounting that involves application of accounting concepts. Students must work on average ten hours per week, correspond periodically with the professor, and prepare a substantive report of the work experience. Limited to Juniors and Seniors. Approval of professor required.

ACG 442. Auditing Concepts Applications. 3 Credit Hours.
This course presents the basic concepts and procedures associated with an audit of financial statements. Topics covered include auditors' professional responsibilities, risk analysis, the nature and use of audit evidence, and audit data analytics.
Prerequisites: Senior standing and a grade of "C" or higher in ACG 302 and ACG 345
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 445. Data Analytics in Accounting. 3 Credit Hours.
Organizations create and collect massive amounts of data as result of their day-to-day operations. Frequently referred to as "Big Data" it represents an important asset for the organization. Big data presents both opportunities and challenges for accounting professionals. Understanding how to use data to formulate and solve business problems provides an opportunity for the accounting professional to become a forward thinking strategic partner in the organization. It can also help auditors design better risk-based testing procedures. The challenge for accountants is to develop the skill set needed to extract value from big data through advanced analytics. This course will challenge you to think critically about whether and how data can improve business performance, create opportunities, and/or identify risks.
Prerequisites: ACG 301 and ACG 345 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ACG 461. Financial Reporting III. 3 Credit Hours.
This course addresses topics relevant to the financial reporting for creditors, investors, regulatory agencies, and interested parties. The course emphasizes topics such as business combinations and consolidations.
Prerequisites: Senior standing and a grade of "C" or higher in ACG 302
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ACG 465. Governmental and Not-For-Profit Accounting. 3 Credit Hours.
This course is an introduction to the accounting and financial reporting principles of state and local governments, colleges and universities, hospitals, and other not-for-profit organizations. Students develop an appreciation for the special accounting, budgeting, and reporting needs of these organizations.
Prerequisites: Grade of "C" or higher in ACG 302
Session Cycle: Varies
Yearly Cycle: Annual.

ACG 471. Product/Service Costing. 3 Credit Hours.
This course concentrates on the design and measurement of costs in different types of operating environments. The impact of the new manufacturing environment on cost accounting procedures will also be considered.
Prerequisites: Senior standing and a grade of "C" or higher in ACG 311
Session Cycle: Varies
Yearly Cycle: Alternate Years.

ACG 497. Directed Study in Accounting. 3 Credit Hours.
This course is designed to permit the student to pursue an area of accounting of interest and concern. The work will be performed under the supervision of a faculty member who will design the program of study and the requirements to be met by the student. This course must be approved by the department chair based on the agreed upon plan of study.
Prerequisites: senior standing is required.

Actuarial Mathematics (AM)

Courses

AM 230. Actuarial Statistics I. 3 Credit Hours.
This is the first course in probability and statistics for actuarial students.Topics include sample spaces, probability rules, counting techniques, Bayes rule, random variables, probability distributions and density functions, expected values and moment generating functions, and special probability distributions and densities.
Pre/Corequisites: MATH 223
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AM 231. Actuarial Statistics II. 3 Credit Hours.
This course is a continuation of AM 230. Topics include transformation of variables; sampling distributions and order statistics, the central limit theorem; max likelihood estimates; method of moment estimates and hypothesis testing.
Prerequisites: MATH 223 and AM 230
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AM 332. Actuarial Statistics III. 3 Credit Hours.
This course is an applied statistics course for actuaries. It covers the topics necessary for analysis of data. Topics include: Hypothesis testing, chi-square tests, Analysis of Variance, Simple and Multiple Regression, Time Series and Index Numbers.
Prerequisites: AM 231 or MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AM 333. Advanced Probability. 3 Credit Hours.
This course is devoted to the study of distribution classes and credibility. It is designed to prepare actuarial students for many of the topics covered in Exam STAM given by the Society of Actuaries. The topics of study include Risk Measures, Distribution Families, Coverage Modifications, Frequentist and Bayesian Estimation, and Credibility Theory. This course includes both theoretical analysis as well as applied problems that arise naturally in the insurance industry.
Prerequisites: AM 231
Session Cycle: Fall
Yearly Cycle: Annual.

AM 340. Mathematical Interest Theory I. 3 Credit Hours.
This course includes the measurement of interest; accumulation and discount of money; present value of a future amount; forces of interest and discount; equations of value; investment return; inflation; annuities (simple and complex); perpetuities; amortization and sinking funds; yield rates; spot and forward rates; and bond pricing. This course is designed to help prepare the student for Exam FM.
Prerequisites: MATH 223
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AM 341. Mathematics of Finance, Insurance, and Pensions. 3 Credit Hours.
This course will review the mathematics of basic compound interest for determining the future amounts and present values of single and periodic investments. Advanced topics in the mathematics of finance will include complex annuities of fixed periodic amounts, annuities where the periodic payment amount increases arithmetically and/or geometrically, bonds, including duration analyses, investment rates of return, both dollar- and time-weighted, and reverse mortgages. Topics in the mathematics of insurance will include the development of mortality tables and computation functions for the determination of the present and accumulated values of life annuities, premium determination, and settlement payment options. Topics in the mathematics of pensions will include the mathematics of social security, defined benefit and defined contribution pension plans. Students receiving credit for AM 340 or AM 421 will not receive credit for this course.
Prerequisites: MATH 110 or equivalent
Session Cycle: Fall
Yearly Cycle: Alternate Years.

AM 342. Mathematical Interest Theory II. 3 Credit Hours.
This course, combined with Mathematical Interest Theory I, prepares students for Exam FM given by the Society of Actuaries. The topics cover fundamental actuarial theory as it pertains to interest and investments. This course includes mathematical valuation of securities and dividends; options, put-call parity, duration, evaluation and payoff and profit of derivative contracts, forwards, futures, and swaps. Additional topics include immunization and cash flows. This course not only helps the student prepare for Exam FM, but it also helps provide a cross-over in preparing for Exam IFM and 3F.
Prerequisites: AM 340
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AM 391. Actuarial Math Internship. 3 Credit Hours.
Actuarial mathematic internships give students the opportunity for supervised employment in an area where they can apply actuarial mathematic theories and principles. Interns work at least ten hours a week, meet periodically with supervising faculty member, do research on their field of employment, and prepare a substantive report on work experience and research.
Prerequisites: Junior standing and approval by a supervising faculty member and the department chair.

AM 393. Exam P Seminar. 2 Credit Hours.
The goal of this course is to help students synthesize content from AM 230 (and some content from AM 231) and apply that knowledge to solving actuarial problems such as those encountered in the context of Exam P. In addition this course will also develop students computational skills and tacit knowledge of problem-solving strategies needed to tackle these actuarial problems in an efficient manner. While additional study effort will be required, passing this course should put students on track for taking Exam P.
Pre/Corequisites: AM 231
Session Cycle: Spring
Yearly Cycle: Annual.

AM 394. Exam FM Seminar. 2 Credit Hours.
The goal of this course is to help students synthesize content from AM 340 (and some content from AM 342) and apply that knowledge to solving actuarial problems such as those encountered in the context of Exam FM. In addition this course will also develop students computational skills and tacit knowledge of problem-solving strategies needed to tackle these actuarial problems in an efficient manner. While additional study effort will be required, passing this class should put students on track for taking Exam FM.
Pre/Corequisites: AM 342
Session Cycle: Fall
Yearly Cycle: Annual.

AM 421. Life Contingencies I. 3 Credit Hours.
This course is a study of single life functions including the measurement of mortality; life annuities; life insurance; and net annual premiums. This course, in conjunction with AM 422, is designed to help prepare actuarial students for Exam LTAM given by the Society of Actuaries.
Prerequisites: AM 230 and AM 340
Session Cycle: Fall
Yearly Cycle: Annual.

AM 422. Life Contingencies II. 3 Credit Hours.
A continuation of AM 421, including net premium reserves; gross premium reserves including expenses; joint-life functions; contingent functions; compound contingent functions; reversionary annuities; and multiple decrement functions. The course provides a theoretical basis of contingent payment models and the application of those models to insurance and other financial risks. This course, in conjunction with AM 421, is designed to help prepare actuarial students for Exam LTAM given by the Society of Actuaries.
Prerequisites: AM 421
Session Cycle: Spring
Yearly Cycle: Annual.

AM 423. AI Application in Insurance. 3 Credit Hours.
This course explores the application of modern data analytics and Artificial Intelligence (AI) in the insurance industry. Structured into three modules, it begins with foundational skills in data handling and analysis, focusing on "big data" and advanced techniques like classification trees, cluster analysis, and neural networks. The second module applies these tools to risk management, including risk modeling, loss exposure analysis, and risk control. The third module focuses on insurance-specific applications such as underwriting, loss reserving, and ratemaking. Through hands-on projects, case studies, and collaborative learning, students develop critical thinking, quantitative analysis, and communication skills. Designed for Actuarial Mathematics majors and Business minors, this course bridges data science, AI, and insurance, preparing students for careers in a rapidly evolving industry.
Prerequisites: Sophomore Standing
Session Cycle: Every Fall.

AM 440. Actuarial Mathematical Models and Stochastic Calculus. 3 Credit Hours.
The primary goal of this course is to provide the student a background in the mathematics of stochastic processes, risk, and financial economics as it relates to actuarial models. The underlying foundation of this course is the mathematics and economics of the pricing of financial options. The course will cover the theoretical basis of corporate finance and financial models, and it will highlight the application of those models to insurance and other financial risks. Taking this course will make it possible for the student to prepare for the Society of Actuaries Exam IFM and the Casualty Actuarial Society Exam 3F.
Prerequisites: AM 342 or FIN 465
Session Cycle: Fall
Yearly Cycle: Annual.

AM 451. Pension Fundamentals. 3 Credit Hours.
This one-semester course is designed to introduce the student to the social security system of the United States and to various deferred compensation concepts including defined benefit, defined contribution, target benefit, and profit sharing pension plans. Both the accumulation and distribution of pension funds are discussed via annuities certain and life annuities. Appropriate aspects of the Internal Revenue Code which govern deferred compensation will be discussed.
Prerequisites: One of the following: MATH 129, AM 340 or AM 341 or FIN 312
Session Cycle: Fall
Yearly Cycle: Annual.

AM 471. Fundamentals of Property and Casualty Reserving. 3 Credit Hours.
The reserve for unpaid claim liabilities is a major item on the balance sheet of every property and casualty (P&C) insurer. Estimating this quantity is a core responsibility of actuaries. This course will cover basic mathematical and accounting concepts relating to reserving, the triangluar loss development, deterministic reserve projection methods (e.g., loss-ratio and Bornhuetter-Ferguson techniques), common diagnostic statistics, characteristics of different US P&C lines of business, and GLM-based stochastic reserving methods, that utilize bootstrapping.
Prerequisites: AM 332
Session Cycle: Spring
Yearly Cycle: Annual.

AM 481. Ratemaking. 3 Credit Hours.
This course will cover the basic techniques of property and casualty ratemaking. Ratemaking is corefunction of actuaries, and is a necessary tool for satisfying an organization's strategic, operational, and regulatory goals and requirements. This course will cover much of the material on the ratemaking portion of the syllabus for Exam 5 of the Casualty Actuarial Society (CAS).
Prerequisites: AM 231 and AM 340 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

AM 492. Advanced Actuarial Mathematics Seminar Exam LTAM. 2 Credit Hours.
The goal of this course is to help students synthesize content from the two life contingencies courses (AM 421 and AM 422), and apply that knowledge to solving actuarial problems such as those encountered in the context of the Society of Actuaries' Exam LTAM. In addition, this course will also develop the students' computational skills and tacit knowledge of problem-solving strategies needed to tackle these actuarial problems in an efficient manner. While additional study effort will be required, passing this course should put the student on track for taking Exam LTAM.
Pre/Corequisites: AM 422
Session Cycle: Varies
Yearly Cycle: Varies.

AM 493. Advanced Actuarial Mathematics Seminar Exam STAM. 2 Credit Hours.
The goal of this course is to help students synthesize content on probability and stochastic modeling topics from the following courses: AM 231, AM 332, and AM 333. The synthesized knowledge will be applied to solving actuarial problems such as those encountered in the context of Exam STAM. In addition this course will also develop your computational skills and tacit knowledge of problem solving strategies needed to tackle these actuarial problems in an efficient manner. While additional study effort will be required, passing this course should put students on track for taking Exam STAM.
Pre/Corequisites: AM 333
Session Cycle: Varies
Yearly Cycle: Varies.

Applied Academic Discourse (AAD)

Courses

AAD 111. Principles of Applied Academic Discourse. 3 Credit Hours.
This course is designed for students who wish to enhance their reading, writing, and critical thinking competence in the major discipline areas. Through intensive reading and writing in symbolics, empirics, esthetics, synoetics, ethics, and synoptics, students develop the strategies necessary for critical analysis, and effective reading and writing. The goal is to assist students in understanding the structure of knowledge and the process of disciplined inquiry.
Prerequisites: Permission of the instructor is required and first year and sophomore standing only
Session Cycle: Fall
Yearly Cycle: Annual.

Applied Analytics (AA)

Courses

AA 205. Introduction to Applied Analytics. 3 Credit Hours.
This is an introductory course in applied analytics. The focus is on using data and being able to gain insight into the data for multiple purposes. Analytics will be studied from a wide variety of fields and disciplines including using data visualization, text mining, and data mining methodologies to investigate questions related to the arts, business, humanities, social and physical sciences. The insight students gain may assist them in making effective decisions or the insight may be derived from analyzing textual data that were previously not thought to be significant.
Prerequisites: MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AA 304. Managing Information for Applied Analytics. 3 Credit Hours.
This course is about the management of information, how it is acquired, stored, and deployed effectively and how it may be analyzed for applications in a wide variety of domains such as literary and historical text analysis, social media, bioinformatics and business decision making. With the technology of today, we can gather data sets from many sources, some that are so large and complex (Big Data) that using traditional database management tools becomes difficult. Information management today must also deal with huge amounts of unstructured data that is being generated by social media in blogs, tweets, videos, speech, photographs, e-mails, and others. Not only are we faced with the challenge of how to store all of this data, but how we can effectively extract relevant information and visualizations from these disparate sources and gain valuable insights. This course brings together several key technologies-- databases, data warehouses, and large distributed data repositories--in a project that demonstrates how data can be stored, manipulated, and visualized.
Prerequisites: AA 205
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AA 306. Data Mining for Effective Decision Making. 3 Credit Hours.
In very simple terms, analytics is about the discovery and communication of meaningful patterns in data. This course is about applying analytics to create useful information that provides insights, fosters inquiry, and supports effective decision making and problem solving. It follows that the target audience for this course is anyone who anticipates having a need for useful information during their career and in their personal life. The approach taken in this course is that analytics is a tool that may be applied to achieve a desired outcome. Without a clear purpose or objective, the use of analytical methodologies is nothing more than a fishing expedition. It also follows that even when a clear objective is present, the application of analytics is only useful if the results of the analysis lead to reasoned action. Therefore, this course is more than a review of analytical methodologies. It is also about understanding problems, setting objectives, critical thinking and interpreting results. Problems will be addressed in a variety of disciplines including applications in liberal arts, science and business.
Prerequisites: AA 205
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

AA 490. Applied Analytics Capstone. 3 Credit Hours.
In AA 490, students complete a comprehensive real-world data project along with a presentation to the class and other interested parties of key aspects of the project with an analysis of the results. This will be a learning experience that gives students the opportunity to conduct real-world data preparation and analysis using data in a field relating to their primary area of concentration or major. Students will need to understand the problem, and then clean and analyze the data. The scope of the project is not only to complete a well-defined piece of work in a professional manner, but also to place the work into the context of an analytics environment by applying current state of the art techniques.
Prerequisites: AA 205, AA 304, AA 306, junior standing or permission of the instructor
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

Artificial Intelligence (AI)

AI 201. Introduction to Artificial Intelligence. 3 Credit Hours.
In today's rapidly evolving technological landscape, understanding artificial intelligence (AI) is more important than ever. AI is transforming industries, driving innovation, and shaping the future of work and society. This course provides students with a foundational understanding of AI, equipping them with the knowledge and skills to navigate and contribute to this dynamic field. This course provides a comprehensive introduction to artificial intelligence (AI), offering students a blend of theoretical foundations, practical applications, and hands-on experience. Topics include the definition and history of AI, data management, foundational AI technologies such as machine learning and deep learning, and key advancements in natural language processing (NLP) and generative AI. Students will learn about cutting-edge AI tools, explore prompt engineering techniques, and work with both low-code and no-code platforms. The course culminates in a project, where students work as a team to create an AI application based on their interest.

AI 202. Artificial Intelligence Applications and Ethics. 3 Credit Hours.
This course provides a comprehensive exploration of artificial intelligence (AI) and its applications in various industries, alongside the ethical considerations that arise from its use. Students will gain strategic insights into how AI can be leveraged to create value, understand the transformative potential of various AI technologies, and critically assess the ethical implications of AI deployment in organizations. Additionally, the program will emphasize how the collective intelligence of people and computers together can solve problems that not long ago were considered impossible. Through case studies, in class discussions, hands-on exercise and guest speaker events, the course bridges the gap between technical concepts and practical applications, empowering students to think critically about deploying AI responsibly and effectively. This course includes a semester long project where students work as a team to explore the opportunities, risks, and applications of AI in a specific industry.
Pre/Corequisites: AI 201 and Sophomore Standing.

AI 201B. Introduction to Artificial Intelligence for Business. 3 Credit Hours.
In today's rapidly evolving technological landscape, understanding artificial intelligence (AI) is more important than ever. AI is transforming industries, driving innovation, and shaping the future of work and society. This course provides students with a foundational understanding of AI, equipping them with the knowledge and skills to navigate and contribute to this dynamic field. This course is intended for business students and provides a comprehensive introduction to artificial intelligence (AI), offering students a blend of theoretical foundations, practical applications, and hands-on experience. Topics include the definition and history of AI, data management, foundational AI technologies such as machine learning and deep learning, and key advancements in natural language processing (NLP) and generative AI. Students will learn about cutting-edge AI tools, explore prompt engineering techniques, and work with both low-code and no-code platforms. The context for these topics will be business-focused, including applications in the business domain.
Session Cycle: Every Semester.

AI 301. Data Management and Visual Analytics. 3 Credit Hours.
Data is the fuel that powers every AI system. This course introduces students to the essential concepts, tools, and practices needed to prepare, analyze and communicate data effectively for AI-driven applications. Students will learn how data is stored, structured, and queried in relational databases, with an emphasis on writing efficient SQL for data extraction, transformation, and analysis. In addition, students will develop the skills to translate data into clear, compelling narratives using various data visualization tools. They will learn the principles of visual perception, effective dashboard design, and storytelling techniques that support analytical insights and decision-making. By the end of the course, students will be able to prepare and analyze data to support decision making and create visualizations that make complex information intuitive, actionable, and meaningful.
Prerequisites: AI 201 or AI 201B, and AI 202.

AI 310. AI Application Development. 3 Credit Hours.
This course introduces students to the design and development of artificial intelligence (AI) applications using no-code and low-code tools. The course progresses from foundational machine learning concepts to applications powered by generative AI. Students will develop a variety of real-world AI applications, including predictive models, classification systems, intelligent chatbots, and automated workflows. Emphasis is placed on hands-on experimentation, real-world use cases, and understanding how AI can enhance decision-making and innovation across different industries. Students will complete multiple applied AI projects throughout the semester.
Prerequisites: AI 201 or AI 201B, and AI 202.

AI 391. Applied AI Internship. 3 Credit Hours.
Students in this course engage in supervised employment within an area of artificial intelligence requiring applications of AI to the work environment. Students must work at least ten hours per week on the job, correspond periodically with a supervising faculty member, and prepare a substantive report on the work experience and on the work experience and the studies involved. Approval of the faculty instructor is required.
Prerequisites: AI 301, AI 310, Sophomore Standing and approval of faculty instructor.

Arts and Creative Industries (ACI)

ACI 220. Introduction to Arts and Creative Industries. 3 Credit Hours.
This course explores creativity and the arts as an essential part of the human experience. Students are introduced to the scholarship of creativity, engage in creative practice, and examine the field of creative industries. With a focus on creativity through visual art, performing arts or creative writing, this course has both a hands-on approach to creative production and a concentration on the industries that support this production. Depending on the section, experiential aspects may include drawing, painting and design (visual arts), improvisation/theater, storytelling and music (performing arts), and poetry, fiction and non-fiction (creative writing). Students will contemplate creativity as an intrinsic part of their personal and professional lives and a driving force in a variety of creative industries.

ACI 221. Arts and Creative Industries Incubator Seminar. 3 Credit Hours.
Students will build upon their Arts and Creative Industries foundations (from ACI 220 – taken during their first year) through workshops, networking, and practical experience in the arts on Bryant University's campus. Students will attend class sessions devoted to the skills needed to work in an arts organization as well as on-site meetings with arts organizations. Class sessions and workshops may include grant writing (for campus grant awards for projects), profile building for on-campus arts organizations, and program evaluation strategies. Networking will include guest speakers as well as interviews with faculty and staff involved in the arts. Students will propose an arts project with one of Bryant University's arts clubs and organizations (the Bryant Players, Bryant Singers, Arts and Creativity Club, Writing Club, etc.) while supervised by a faculty member. Criteria for project proposals will be discussed in class but may include installation of exhibitions.
Prerequisites: ACI 220
Session Cycle: Varies.

ACI 301. Vocal Ensemble Studio. 3 Credit Hours.
This course focuses on performing vocal music in different ensemble traditions, including Western and non-Western vocal genres. Students study vocal technique, reading music and learning by ear. Topics will include melody, harmony, improvisation, vocal effects, arrangements, presentation, audience connection, and vocal recordings. The students in this course will perform as an ensemble in a public performance on campus.
Prerequisites: ACI 220 and Sophomore standing
Session Cycle: Varies.

ACI 302. Performance Studio. 3 Credit Hours.
This course focuses on individual and group performance through practice work in storytelling, theater, improvisation, music, and performance art. Students will study the craft of storytelling, theater monologues and group scenes, and improvisation exercises, and may investigate dance, music, and performance art. Students will participate in a public performance at the end of the semester. No prior experience necessary.
Session Cycle: Varies.

ACI 303. Design in Contemporary Culture. 3 Credit Hours.
This course examines the rhetorical and formal principals of graphic design, with an emphasis on conceptual development and problem-solving. Assignments and lectures encourage students to investigate formal design aesthetics and the nuances of effective visual communication, while developing an understanding of the historical and cultural contexts of design and the role of the designer in society. Creative assignments are part of the coursework.
Session Cycle: Varies.

ACI 304. Music Composition Studio. 3 Credit Hours.
Students will develop their ability to digitally and acoustically compose music that can be used in a variety of formats, such as concerts, film and video games. Students will also have the opportunity to practice more advanced techniques in composition using notation, as well as learn about strategies used in songwriting, orchestration and arranging. No prior experience necessary.
Session Cycle: Varies.

ACI 321. Drawing Studio. 3 Credit Hours.
Drawing is the foundation of visual art and design. This course introduces students to the creative and expressive use of various graphic media such as charcoal, pencil, crayon, chalk, pen and ink and/or brush and wash. The history and practice of specific techniques such as form modeling, spatial illusions and principles of linear perspective will be explored in addition to basic aesthetic and technical drawing skills that enable students to represent three-dimensional objects in an environment.
Session Cycle: Varies.

ACI 322. Art and Design Studio. 3 Credit Hours.
Studio courses offer students hand-on opportunities to explore many creative mediums in the visual arts. Through sustained studio practice, critique and portfolio reviews, students will build skills and proficiency in the medium of focus (collage, painting or advanced design for example) or genre of art (such as socially engaged or environmental art) emphasized in the instructor's specific iteration of the course. Students will have the opportunity to engage with local and regional contemporary art exhibits and artists.
Session Cycle: Fall.

ACI 323. Digital Arts Studio. 3 Credit Hours.
This course is an introduction to digital art studio practice with a focus on digital imaging and cross-media experimentation. Creative projects include creating digital images, sound files and sound and video. Contemporary new media, digital culture and key works by digital artists are explored. Students will explore fundamental concepts and methods of digital media through conceptual and technical manipulation of sound and images. This is a studio course emphasizing creative and critical thinking as well as digital literacy.
Session Cycle: Every Fall Semester.

ACI 324. Digital Photography Studio. 3 Credit Hours.
This course serves as an introduction to creative photographic methods and ideas, integrating technical skills with individual creative goals. Using digital cameras and complimentary tools, students will address the essential technical, conceptual, and artistic problems that have been associated with photography since its birth, as well as some of the new issues that have arisen with the advent of digital imaging.
Session Cycle: Every Spring Semester.

ACI 325. Book Arts Studio. 3 Credit Hours.
Book Arts Studio is a combined focus course with attention to the history, theory and criticism of paper, books and collage, as well as studio practice in making paper and collage, and binding books.
Session Cycle: Spring.

ACI 326. Introduction to Adobe Creative Cloud. 3 Credit Hours.
This course is an introduction to the industry-standard software package for professional graphic designers, artists, and illustrators. Students will learn basic skills in Adobe Creative Cloud software, including Photoshop, Illustrator, and InDesign. Digital image manipulation, digital illustration, and page layout will be covered.
Session Cycle: Varies.

ACI 340. Arts and Entertainment: Issues in Arts Administration. 3 Credit Hours.
This class looks at the institutions, administrators and issues involved in the creative industries. This class will examine arts institutions in cultural context, including community engagement in the arts, cultural policy and public arts; arts administrators and their leadership, roles and responsibilities; and key topics in arts administration, such as arts education and ethics. The course draws on readings and literature from various disciplines and fields in the social sciences, arts administration, and the arts as well as the popular media. Topics will be approached through discussion, case studies, and exercises that connect the readings with practical experience.
Prerequisites: ACI 220
Session Cycle: Every Spring.

ACI 401. Painting Studio. 3 Credit Hours.
This course introduces students to the basic elements of acrylic painting. Students will develop skill and confidence in working from both observation and abstraction, and will explore a variety of techniques including glazing, layering, blending, scumbling, and impasto. Students will cultivate a working knowledge of color theory and explore composition and conceptual content through their work. A diverse array of painters, both historical and contemporary, will be introduced each week. We will also delve into the work of artists who use the painting medium as an agent for social change. As the semester progresses, students will expand upon basic painting skills to develop their own personal aesthetic and style, culminating in a portfolio presented in both physical and digital format.
Prerequisites: ACI 220 and Sophomore Standing
Session Cycle: Every Semester.

Arts and Sciences (AS)

Courses

AS 391. General Arts and Sciences Internship. 3 Credit Hours.
Students engage in individually supervised internships and learn to apply theory and principles to the work environment. Interns work at least ten hours per week in the internship, meet periodically with a supervising faculty member, and prepare a substantive report on the experience.
Prerequisites: Junior/Senior standing and approval of a supervising faculty member and department chair.

Band (BND)

Courses

BND 200. Pep Band. 0.5 Credit Hours.
The Bryant University Pep Band rehearses and performs year-round and is committed to supporting student athletes and creating an exciting collegiate atmosphere for students and fans! The band class consists of weekly rehearsals and performances at football games, men's and women's basketball games and other university/community events. Pre-season orientation and performances outside of class are required.
Prerequisites: Basic proficiency in a woodwind, brass, or percussion instrument. Ability to read written music notation. No formal audition required, only a simple hearing to determine part assignments
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

Business (BUS)

Courses

BUS 100. Introduction to Business. 3 Credit Hours.
This course is an introduction to business that exposes students to different kinds of businesses, and how to navigate both local and global environments. It provides students with an understanding of the different factors; ethical, political, social, cultural, as well as economic, among others that shape and change the global competitive landscape. Students will learn how to work in diverse teams to accomplish business objectives that are sustainable, guided by United Nations sustainable development goals. This course poses fundamental questions about the creation and ethical deployment of intellectual capital within the context of global oriented enterprises. The transformation of the world economy is creating a need for individuals with sophisticated skills, global perspective, expertise in multiple areas, and the ability to acquire new knowledge and skills as needed to meet the challenges of continuously changing business conditions. Successful organizations rely on collaborative efforts to solve problems and implement key solutions.

BUS 391. General Business Internship. 3 Credit Hours.
Students engage in individually supervised employment in business and learn to apply business theory and principles to the work environment. Interns work at least ten hours per week on the job, meet periodically with a supervising faculty member, do research related to the field of employment, and prepare a substantive report on the work experience and the studies involved. Requires the approval of a supervising faculty member and department chair. This course is restricted to practica and co-op opportunities only.
Prerequisites: Senior Standing.

BUS 400. Business Policy. 3 Credit Hours.
This is a capstone course that integrates the knowledge students have acquired in various business disciplines. The emphasis is on developing an integrative perspective on the key issues facing general managers and top management teams. The students will be introduced to analytical frameworks used to gain an understanding of industry environment and evaluate the sources of competitive advantage available to firms within an industry. In addition, students are exposed to case studies and business situations to help understand how managers implement strategies. Topics covered include industry analysis, internal analysis, business and corporate level strategies and strategy implementation.
Prerequisites: ACG 203, ACG 204, FIN 201, ISA 201, LGLS 211, MGT 200, MGT 201, MKT 201 and senior standing
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

BUS 413. Multinational Business Simulation. 3 Credit Hours.
This course involves a semester-long computer simulation in which the participants, working together in small teams, play the management roles of competing multinational firms. Though the course heavily emphasizes finance, marketing, participants will need to master all aspects of running an enterprise. The course offers many noteworthy features: international scope, strategic focus, lots of written and oral communication, considerable analytic work using spreadsheets and various statistical packages, and coping with sticky ethical and environmental issues. Students will develop leadership, as well as team building skills. This course is cross-listed with FIN 413, MGT 413 and MKT 413.
Prerequisites: FIN 201, MKT 201 and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

BUS 490. Healthcare Management and Strategy Practicum. 3 Credit Hours.
This course explores current topics and best practices in the business of healthcare in industries such as pharmaceuticals, medical devices, biotech, pharmacy retail, hospitals, healthcare providers, insurance, and other healthcare-related markets. Emphasis is on researching current topics and best practices in the business and academic literature and examining them through both academic and empirical perspectives. Students are encouraged to analyze the course material by applying it to an individual research project and through a team-based semester long project with industry members. After completing this course, students should have achieved the following learning outcomes: Organize and manage a team-based healthcare industry project , Work with industry members on their level; responsive, detail focused and with a sense of urgency, Access and apply information on best practices in healthcare to create competitive advantage and Demonstrate how key performance metrics can be used to measure corporate.
Prerequisites: SCI 275, GSCM 435, and ECO 473
Session Cycle: Every Semester.

BUS 491. General Business Practicum. 3-6 Credit Hours.
Qualified students work and study in a business, educational or private institution, earning from six to nine credit hours, depending on the academic nature of the effort and the amount of time committed to the internship. Students develop a major research project directly related to the practicum.
Prerequisites: junior or senior standing and the approval of the department chair.

Communication (COM)

Courses

COM 101. Health Communication, Identity and Sport. 3 Credit Hours.
This course will focus on the relationships between health communication and public health concepts surrounding athletes, mental health and identity. Topics that will be focused on include the unique aspects in sport that impact the health/identity issues amongst college athletes, the challenges and opportunities to communicate mental health, how sport impacts perceptions, how identity is impacted by collegiate athletics, and how health and wellness is represented in the communication, participation and promotion of sport.
Prerequisites: Instructor permission and first year student standing only
Session Cycle: Summer.

COM 202. Public Speaking. 3 Credit Hours.
This “soft skills” course is designed to help students learn how to communicate in public and digital contexts. By the completion of the course, students should be able to: research, outline, and organize public messages including those that are informative, persuasive, and entertaining; analyze an audience; understand how verbal and nonverbal components of delivery influence speaker credibility; develop strategies to reduce and manage fears about communicating in public contexts; create and use visual aids appropriate to the message; respond to questions effectively and substantively; utilize critical and creative thinking skills. Because speakers and audiences live and interact in a multicultural society, this course will also consider the composition of the audience in crafting ethical, empathetic speeches which consider both the speaker and audience as members of various co-cultures.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 203. Introduction to Communication. 3 Credit Hours.
The purpose of this course is to explore various topics related to communication. Students will learn how communication is defined and how research in the field is performed and evaluated. Furthermore, students will be introduced to various theories in communication as well as some of the common areas within the field (interpersonal, mass, health, intercultural, small group, etc.) Students taking this course can expect to apply the knowledge they gain to various aspects of their personal and professional lives, engage in critical thinking skills, and become familiar with the many options and career choices that study in communication can provide.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 205. Foundations in Digital Communication. 3 Credit Hours.
As an introduction course students will examine the evolution and evolving nature of digital communication. Through lecture and activities students will survey the technologies that have been adapted and reframed for industries, look at how digital culture has affected our human interactions and explore how we use mobile, web, streaming and browsing of audio and video in our everyday lives. Students focus on technologies as both the consumer and the creator and deciphering factors affecting both, including internet governance, ethics, free speech and privacy. The course will examine industries impacted by digital technologies and explore the current and future issues they face.
Session Cycle: Fall
Yearly Cycle: Annual.

COM 206. Foundations in Sports Communication. 3 Credit Hours.
This is an introduction and overview of the field of sport communication with specific topics including models of sport communication, print and electronic media, sport advertising, public relations, media relations, and employment opportunities. Students will have the opportunity to critically assess the communication efforts of sports organizations as well as construct their own communications in the field of sport. This course provides an exploration into the theory and practice of communication across specialized contexts sports professionals face and the development of strategic communication skills needed to succeed in them, including areas such as the press conference, sports feature content, sports promotion, sports branding, athletic administration, and sports reporting.
Session Cycle: Every Spring Semester.

COM 208. Esports Communication and Game Studies. 3 Credit Hours.
This course introduces students to the role of communication in the esports industry, including media relations, broadcasting, content creation, and branding. Students will analyze how digital platforms, social media, and journalism influence the perception and growth of esports. The course will also cover ethical and cultural considerations in esports communication.
Session Cycle: Every Fall Semester
Yearly Cycle: Annual.

COM 209. Principles of Visual Communication in the Digital Space. 3 Credit Hours.
This course explores the foundational principles of visual communication and their application in the digital realm. Students will examine key design theories, including composition, color theory, typography, and visual hierarchy, and learn how these principles shape effective digital messaging. Through a focus on digital media students will gain a deeper understanding of how visual elements influence audience perception, engagement, and communication effectiveness in various digital formats. The course emphasizes the role of design in enhancing clarity, fostering engagement, and conveying messages across diverse digital platforms.
Session Cycle: Every Fall Semester.

COM 230. Introduction to Film Studies. 3 Credit Hours.
This course has three major aims: to introduce students to what might be called the language of film, to investigate the relationship between movies and culture, and to consider film as both an art form and a social practice. Students will examine the tools filmmakers employ to bring their works to the screen, including cinematography, production design, acting, editing, music, sound design, and narrative structure. Students will also focus on how the cinema both reflects and perpetuates aspects of culture, investigating images of masculinity, femininity, class, and race relations. By semester's end students should have a much clearer sense of what goes into the making of movies, and should have become more active, critical viewers of film. This course is cross-listed with LCS 230.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 242. Basic Studio Production. 3 Credit Hours.
This course is an introduction to television production in which, through basic studio exercises and productions, students become familiar with the tools of the medium and the processes involved in the creation of completed video content. Emphasis is placed on understanding the role played by software and hardware in the structuring of visual, auditory, and motion elements to communicate through television.
Session Cycle: Varies
Yearly Cycle: Annual.

COM 243. Digital Media I: Production. 3 Credit Hours.
This course offers an introduction to single-camera video production and editing. In a series of short film assignments, covering a variety of formats/styles, you will learn how to shoot digital media content (outside of the studio environment) and edit your video using Adobe Premiere. This is a hands-on, workshop style course, in which students share and discuss their ideas, raw footage and "rough cut" edits as they go. Technical training will be gradual, with a gently sloped learning curve, so the focus remains where it should be – on expressing your creativity while learning to use shot composition, camera movement, and editing techniques to inform and entertain the viewer.
Session Cycle: Varies
Yearly Cycle: Annual.

COM 260. Media Literacy. 3 Credit Hours.
This course provides students with the necessary tools for examining mass media content from a critical perspective. Students will be able to discuss the literacies (print, media, information, etc.), and the societal importance of both on personal and cultural levels. Students will "read" advertisements, observe TV programming genres such as "reality TV" and news, examine the impact of media on children, study the effects of production values on film content, understand the accelerating proliferation of misinformation and "fake news" and their long-term macro-level ramifications on our culture, and deal with assessing texts and narratives in other media such as the Internet, video games, radio, magazines, and newspapers. Once students learn to read, interpret, critically examine, and productively use media, they will be able to apply those skills to various situations and audiences.
Session Cycle: Every Fall Semester
Yearly Cycle: Alternate Years.

COM 265. Public Relations and Social Media. 3 Credit Hours.
This course introduces traditional public relations and social media concepts and tools, building students' strategic ability to create communications plans that connect both concepts to meet an organization's objectives effectively. Through instruction, hands-on exercises, a client project and guest speakers, students will learn how to create a communications plan, write for the most popular digital communication channels, manage an always-on environment, interview clients effectively, drive social engagement, curate content and finally, create, present, defend and critique a communications plan. Students will gain strategic and tactical proficiency for building and managing a communications program in today's media/social media environment.
Session Cycle: Spring
Yearly Cycle: Annual.

COM 272. Foundations in Mass Communication. 3 Credit Hours.
This course familiarizes students with mass media industries by developing an understanding of industry structures, trends, economics, organization, and the impact of these on content, culture, and agency. Media industries examined include television/cable/streaming services, radio/music, advertising, public relations, Internet, print media, and video games. Media literacy is a major theme embedded throughout the course as students navigate social responsibility by examining media content from a critical perspective. Finally, students will acquaint themselves with industry-related concepts including, but not limited to concentration of ownership, conglomeration, media literacy, synergy, mass communication theories, digitization, convergence, fragmentation, deregulation, media effects, hyper commercialism, deregulation, mass communication theory, globalization, agenda setting, First Amendment issues, censorship, cultivation, and media ethics.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 280. Foundations in Health Communication. 3 Credit Hours.
This course provides students with an introduction to the area of health communication, an area that is large and multifaceted. Students taking this course will learn about a variety of topics that provide the foundation for work in health and health communication. Topics include (but are not limited to): patient-provider interactions, social support, health literacy, health campaigns and promotion, the influence of technology on health, and the role of culture in health.
Session Cycle: Varies
Yearly Cycle: Varies.

COM 301. Esports Governance and Policy. 3 Credit Hours.
This course provides an in-depth look at the governance and structure of esports. Students will examine esports leagues, teams, gaming publishers, and current events happening in esports with a focus on the law and ethical adherence to rules governing these competitions. The course will also explore the different roles of the developer, publisher, esports organizations, and the esports teams, what kinds of investments are relevant to each of those stakeholders, and their concerns.
Session Cycle: Every Spring
Yearly Cycle: Annual.

COM 331. Sports Broadcasting and Analysis. 3 Credit Hours.
This course provides students with the practical skills, industry knowledge, and confidence necessary to succeed in the dynamic field of sports media. Blending academic learning with real-world experience, students will gain a comprehensive understanding of the sports broadcasting landscape, develop compelling commentary techniques, and refine their on-air presence. Through hands-on projects and industry insights, students will learn to navigate the fast-paced challenges of sports media, preparing them for careers as on-air talent, producers, or media executives. By the end of the course, students will be equipped with the essential tools to excel in sports broadcasting.
Prerequisites: Sophomore Standing
Session Cycle: Every Semester
Yearly Cycle: Annual.

COM 332. Writing and Reporting for Broadcast and Emerging Platforms. 3 Credit Hours.
This course gives students hands-on learning and experience creating broadcast and digital news content. Course assignments are filmed in the television studio, but with an emphasis on the "nontechnical" aspects of electronic journalism. Specifically, students learn the communication skills that producers and reporters use when researching and writing news stories, conducting interviews, and delivering news live on the air or via the Internet. This course is also recommended for those with an interest in public relations, or for those who simply want to sharpen their writing and presentation skills.
Prerequisites: Sophomore Standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 333. Public Health Communication: Advocacy and Action. 3 Credit Hours.
This course is designed to familiarize students with the history and current issues in public health, the application of health communication theory and strategies to public health practice and research, and how to use knowledge in public health to advocate for policy changes.
This course examines how to structure, develop and evaluate social marketing, media advocacy, risk communication and advocacy skills for change. In addition, systematic qualitative data collection processes such as interviewing skills, participant observation and focus groups will be developed. Emphasis is placed on critical thinking skills to help students analyze and utilize these skills in research and practice.
Session Cycle: Varies.

COM 344. Sports Media Production. 3 Credit Hours.
Covering a live sporting event is one of the most dynamic forms of video-mediated communication. The pace is fast, the narrative largely unscripted, and creative and editorial decisions must be made rapidly. This course uses sports broadcasting as a platform for confronting the challenges of live, remote production. Classroom instruction is reinforced by hands-on experience, as students work in production groups to create network-style, multi-camera broadcasts of Bryant athletic events. Rotating through various roles and responsibilities, students develop skills in multi-camera directing, field production, video editing, writing, reporting, announcing, and special effects. Also, students learn how to identify, shape and present the narrative (story) elements of public events as they unfold. (Note: Students must be available for the broadcast of three Saturday afternoon games during the semester).
Session Cycle: Varies
Yearly Cycle: Alternate Years.

COM 345. Documentary Filmmaking. 3 Credit Hours.
In this course students learn how to create films using nonfictional "real" content as source material. The course covers all the creative aspects of documentary production: choosing a topic, creating a quasi-narrative framework, directing, writing and editing. Lectures, screenings and film assignments also explore how the filmmaker's communicative goal and point of view are expressed in a variety of modern documentary styles. And on the most practical level, students learn how to meet the challenge of scheduling a production based on "real" events that are often beyond the filmmaker's control. This course is also recommended for those who have an interest in journalism (both TV and print) or public relations for the non-profit sector.
Prerequisites: COM 242 or COM 243 or COM 357 or have prior production experience with instructor approval. Sophomore standing
Session Cycle: Varies
Yearly Cycle: Alternate Years.

COM 346. Talk Radio: Sports, Politics and Podcasting. 3 Credit Hours.
This course focuses on the skills needed to become a talk radio or podcast host. Special attention is given to the main functions of talk radio or podcast host as a researcher, interviewer, and storyteller. This course focuses on developing and planning live or taped talk show and podcast segments including researching topics, setting up interviews, writing interview questions, interviewing guests, and interacting with guests and other hosts. This course will also focus on integrating developing technologies in the broadcast field utilized by the talk radio and podcast hosts.
Session Cycle: Fall
Yearly Cycle: Annual.

COM 352. Strategic Content Planning and Creation. 3 Credit Hours.
This course will explore strategies for building relationships between audiences and organizations by assessing trends in writing for major social media platforms. Students will focus on conducting audits, creating style guides, constructing strategic briefs, and curating content to develop authentic connections and build trust on social media through strategic, active writing assignments across a variety of platforms.
Session Cycle: Varies
Yearly Cycle: Annual.

COM 353. Writing for Digital Media. 3 Credit Hours.
This course is designed to help students gain an understanding of how digital writing addresses multiple genres, tools, platforms, and audiences. Students will effectively create digital content, analyze, and compose digital texts, and learn the multimodal writing processes of digital communication for audiences across a variety of digital mediums.
Session Cycle: Fall
Yearly Cycle: Annual.

COM 357. Digital Media II: Narrative Design and Distribution. 3 Credit Hours.
Digital storytelling has changed the way media is gathered and delivered to an audience across a broad range of industries. You may be asked to explain a concept, make an argument or profile an individual or event as a digital storyteller. This course focuses on the skills needed to become an effective digital storyteller no matter what your major or chosen career field. You will learn to plan and develop live and recorded content for a variety of purposes and platforms. Special attention is given to the four main functions of a digital storyteller including: producing, writing, capturing and editing.
Session Cycle: Spring
Yearly Cycle: Alternate.

COM 360. Crisis and Risk Communication. 3 Credit Hours.
The need to assess, understand and implement an effective communication strategy following a crisis or risk event is becoming increasingly important. Whether dealing with the fallout from an environmental disaster, warning the public about a health hazard, interacting with the public on issues of terrorism, dealing with fallout from a public scandal, or addressing an organizational crisis, the need for effective communication management and its successful implementation is high. This course will focus on examining the intricate parts to the crisis/risk communication process, risk/crisis plans and public implementation.
Session Cycle: Spring
Yearly Cycle: Alternate.

COM 361. Public Relations. 3 Credit Hours.
Students in this course consider the public relations process with emphasis on how corporations and other institutions relate to their various publics. Readings and discussions center on methods of conducting effective public relations and on legal and ethical issues. Students plan programs and copy for various media.
Session Cycle: Varies
Yearly Cycle: Annual.

COM 363. Conflict Management and Negotiation. 3 Credit Hours.
The purpose of this course is to introduce students to the study of conflict and the role that communication plays in causing, escalating, and/or managing the conflict process. Additionally, the concept of negotiation and how it fits within this framework, will also be explored. After exploring basic elements of the conflict process (e.g., attributions, goals, power, tactics, etc.), the class will examine ways of altering negative conflict cycles, and the nature and effects of conflict in various situations such as intimate relationships, work relationships, public discourse, team settings, etc. This course is appropriate for anyone wishing to gain a better understanding of the complexities of conflict as well as better and worse ways of managing and or negotiating the process.

COM 367. Small Group Communication. 3 Credit Hours.
This course is designed to (a) give students a better understanding of the communicative practices that make a small group successful, and (b) provide students with the tools to diagnose and rectify potential obstacles to good group work. Students will accomplish these objectives by surveying theory and research in key areas of small group communication including cohesiveness, conflict, power, conformity and deviance, social influence, group roles and processes, group structures, leadership, and decision-making skills. In addition, students will have the opportunity to apply such theory and research by interacting in a small group environment to solve a problem, and then analyzing what their group did right and what their group did wrong.
Session Cycle: Varies
Yearly Cycle: Varies.

COM 370. Media Organizations. 3 Credit Hours.
This course is designed to introduce students to major issues involved in the management, production, and distribution of the mass media. Topics include the technical side of media production, the history and development of media organizations, business aspects of broadcasting and cable, media regulation, societal effects and the impact of new technology on traditional broadcast media. The focus will be on the history and development of media organizations and how they have helped shape American culture. Students will also discuss the impact of new technology such as HDTV and internet television. This class will examine how the media are both products of social forces as well as social forces in their own right.
Session Cycle: Varies
Yearly Cycle: Alternate Years.

COM 381. Message Design and Content Creation in the Age of Artificial Intelligence. 3 Credit Hours.
This course explores the transformative role of artificial intelligence in communication, emphasizing the design and delivery of effective messages. Students will examine foundational communication theories, principles of audience analysis, and strategies for crafting compelling narratives. Through hands-on practice and using state of the art tools, students will create written, visual, and video content that integrates AI-enhanced techniques with strategic message design. Ethical considerations, including authenticity, transparency, and the balance between human creativity and AI-generated content, are interwoven throughout, preparing students to navigate and innovate in the evolving landscape of AI-driven communication.
Prerequisites: Sophomore Standing
Session Cycle: Every Fall Semester.

COM 390. Research Methods in Communication/Digital Communication. 3 Credit Hours.
The purpose of this course is to introduce students in Communication and Digital Communication to research methods and concepts used in the field. During the semester, students will learn about ethical implications, sampling, variables, hypothesis testing and research design. They will also explore several different research techniques (e.g., surveys, experiments, content analysis, social network analysis, etc.). In addition, students will also be introduced to some basic statistical techniques used in the analysis of research data. The goal is to not only provide students with the groundwork for understanding and conducting research in these fields, but to also be able to be critical consumers of the research they will encounter in their future careers.
Prerequisites: COM 203 and MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 401. Advanced Intercultural Communication. 3 Credit Hours.
This course explores the complexity and uniqueness of intercultural communication by focusing on the various theoretical and practical aspects of how culture influences the way we communicate. By examining the various approaches to the study of intercultural communication, we will come to appreciate the complexity and dialectical tensions involved in intercultural interactions. We will examine the important role of context (social, cultural, and historical) in intercultural interactions and apply intercultural theories to practical situations such as education, healthcare, and business. This learning process will enhance self-reflection, flexibility, and sensitivity in intercultural interactions.
Prerequisites: COM 203 and Sophomore Standing.

COM 402. Digital Literacy. 3 Credit Hours.
Digital literacy refers to the ability to use, understand, and navigate digital technologies effectively. Given the impact and constant presence that digital media has in our lives, becoming critical consumers, rather than just users, is becoming an ever increasing imperative. As digital technologies continue to evolve, and new ones emerge (such as Artificial Intelligence), engaging with digital devices, applications, and information sources in a meaningful way is important. This course will focus on the cognitive and critical thinking skills required to assess, analyze, and create content in the digital realm, as well as the impact that it has on our interactions, society, and relationships.
Prerequisites: COM 203 or COM 205 and Sophomore Standing
Session Cycle: Every Fall Semester.

COM 403. Organization, Leadership, and Communication in the Sports Industry. 3 Credit Hours.
Students will focus on the organizational structure and communication requirements needed to organize and run various types of organizations within the sports field. Focus will be on international, national, professional, and collegiate sports organizations as well as the multiple departments and specializations that exist within each. Particular attention will be paid to role determination, communication, interdependence, specialization, and coordination required of the multiple structures that make up these sports companies and organizations.
Prerequisites: COM 203 or COM 206, Sophomore Standing
Session Cycle: Every Semester.

COM 404. Esports Event Planning and Organization. 3 Credit Hours.
This course explores the fundamentals of planning, organizing, and managing esports events, from grassroots tournaments to large-scale international competitions. Students will learn about event logistics, sponsorship acquisition, audience engagement, and the use of technology in tournament operations. The course will provide hands-on experience in conceptualizing and structuring an esports event.
Prerequisites: COM 203 or COM 206 or COM 208 and Sophomore Standing
Session Cycle: Every Spring Semester
Yearly Cycle: Annual.

COM 405. Advanced Sports Broadcasting: Road to "Radio Row. 3 Credit Hours.
This course provides students with an immersive experience in advanced sports media production, focusing on live event coverage, broadcasting, and content creation. Students will gain hands-on experience in producing, directing, and reporting for live sports programming, with a special emphasis on the organization and execution of professional sports media events. The culminating project for this course will involve active participation in "Radio Row" at the Super Bowl, where students will engage with industry professionals, produce content, and contribute to media coverage of one of the biggest sporting events in the world.
Pre/Corequisites: COM 331 can be taken as a corequisite
Prerequisites: COM 203 and COM 331 OR COM 346 and approval by instructor, Sophomore Standing
Session Cycle: Fall/Winter Semester - Course Will Run Longer Than Regular Term
Yearly Cycle: Annual.

COM 406. Voices of the Game: Expert Perspectives on Sports Communication, Promotion and Industry. 3 Credit Hours.
This course explores the dynamic landscape of sports industries by engaging directly with experts from professional athletics, sports organizations, and leading sports companies. Designed to bridge academic concepts with real-world expertise, the course features accomplished athletes, industry executives, and leaders from sports organizations and technology who share their knowledge and experiences. Students will delve into the inner workings of the sports industry, focusing on topics such as sports communication, sports media, brand promotion, sponsorship activation, fan engagement, and organizational leadership. Through expert-led discussions, interactive projects, and coursework, participants will develop practical skills and gain insider perspectives on the trends shaping the future of sports and the evolving fan experience Specific course focus will be dependent on resident expert teaching the course for that semester and their area of expertise.
Prerequisites: COM 203 or COM 206 and approval by chair, Sophomore Standing
Session Cycle: Varies.

COM 407. Creating and Selling Ideas for Entertainment. 3 Credit Hours.
This course introduces students to the creative and industry practices of developing unscripted and factual television projects for today's media landscape. Students learn the essentials of ideation, storytelling, and structuring concepts while exploring the television and streaming development process. Emphasis will be placed on tailoring ideas for specific production companies and crafting professional pitches that resonate with stakeholders and decision-makers. Through collaborative workshops and industry analysis, students gain hands-on experience generating original projects, refining ideas, and presenting them through written, visual, and live pitch formats. The course also involves participation at a national or international Television/Film Festival, where students engage in projects and interact directly with media professionals and the entertainment industry.
Prerequisites: COM 203 and Sophomore Standing
Session Cycle: Every Spring Semester.

COM 408. Communication in Action: Evolving Media and Message Landscapes. 3 Credit Hours.
This course examines the rapidly evolving fields of Communication and Digital Communication through engagement with current issues and professionals in television, film, public relations, social media, and digital media. It bridges academic theory with industry practice, featuring guest experts and practitioners who share their insights and experiences. With a rotating focus based on the resident expert's specialization or emerging trends, each offering adapts to explore emerging developments in the field. Topics will vary according to student interest and timely developments in Communication and Digital Communication. Refer to Banner for semester-specific course titles and descriptions.
Prerequisites: COM 203 and Approval by Instructor. Sophomore Standing

Session Cycle: Varies.

COM 409. AI and Fan Engagement in Sports. 3 Credit Hours.
Artificial intelligence is reshaping how sports organizations communicate, promote their brands, and connect with fans…and that transformation is happening right now. From the content that appears on your team's Instagram account to the personalized push notification you receive on game day, AI tools are embedded in sports communication at every level. This course gives you hands-on fluency with those tools while developing the critical judgment to use them well. You will examine how AI is being used (or misused) by professional leagues, college athletic programs, and emerging sports media companies. You will work directly with generative AI platforms, content creation tools, and audience analytics resources, applying them to real promotional challenges throughout the semester. The course culminates in a team-based AI-driven campaign project for a real or hypothetical sports organization. Regardless of your career in sports, this course will give you a practical and critical edge.
Prerequisites: COM 203 and Sophomore Standing
Session Cycle: Every Spring Semester.

COM 442. Advanced Digital Media. 3 Credit Hours.
With the advent of digital platforms including web sites, streaming networks, and social media platforms, it is no longer sufficient to think solely in the context of traditional broadcast and streaming media. Platforms such as Youtube, Roku and Tik Tok have changed all manner of content creation. This course will give you an understanding of how all areas of digital media production, both behind the scenes and in front of the camera, come together and are practiced at various stages, from preproduction through distribution, to create programming for both traditional and digital platforms. You will create high-end content in a simulated, professional environment taking on the roles of production personnel, from showrunner to craft service, with the ultimate goal of seeing your programming "air" on the chosen distribution platform for the semester.
Prerequisites: COM 203 and Sophomore Standing
Session Cycle: Spring
Yearly Cycle: Alternate Years.

COM 444. Sports Journalism. 3 Credit Hours.
Sports Journalism is the foundation of all sports coverage from play-by-play to podcasting, to sports promotion. This hands-on course prepares you to write, report, and analyze sports across print, radio, television, the web and social media. Students will learn to develop their own unique voice using journalistic principles such as researching, interviewing, and writing as they apply to sports, athletes, and coaches. Students will also learn sports journalism from the perspective of the athlete.
Prerequisites: COM 203, Sophomore Standing
Session Cycle: Every Spring.

COM 450. Media Genre Studies. 3 Credit Hours.
A genre approach to media study (one which takes the way we might categorize media as its point of departure) provides the most effective means for understanding, analyzing, and appreciating forms of media because it sees it as a dynamic process of exchange between the media industry and its audience. This allows us to think about media not just as an aesthetic object, but also as a consumer item molded in part by the shifting demands of the mass market. A particular piece of media, then, can tell us as much about the audience for which it's intended and the moment in history to which it belongs as it can about the institutions that produced it. This course examines the way this "dynamic process of exchange" works by looking critically at examples of media genre of the last several decades.
Prerequisites: COM 203, Sophomore Standing
Session Cycle: Fall
Yearly Cycle: Varies.

COM 452. Personal Branding in Digital Media. 3 Credit Hours.
In digital communication, tools and methods are available for people to share ideas, thoughts, and content online, providing key opportunities for product and personal marketing to support a brand image. This course is a practical, hands-on class where students explore the history and concept of branding and how it applies to aspects of self-presentation and self-promotion in digital media. Students will focus on developing and strengthening their own brand with an emphasis on the use of creating content for use on digital platforms.
Session Cycle: Fall
Yearly Cycle: Alternate Years.

COM 463. Digital Addiction, Internet Culture, and Communication. 3 Credit Hours.
This course explores the impact that digital communication has on us as individuals as well as how it serves to create a digital culture. Students examine topics such as digital communication's impact on cognitive processes, digital addiction, and digital literacy. How does software programming and engineered behavior addiction lead us to spending massive amounts of time on the devices and online? Students also dive into the implications of spending so much time online as it relates to topics such as memes, online relationships, identity presentation via things such as selfies, online humor, mental health, linguistics, influencers, trolls and more.
Prerequisites: COM 203 or COM 205 and Sophomore Standing.

COM 470. Persuasion and Social Influence. 3 Credit Hours.
Communicative efforts to influence us and our efforts to influence others are so common that we rarely give them a second thought--that is, until they do not work the way we intended. This course is designed to introduce you to theoretical and applied issues in the study of social influence. It presents a broad overview of the area with an emphasis on the creation and consumption of persuasive messages in a variety of contexts including advertising, politics, health, and even our own interpersonal relationships.
Prerequisites: COM 203 or COM 204 and Sophomore standing
Session Cycle: Varies
Yearly Cycle: Alternate Years.

COM 472. Media Effects. 3 Credit Hours.
This course examines the impact of mass media on individuals and contemporary culture. Areas of examination include media cultivation, desensitization, priming, violence, agenda-setting, media framing, hypersexualization, gender portrayals, commercialism content, persuasion, the empathetic audience, entertainment education, media discourse, numerous media theories, and digital communication, to name a few. Students in this course will complete semester-long research on a media effects topic of their choosing and will deliver presentations on a number of mass communication theories.
Prerequisites: COM 203 or COM 204 and Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Annual.

COM 478. Global Communication. 3 Credit Hours.
This course focuses on cross-national comparative approaches to the study of communication policy and practice. It illustrates the value of comparative study through discussions of broadcasting, cable, telecommunications, culture and new media policies and practices such as those surrounding the Internet. This course focuses on the history, development, implementation and effects of global communication systems. There is an emphasis on how culture is a shaping force in the development of communication policy and practices in each country.
Prerequisites: COM 203 or COM 204 and Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Annual.

COM 480. Advanced Health Communication Health Campaigns. 3 Credit Hours.
This course provides students with an in-depth look into the area of health communication and the specific context of health message design, health promotion, and health behavior change. Building upon knowledge gained in Introduction to Health Communication, students will be presented with various theories and models that are used in the field as well as strategies and campaigns that are currently being enacted in society. Students will gain practice in applying knowledge gained in this course as they select, research, and design a health campaign of their own.
Prerequisites: COM 203 or COM 204 or COM 280 and Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Alternate Years.

COM 491. Senior Capstone for Communication/Digital Communication. 3 Credit Hours.
In this capstone course, students will build on knowledge from prior classes to examine and apply the major theories used in the study of communication/digital communication. Through course discussion and application to real world situations, students will synthesize their understanding of communication and how it impacts human behavior and attitudes. Students will develop the ability to articulate opinions, translate concepts, and formulate solutions on current topics through the lens of both theory and ethics. Then, students will apply their knowledge of communication and/or digital communication to gain real world experience by solving problems that exist within a nonprofit organization and/or between its members and target audience.
Prerequisites: COM 203 or COM 204, senior standing, and Communication or Digital Communication major
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

COM 492. Senior Capstone in Sports Industries, Media, and Promotion. 3 Credit Hours.
In this capstone course, students will build on knowledge from prior classes to examine and apply the major theories and concepts used in the study of sports industries and sports communication. Through course discussions and application to real-world situations, students will synthesize their understanding of communication and its impact on human behavior, attitudes, and decision-making within the athletic industry. Students will develop the ability to articulate opinions, translate concepts, and formulate solutions on current topics through the lens of both theory and ethics. Students will apply their knowledge of sports industries and sports communication to gain real-world experience by solving problems that exist within an existing sports industry or organization and/or between its members and target audience(s).
Prerequisites: Senior Standing and Majors Only
Session Cycle: Every Spring.

COM 497. Directed Study in Communication. 3 Credit Hours.
This course permits the student to pursue a communication area of interest and relevancy. The work will be performed under the supervision of a faculty member who will help design the program of study and the requirements to be met by the student.
Prerequisites: This course requires departmental permission on the basis of the agreed - upon plan of study.

Communication and Language Studies(CLS)

Courses

CLS 391. Communication and Language Studies Internship. 3 Credit Hours.
Supervised experiential engagement in the area of Communication, Media, and Sports Industries, allowing students to connect Communication, Media, and Sports Industry concepts with hands-on projects in professional settings. Students contribute at least ten hours per week at their placement site and check in regularly with a faculty supervisor. Open to Sophomores, Juniors, and Seniors with department chair approval.
Prerequisites: Approval of a supervising faculty member or the department chair
Session Cycle: Every Semester.

Economics (ECO)

ECO 113. Microeconomic Principles. 3 Credit Hours.
This course introduces students to the basic principles of microeconomics, including the nature and method of economics and the role of the private and government sectors. Emphasis is placed on the firm, market structures, and resource allocation.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 114. Macroeconomic Principles. 3 Credit Hours.
Students in this course learn the basic principles of macroeconomics, including national income accounting, business cycles, income determination, and monetary and fiscal problems and policy. Also considered is international economics, including trade, comparative advantage theory, balance of payments, exchange rates, and trade and finance problems and policy.
Session Cycle: Fall, Winter, Spring
Yearly Cycle: Annual.

ECO 201. Money and Banking. 3 Credit Hours.
Unlike the real side of the economy, which is the actual conversion of resources into consumption, the financial system produces no tangible good that can be used to directly satisfy some need or want. Yet, no modern economy can exist without a well functioning financial system. The financial system impacts real economic activity by providing (1) ways to transfer economic resources through time, across geographic regions, and among industries, (2) ways to manage risk, (3) ways of clearing and settling payments to facilitate the exchange of goods, services and assets, (4) a mechanism for the pooling of funds to undertake large scale indivisible enterprise, (5) price information that helps coordinate decentralized decision making, and (6) ways to deal with the incentive problems when one party to a financial transaction has information that the other party does not, or when one party is an agent that makes decisions for another. This course will explore the financial system and its functions. Topics covered include the basic principles of money, credit and banking, their relation to prices and business fluctuations, the Federal Reserve System, monetary policy, and international macro-finance.
Prerequisites: ECO 114
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 210. Research Methods in Economics. 3 Credit Hours.
Research Methods in Economics introduces students to the mathematical, statistical, programming, technical writing, and public speaking skills necessary to comprehend and conduct meaningful economic research. Students will be introduced to topics such as mathematical optimization, data analysis, regression, and writing techniques used to understand and analyze complex economic problems. In addition, students will complete an individual and unique research project to solidify the concepts learned throughout the course of the semester to prepare them for upper level courses in economics. Note: Applied Economic majors must take ECO 210 before taking ECO 315. All other students that took ECO 315 first cannot receive credit for ECO 210.
Prerequisites: Either ECO 113 or ECO 114, and MATH 201 and sophomore standing
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 213. Economics of Social Issues. 3 Credit Hours.
The course objectives are to increase the student's knowledge and interest in the economic consequences of social issues and to provide the student with the basic analytical skills needed to assess social problems from an economics perspective. Students will learn how to determine the appropriate economic principles which, when applied, might bring about the reduction or resolution of particular social issues.
Prerequisites: ECO 113 or ECO 114
Session Cycle: Summer
Yearly Cycle: Varies.

ECO 310. Mathematical Economics. 3 Credit Hours.
Mathematical economics refers to the application of mathematical methods to represent economic theories and analyze problems posed in economics. The purpose of this course is to equip students with the mathematical tools needed for economic analysis which are unlikely to be taught in other classes. The course has four major goals: i) review mathematical tools of algebra and calculus; ii) introduce analysis of differential and difference equations; iii) introduce matrix algebra; and iv) introduce static optimization including the concept of duality.
Prerequisites: ECO 113 or ECO 114 and MATH 110 or MATH 121 or instructor permission
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ECO 313. Intermediate Microeconomics. 3 Credit Hours.
In this course, the behavior of business firms will be studied through an investigation of demand, supply and equilibrium under conditions of perfect and imperfect competition in the product market. Similar analytical techniques are then employed to examine the efficient allocation of the factors of production.
Prerequisites: ECO 113
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 314. Intermediate Macroeconomics. 3 Credit Hours.
This course examines macroeconomics concepts and problems. Students will develop the analytical capability to determine how aggregate demand and aggregate supply are influenced by the public and private sectors as measured by changes in employment, inflation, national output, and international trade. An analysis will also be made of the impact of selected macroeconomic policies that employ classical and Keynesian recommendations for increasing real national output while maintaining price stability.
Prerequisites: ECO 114
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 315. Econometrics. 3 Credit Hours.
This course is an introduction to basic econometric techniques and strongly emphasizes on statistical applications to economic theories. Students consider problems in estimating such economic variables as consumption-income-price relationships, production functions as well as problems in simulating economic models. For data analysis, students will learn to use Stata and/or R. Applied Economics majors must take ECO 210 before taking ECO 315.
Prerequisites: ECO 113 or ECO 114 and MATH 110 and MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 316. Strategic Game Theory and Applications. 3 Credit Hours.
We explore the fundamental principles of game theory and apply them to a range of strategic interactions involving two or more decision makers like individuals, firms, and political entities in a strategic manner. Key concepts such as dominance, backward induction, Nash equilibrium, commitment, credibility will be analyzed through classroom games and real-world applications in economics, business, politics, and beyond. Emphasizing critical thinking and problem-solving, the course combines theoretical analysis, interactive exercises, and real-world case studies to deepen students' understanding of strategic decision-making.
Pre/Corequisites: ECO 113
Session Cycle: Every Fall Semester.

ECO 340. Sports Economics. 3 Credit Hours.
This course applies microeconomic principles and theories to the sport industry. The core microeconomic fields of Industrial Organization, Public Finance and Labor Markets are the focus of this course to examine professional and college sports. Topics of particular interest are but not limited to sports franchises and profit maximization, monopoly behavior and union role, salary determination, and discrimination, cost-benefit analysis, investment decisions on stadiums and teams.
Prerequisites: ECO 113
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 350. America and the Free Market. 3 Credit Hours.
The influence of the free market philosophy in the U.S. extends far beyond the market place or the economic arena. This course examines these influences and the consequences of the adoption of free market economics on many aspects of U.S. society including its influence on the economy, political economy, politics, socio-economic policies, education, culture, and media among others. There is a particular focus on the relationship between the ideals of free markets and democracy.
Prerequisites: ECO 113
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 363. Industrial Organization: American Industry. 3 Credit Hours.
Industrial Organization is concerned with the way markets and industries are structured and the behavior and performance of firms in those markets and industries. Topics to be covered in this course include oligopoly, pricing strategies, research and development, barriers to entry, and advertising. Specific industries such as steel, autos, and computers will be examined.
Prerequisites: ECO 113
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 364. Industrial Organization: Government and Business. 3 Credit Hours.
The emphasis in this course is on the application of economic concepts and tools to evaluate the effectiveness of government antitrust laws and regulatory practices in bringing about a more competitive economic system. Topics include price fixing, predatory pricing, and price determination. The origins and tasks of Federal and State Regulatory Commissions are also examined.
Prerequisites: ECO 113
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 367. Economic Development. 3 Credit Hours.
An analysis of developing nations. Areas covered include characteristics of developing countries; economic, social, and political problems; foreign aid and trade; the role of governments; human and non-human capital formation; and some case studies of individual countries.
Prerequisites: ECO 114
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 391. Economics Internship. 3 Credit Hours.
Economics internships give students the opportunity for supervised employment in an area where they can apply economic theories and principles. Interns work at least ten hours a week, meet periodically with a supervising faculty member, do research on their field of employment, and prepare a substantive report on their work experience and research. Approval required by a supervising faculty member and the department chair.

ECO 393. Managerial Economics. 3 Credit Hours.
This course is concerned with how economic principles and methodologies can assist managers in business and other organizations to make decisions. Areas of analysis include, but not limited to, supply and demand, production and cost, market structures and pricing, economics of information and managerial strategies, and the role of government in the market place.
Prerequisites: ECO 113
Session Cycle: Summer
Yearly Cycle: Annual.

ECO 397. Directed Study in Economics. 3 Credit Hours.
ECO 397 enables students (sophomores, juniors and seniors) to do an independent study of a specialized topic with an economics faculty member.

ECO 413. Applied Microeconomics: Case Studies. 3 Credit Hours.
This course, with its case study focus, examines the application of microeconomic theories to real business and industry environments. Issues of supply and demand, market structures, government intervention, and resource markets are among a few of the topics of discussions and analyses.
Prerequisites: ECO 113 and ECO 114 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 414. Applied Macroeconomics: Case Studies. 3 Credit Hours.
This course covers core issues in macroeconomics at an advanced level. Topics covered will include long term growth, short term fluctuations and policy issues. The course centers on macroeconomic practical applications and issues by integrating case studies and journal articles. The overall goal is to gain a broad and critical understanding of models that can help to analyze specific policy issues in the global environment.
Prerequisites: ECO 113, ECO 114 and ECO 314 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 415. Applied Econometrics for Business and Policy. 3 Credit Hours.
A fundamental problem faced by decision makers is to obtain solid empirical evidence to support or reject their propositions. Consequently, markets and governments are increasingly demanding professionals who can apply sophisticated statistical tools to obtain empirical evidence that can be used to analyze complex problems and make decisions. Applied Econometrics for Business and Policy is designed to apply modern methods of empirical analysis to the task of making informed choices related to business and policy projects. It is a hands-on-the-data course that gives to students practice and the tools to analyze a variety of economic and business problems.
Prerequisites: ECO 113 and ECO 114 and ECO 315 or FIN 311 or or MATH 350 or AM 332
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 440. Machine Learning Applied to Economics. 3 Credit Hours.
The dawn of the artificial intelligence era is disrupting both markets and the traditional framework for applying economics. This course offers an introduction to the economics of machine learning – computational algorithms that provides the ability to automatically learn from the data and improve from experience without being explicitly programmed — and explores the application of machine learning to make predictions and improve decision-making. Lectures, class discussion, guest speakers, and team projects will be used to expose students to a variety of topics and questions including: how machine learning makes prediction better? What data-based predictions are important to business and decision-makers? How to find relevant tasks to apply machine learning to solve economic problems? What are the off-the-shelf applications of machine learning (applications in analyzing text and images) that can be applied to economic decision-making?.
Prerequisites: ECO 113, ECO 114, and one of the following: ECO 315, MATH 201, ISA 201, or ISA 221
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 445. Experimental Economics. 3 Credit Hours.
This course provides an introduction to experimental methods in economics. In other economic courses, you have learned about economic theories. In this class, we will learn the methodology for testing those theories. Either we will be able to confirm the theories or we will find evidence that the theories are incorrect, usually because they are based on a questionable assumption. Students will also become familiar with state-of-the-art research methodology in experimental economics, and will learn to conduct their own research projects by participating in and designing experiments in bargaining, auction markets, and other economic situations.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 461. Environmental Economics. 3 Credit Hours.
This course develops and uses microeconomic principles to better understand current environmental issues. Attention is given to the efficient use of environmental resources. Various public policies dealing with environmental problems such as acid rain, global warming and air and water pollution are discussed and analyzed. International comparisons regarding environmental policy is incorporated.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ECO 462. Public Finance. 3 Credit Hours.
This course examines the role of the federal government in the market when there are market failures. The course focuses on issues surrounding the efficient allocation of resources, the existing distribution of income and policies designed to stabilize the economy. The fundamentals of the personal income tax and social security tax are outlined and the impact on economic behavior is discussed. Similarly, federal expenditures for health, social security, education, and welfare are evaluated.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ECO 463. Labor Economics. 3 Credit Hours.
This course deals with a discussion of a variety of economic topics in the labor market. To understand how the labor market works, students will learn labor economic theories such as theories of labor supply, labor demand, and human capital. With theoretical frameworks, students will be able to better understand and examine government policies toward the labor market. Students will also study how the U.S. labor market is affected by globalization.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Fall or Spring
Yearly Cycle: Annual.

ECO 464. Behavioral Economics and Applications. 3 Credit Hours.
This course analyzes the observed behavior of decision makers and explores when and why actual behavior deviates from the predictions of standard economic models. Drawing from research in psychology and economics, the course enriches standard economic theories by incorporating social, cognitive and emotional factors into decision-making models. These factors include (but are not limited to) bounded rationality, altruism, reciprocity, cooperation, procrastination and self-control, and individual decisions under uncertainty. The course also discusses the policy implications of behavioral models as they relate to savings, tax policies, health care industry and financial industries.
Prerequisites: ECO 113 and ECO 114 and sophomore standing
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 471. International Trade. 3 Credit Hours.
International Trade offers a broad overview of international economic theory and its application to analyze real world events. A wide range of issues will be discussed including comparative advantage, gains from trade, protectionism, the effects of trade on economic performance and income inequality, the balance of payments, and major issues of finance. It will also examine political and economic development. By the end of the course students should be able to i) analyze and interpret international trade issues; ii) apply basic concepts of international economics to analyze current events and policy topics, and iii) critically evaluate the impacts of international trade on society's well- being.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 473. Economics of Health and Medical Care. 3 Credit Hours.
This course will examine economic processes in the health care industry of the United States. It provides the student with an understanding of how decisions are made by providers, consumers, and the third party payers for pricing and the quantity of healthcare services. This course will cover decision-making models, analyze policy issues and investigate political and economic aspects of the health care industry. Among the topics covered are market mechanism and structures, government intervention, health care reform and insurance, and ethics in health care.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 480. Economic Growth Policy and Practice. 3 Credit Hours.
The factors determining long-term economic growth have been a major concern for economists and governing bodies for many years. The general purpose of this course is to begin to discover what is known about the determinants of long-run economic growth. The course has three major specific goals: i) briefly look and discuss the historical record related to cross-country economic growth; ii) introduce students to the economics of growth and examine how economic theory explains the actual growth record of the world's countries; and iii) apply economic growth models to investigate topics of special interest to students.
Prerequisites: ECO 113 and ECO 114 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 481. The Fed Challenge. 3 Credit Hours.
The course prepares students for the College Fed Challenge, an academic competition to be held at the Boston Federal Reserve District Bank in November. Students research and analyze economic and financial conditions and then present and defend their analyses with recommendations for monetary policy before a panel of judges.
Prerequisites: ECO 113, ECO 114, permission of the instructor and sophomore standing.
Prerequisites: ECO 113 and ECO 114, sophomore standing and permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 490. Capstone Economics Seminar. 3 Credit Hours.
This senior level capstone seminar is designed for students majoring in economics to explore specific economic research topic of their interest, either as part of a weekly seminar or as an individual directed study. This course requires students to apply and analyze economic analysis. Where applicable they will be required to present their research paper before economics faculty and students.
Prerequisites: Economics major or concentrator and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 497. Directed Study in Economics. 3 Credit Hours.
ECO 497 Enables economics majors/concentrators to do an independent in-depth research or study of an advanced topic under the direction of a member of the Economics Department. The main requirement is the development of a professional quality paper (or other demonstration of mastery of the material.).
Prerequisites: ECO 113 and ECO 114.

Courses

ECO 113. Microeconomic Principles. 3 Credit Hours.
This course introduces students to the basic principles of microeconomics, including the nature and method of economics and the role of the private and government sectors. Emphasis is placed on the firm, market structures, and resource allocation.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 114. Macroeconomic Principles. 3 Credit Hours.
Students in this course learn the basic principles of macroeconomics, including national income accounting, business cycles, income determination, and monetary and fiscal problems and policy. Also considered is international economics, including trade, comparative advantage theory, balance of payments, exchange rates, and trade and finance problems and policy.
Session Cycle: Fall, Winter, Spring
Yearly Cycle: Annual.

ECO 201. Money and Banking. 3 Credit Hours.
Unlike the real side of the economy, which is the actual conversion of resources into consumption, the financial system produces no tangible good that can be used to directly satisfy some need or want. Yet, no modern economy can exist without a well functioning financial system. The financial system impacts real economic activity by providing (1) ways to transfer economic resources through time, across geographic regions, and among industries, (2) ways to manage risk, (3) ways of clearing and settling payments to facilitate the exchange of goods, services and assets, (4) a mechanism for the pooling of funds to undertake large scale indivisible enterprise, (5) price information that helps coordinate decentralized decision making, and (6) ways to deal with the incentive problems when one party to a financial transaction has information that the other party does not, or when one party is an agent that makes decisions for another. This course will explore the financial system and its functions. Topics covered include the basic principles of money, credit and banking, their relation to prices and business fluctuations, the Federal Reserve System, monetary policy, and international macro-finance.
Prerequisites: ECO 114
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 210. Research Methods in Economics. 3 Credit Hours.
Research Methods in Economics introduces students to the mathematical, statistical, programming, technical writing, and public speaking skills necessary to comprehend and conduct meaningful economic research. Students will be introduced to topics such as mathematical optimization, data analysis, regression, and writing techniques used to understand and analyze complex economic problems. In addition, students will complete an individual and unique research project to solidify the concepts learned throughout the course of the semester to prepare them for upper level courses in economics. Note: Applied Economic majors must take ECO 210 before taking ECO 315. All other students that took ECO 315 first cannot receive credit for ECO 210.
Prerequisites: Either ECO 113 or ECO 114, and MATH 201 and sophomore standing
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 213. Economics of Social Issues. 3 Credit Hours.
The course objectives are to increase the student's knowledge and interest in the economic consequences of social issues and to provide the student with the basic analytical skills needed to assess social problems from an economics perspective. Students will learn how to determine the appropriate economic principles which, when applied, might bring about the reduction or resolution of particular social issues.
Prerequisites: ECO 113 or ECO 114
Session Cycle: Summer
Yearly Cycle: Varies.

ECO 310. Mathematical Economics. 3 Credit Hours.
Mathematical economics refers to the application of mathematical methods to represent economic theories and analyze problems posed in economics. The purpose of this course is to equip students with the mathematical tools needed for economic analysis which are unlikely to be taught in other classes. The course has four major goals: i) review mathematical tools of algebra and calculus; ii) introduce analysis of differential and difference equations; iii) introduce matrix algebra; and iv) introduce static optimization including the concept of duality.
Prerequisites: ECO 113 or ECO 114 and MATH 110 or MATH 121 or instructor permission
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ECO 313. Intermediate Microeconomics. 3 Credit Hours.
In this course, the behavior of business firms will be studied through an investigation of demand, supply and equilibrium under conditions of perfect and imperfect competition in the product market. Similar analytical techniques are then employed to examine the efficient allocation of the factors of production.
Prerequisites: ECO 113
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 314. Intermediate Macroeconomics. 3 Credit Hours.
This course examines macroeconomics concepts and problems. Students will develop the analytical capability to determine how aggregate demand and aggregate supply are influenced by the public and private sectors as measured by changes in employment, inflation, national output, and international trade. An analysis will also be made of the impact of selected macroeconomic policies that employ classical and Keynesian recommendations for increasing real national output while maintaining price stability.
Prerequisites: ECO 114
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 315. Econometrics. 3 Credit Hours.
This course is an introduction to basic econometric techniques and strongly emphasizes on statistical applications to economic theories. Students consider problems in estimating such economic variables as consumption-income-price relationships, production functions as well as problems in simulating economic models. For data analysis, students will learn to use Stata and/or R. Applied Economics majors must take ECO 210 before taking ECO 315.
Prerequisites: ECO 113 or ECO 114 and MATH 110 and MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ECO 316. Strategic Game Theory and Applications. 3 Credit Hours.
We explore the fundamental principles of game theory and apply them to a range of strategic interactions involving two or more decision makers like individuals, firms, and political entities in a strategic manner. Key concepts such as dominance, backward induction, Nash equilibrium, commitment, credibility will be analyzed through classroom games and real-world applications in economics, business, politics, and beyond. Emphasizing critical thinking and problem-solving, the course combines theoretical analysis, interactive exercises, and real-world case studies to deepen students' understanding of strategic decision-making.
Pre/Corequisites: ECO 113
Session Cycle: Every Fall Semester.

ECO 340. Sports Economics. 3 Credit Hours.
This course applies microeconomic principles and theories to the sport industry. The core microeconomic fields of Industrial Organization, Public Finance and Labor Markets are the focus of this course to examine professional and college sports. Topics of particular interest are but not limited to sports franchises and profit maximization, monopoly behavior and union role, salary determination, and discrimination, cost-benefit analysis, investment decisions on stadiums and teams.
Prerequisites: ECO 113
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 350. America and the Free Market. 3 Credit Hours.
The influence of the free market philosophy in the U.S. extends far beyond the market place or the economic arena. This course examines these influences and the consequences of the adoption of free market economics on many aspects of U.S. society including its influence on the economy, political economy, politics, socio-economic policies, education, culture, and media among others. There is a particular focus on the relationship between the ideals of free markets and democracy.
Prerequisites: ECO 113
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 363. Industrial Organization: American Industry. 3 Credit Hours.
Industrial Organization is concerned with the way markets and industries are structured and the behavior and performance of firms in those markets and industries. Topics to be covered in this course include oligopoly, pricing strategies, research and development, barriers to entry, and advertising. Specific industries such as steel, autos, and computers will be examined.
Prerequisites: ECO 113
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 364. Industrial Organization: Government and Business. 3 Credit Hours.
The emphasis in this course is on the application of economic concepts and tools to evaluate the effectiveness of government antitrust laws and regulatory practices in bringing about a more competitive economic system. Topics include price fixing, predatory pricing, and price determination. The origins and tasks of Federal and State Regulatory Commissions are also examined.
Prerequisites: ECO 113
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 367. Economic Development. 3 Credit Hours.
An analysis of developing nations. Areas covered include characteristics of developing countries; economic, social, and political problems; foreign aid and trade; the role of governments; human and non-human capital formation; and some case studies of individual countries.
Prerequisites: ECO 114
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 391. Economics Internship. 3 Credit Hours.
Economics internships give students the opportunity for supervised employment in an area where they can apply economic theories and principles. Interns work at least ten hours a week, meet periodically with a supervising faculty member, do research on their field of employment, and prepare a substantive report on their work experience and research. Approval required by a supervising faculty member and the department chair.

ECO 393. Managerial Economics. 3 Credit Hours.
This course is concerned with how economic principles and methodologies can assist managers in business and other organizations to make decisions. Areas of analysis include, but not limited to, supply and demand, production and cost, market structures and pricing, economics of information and managerial strategies, and the role of government in the market place.
Prerequisites: ECO 113
Session Cycle: Summer
Yearly Cycle: Annual.

ECO 397. Directed Study in Economics. 3 Credit Hours.
ECO 397 enables students (sophomores, juniors and seniors) to do an independent study of a specialized topic with an economics faculty member.

ECO 413. Applied Microeconomics: Case Studies. 3 Credit Hours.
This course, with its case study focus, examines the application of microeconomic theories to real business and industry environments. Issues of supply and demand, market structures, government intervention, and resource markets are among a few of the topics of discussions and analyses.
Prerequisites: ECO 113 and ECO 114 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 414. Applied Macroeconomics: Case Studies. 3 Credit Hours.
This course covers core issues in macroeconomics at an advanced level. Topics covered will include long term growth, short term fluctuations and policy issues. The course centers on macroeconomic practical applications and issues by integrating case studies and journal articles. The overall goal is to gain a broad and critical understanding of models that can help to analyze specific policy issues in the global environment.
Prerequisites: ECO 113, ECO 114 and ECO 314 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 415. Applied Econometrics for Business and Policy. 3 Credit Hours.
A fundamental problem faced by decision makers is to obtain solid empirical evidence to support or reject their propositions. Consequently, markets and governments are increasingly demanding professionals who can apply sophisticated statistical tools to obtain empirical evidence that can be used to analyze complex problems and make decisions. Applied Econometrics for Business and Policy is designed to apply modern methods of empirical analysis to the task of making informed choices related to business and policy projects. It is a hands-on-the-data course that gives to students practice and the tools to analyze a variety of economic and business problems.
Prerequisites: ECO 113 and ECO 114 and ECO 315 or FIN 311 or or MATH 350 or AM 332
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 440. Machine Learning Applied to Economics. 3 Credit Hours.
The dawn of the artificial intelligence era is disrupting both markets and the traditional framework for applying economics. This course offers an introduction to the economics of machine learning -- computational algorithms that provides the ability to automatically learn from the data and improve from experience without being explicitly programmed — and explores the application of machine learning to make predictions and improve decision-making. Lectures, class discussion, guest speakers, and team projects will be used to expose students to a variety of topics and questions including: how machine learning makes prediction better? What data-based predictions are important to business and decision-makers? How to find relevant tasks to apply machine learning to solve economic problems? What are the off-the-shelf applications of machine learning (applications in analyzing text and images) that can be applied to economic decision-making?.
Prerequisites: ECO 113, ECO 114, and one of the following: ECO 315, MATH 201, ISA 201, or ISA 221
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 445. Experimental Economics. 3 Credit Hours.
This course provides an introduction to experimental methods in economics. In other economic courses, you have learned about economic theories. In this class, we will learn the methodology for testing those theories. Either we will be able to confirm the theories or we will find evidence that the theories are incorrect, usually because they are based on a questionable assumption. Students will also become familiar with state-of-the-art research methodology in experimental economics, and will learn to conduct their own research projects by participating in and designing experiments in bargaining, auction markets, and other economic situations.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 461. Environmental Economics. 3 Credit Hours.
This course develops and uses microeconomic principles to better understand current environmental issues. Attention is given to the efficient use of environmental resources. Various public policies dealing with environmental problems such as acid rain, global warming and air and water pollution are discussed and analyzed. International comparisons regarding environmental policy is incorporated.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ECO 462. Public Finance. 3 Credit Hours.
This course examines the role of the federal government in the market when there are market failures. The course focuses on issues surrounding the efficient allocation of resources, the existing distribution of income and policies designed to stabilize the economy. The fundamentals of the personal income tax and social security tax are outlined and the impact on economic behavior is discussed. Similarly, federal expenditures for health, social security, education, and welfare are evaluated.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ECO 463. Labor Economics. 3 Credit Hours.
This course deals with a discussion of a variety of economic topics in the labor market. To understand how the labor market works, students will learn labor economic theories such as theories of labor supply, labor demand, and human capital. With theoretical frameworks, students will be able to better understand and examine government policies toward the labor market. Students will also study how the U.S. labor market is affected by globalization.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Fall or Spring
Yearly Cycle: Annual.

ECO 464. Behavioral Economics and Applications. 3 Credit Hours.
This course analyzes the observed behavior of decision makers and explores when and why actual behavior deviates from the predictions of standard economic models. Drawing from research in psychology and economics, the course enriches standard economic theories by incorporating social, cognitive and emotional factors into decision-making models. These factors include (but are not limited to) bounded rationality, altruism, reciprocity, cooperation, procrastination and self-control, and individual decisions under uncertainty. The course also discusses the policy implications of behavioral models as they relate to savings, tax policies, health care industry and financial industries.
Prerequisites: ECO 113 and ECO 114 and sophomore standing
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 471. International Trade. 3 Credit Hours.
International Trade offers a broad overview of international economic theory and its application to analyze real world events. A wide range of issues will be discussed including comparative advantage, gains from trade, protectionism, the effects of trade on economic performance and income inequality, the balance of payments, and major issues of finance. It will also examine political and economic development. By the end of the course students should be able to i) analyze and interpret international trade issues; ii) apply basic concepts of international economics to analyze current events and policy topics, and iii) critically evaluate the impacts of international trade on society's well- being.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 473. Economics of Health and Medical Care. 3 Credit Hours.
This course will examine economic processes in the health care industry of the United States. It provides the student with an understanding of how decisions are made by providers, consumers, and the third party payers for pricing and the quantity of healthcare services. This course will cover decision-making models, analyze policy issues and investigate political and economic aspects of the health care industry. Among the topics covered are market mechanism and structures, government intervention, health care reform and insurance, and ethics in health care.
Prerequisites: ECO 113 and ECO 114
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ECO 480. Economic Growth Policy and Practice. 3 Credit Hours.
The factors determining long-term economic growth have been a major concern for economists and governing bodies for many years. The general purpose of this course is to begin to discover what is known about the determinants of long-run economic growth. The course has three major specific goals: i) briefly look and discuss the historical record related to cross-country economic growth; ii) introduce students to the economics of growth and examine how economic theory explains the actual growth record of the world's countries; and iii) apply economic growth models to investigate topics of special interest to students.
Prerequisites: ECO 113 and ECO 114 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 481. The Fed Challenge. 3 Credit Hours.
The course prepares students for the College Fed Challenge, an academic competition to be held at the Boston Federal Reserve District Bank in November. Students research and analyze economic and financial conditions and then present and defend their analyses with recommendations for monetary policy before a panel of judges.
Prerequisites: ECO 113, ECO 114, permission of the instructor and sophomore standing.
Prerequisites: ECO 113 and ECO 114, sophomore standing and permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

ECO 490. Capstone Economics Seminar. 3 Credit Hours.
This senior level capstone seminar is designed for students majoring in economics to explore specific economic research topic of their interest, either as part of a weekly seminar or as an individual directed study. This course requires students to apply and analyze economic analysis. Where applicable they will be required to present their research paper before economics faculty and students.
Prerequisites: Economics major or concentrator and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ECO 497. Directed Study in Economics. 3 Credit Hours.
ECO 497 Enables economics majors/concentrators to do an independent in-depth research or study of an advanced topic under the direction of a member of the Economics Department. The main requirement is the development of a professional quality paper (or other demonstration of mastery of the material.).
Prerequisites: ECO 113 and ECO 114.

Entrepreneurship (ENT)

Courses

ENT 280. Creating a New Venture. 3 Credit Hours.
This course introduces students to the process of turning an idea into a new venture. Using design thinking principles, students learn how to identify opportunities, understand customer needs, generate and test ideas, and develop innovative solutions to real problems. Students then evaluate the feasibility of their ideas and learn how to transform them into viable ventures through business models, business planning, financing, and startup strategy. By the end of the course, students move from idea generation to the creation of a new venture.
Prerequisites: BUS 100 and Sophomore Standing.

ENT 380. Entrepreneurial Marketing. 3 Credit Hours.
This course examines key concepts, methods, and strategic issues relevant for start-up and early stage entrepreneurs. It examines the unique challenges facing entrepreneurs including, but not limited to, creation of a customer base; creating products or services with limited financial resources; understanding that conventional marketing techniques are likely prohibitive or, at a minimum, constrained by availability of money, manpower and time; marketing decision-making in the face of high levels of uncertainty and ambiguity.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ENT 381. Entrepreneurial Finance. 3 Credit Hours.
The important role of entrepreneurship in any economy has been well documented and is of interest to business persons, government, and society at large. Financing and growing a new venture--whether inside or outside the corporate structure--is a difficult, yet passionate task. Not all finance specialists have an entrepreneurial bent, while not all entrepreneurs have a financial background. This course introduces entrepreneurial finance, both for finance specialists seeking to learn more about entrepreneurial finance and for entrepreneurs seeking to learn more about the financial aspects of innovation and business growth. Based on an understanding of all the financial areas of entrepreneurial business, we apply the tools and analytic techniques of these areas to the new venture creation and growth processes with a global perspective.
Prerequisites: FIN 201 or FIN 201G and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ENT 382. Entrepreneurship in Action. 3 Credit Hours.
This course gives students the opportunity to work alongside student entrepreneurs in an incubator-like environment and experience the realities of building a startup company. Students gain hands-on experience in areas such as selling, product development, financial modeling, and fundraising while working closely with founders and a strong network of mentors. A key part of the course is the use of Bryant's makerspace, where students can turn ideas into reality by designing, building, and testing prototypes. Through the makerspace, students move beyond planning and gain firsthand experience creating and refining products. This unique, experiential course allows students to develop their entrepreneurial skills, reflect on their personal strengths, and build confidence in their ability to create and grow a new venture. Instructor approval is required.
Session Cycle: Spring
Yearly Cycle: Annual.

ENT 482. Managing a New Venture. 3 Credit Hours.
A study in the management of the new business from its birth to its early adulthood, this course develops students' skills as a general management and entrepreneurial leader. The cases cover a diverse set of industries and a spectrum of sizes ranging from very small firms to quite substantial firms with hundreds of employees. The cases also involve a variety of operating, financing, and marketing disciplines.
Prerequisites: ENT 380 and ENT 381 and Senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ENT 484. Entrepreneurship Practicum. 3 Credit Hours.
The Entrepreneurship Practicum is an experiential course that allows students to apply their knowledge to real-world companies. In this course, students act as consultants to help entrepreneurs solve real business problems and grow their businesses. Students work in small teams of three to five and are assigned to a local startup. Guided by their instructor, students meet with the company, conduct due diligence, identify challenges and opportunities, and develop recommendations. This course fully immerses students in the entrepreneurial process while helping them build consulting, problem-solving, communication, and teamwork skills. Along the way, students gain firsthand experience working with real companies and learning from successful entrepreneurs.

Prerequisites: ENT 280, ENT 380 and ENT 381 and Senior Standing
Session Cycle: Spring
Yearly Cycle: Annual.

ENT 497. Directed Study in Entrepreneurship. 3 Credit Hours.
This course allows seniors concentrating in Entrepreneurship to do an in-depth study or research under the direction of a faculty member in Entrepreneurship.
Prerequisites: ENT 380 and ENT 381; an overall GPA of 3.0 or higher; approval of a supervising faculty member; and approval of the department coordinator.

Finance (FIN)

Courses

FIN 201. Financial Management. 3 Credit Hours.
This course deals with the financial management of the business enterprise and the role of the financial manager in value creation. Major topics include the time value of money, risk and return, security valuation, capital budgeting, cash and liquidity management, management of current liabilities, dividend policy, cost of capital, capital structure policy and the evaluation of alternative methods of financing.
Pre/Corequisites: MATH 201 or AM 231
Prerequisites: BUS 100
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

FIN 201G. Global Dimensions of Financial Management. 3 Credit Hours.
This course deals with the financial management of the business enterprise and the role of the financial manager in value creation. The focus of this course is the increasing global dimension that the financial managers must address. Major topics include the time value of money, risk and return, security valuation, capital budgeting, cash and liquidity management, management of current liabilities, dividend policy, cost of capital, capital structure policy and the evaluation of alternative methods of financing. While this course deals with common finance problems, these problems are analyzed in a broader context with an international emphasis. Sophomore standing is required.
Pre/Corequisites: MATH 201
Prerequisites: BSIB major and BUS 100
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 310. Intermediate Corporate Finance. 3 Credit Hours.
This course provides an in-depth exploration of corporate financial management, building on foundational concepts. Key topics include capital budgeting, capital structure, dividend policy, working capital management, and valuation techniques. Students will learn to apply various financial tools and techniques, including Excel-based data analysis, to optimize organizational financial performance. This course is essential for those looking to deepen their knowledge of corporate finance and pursue advanced finance courses.
Prerequisites: FIN 201, Sophomore Standing.

FIN 312. Investments. 3 Credit Hours.
This course offers a broad perspective on investment objectives and determinants of investment decision making. Students are introduced to the characteristics of different investment vehicles, the function and operation of the markets in which they trade, measurement of returns and risks associated with investing, and analytical pricing techniques of investment securities. Portfolio management is introduced as a framework for developing security-pricing models. This course is held in the state-of-the-art Financial Market Center (FMC), an environment which exposes students to real-time financial information and enables them to practice with tools that operate on such information to solve typical problems faced by financial professionals.
Prerequisites: FIN 201 and MATH 201
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

FIN 315. Financial Institutions and Markets. 3 Credit Hours.
This course is an introduction to the American financial system including banks, insurance companies and the capital market institutions. Considered are the various aspects of financial instruments, institutions, and markets, as well as the economic, technological and legal framework in which they operate.
Prerequisites: FIN 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 368. Multinational Finance. 3 Credit Hours.
This course examines methods of managing the financial aspects of multinational corporations. After reviewing the international monetary system, international finance, and international money and capital markets, students study financial policies and strategies of multinational corporations. Topics include the methods and process of financing international trade, hedging and arbitrage, risk analysis, and insurance and guarantee program. Also considered are the application of capital budgeting techniques and working capital management for foreign investments and tax considerations in making multinational financial decisions.
Prerequisites: FIN 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 370. Financial Statement Analysis. 3 Credit Hours.
This course is designed to prepare students to be more critical consumers of financial information. The focus of the course is the detailed understanding of financial information and how it can be used to make judgments about firm value. A central theme of the course is the role of management and strategy in presenting financial information. While this course will necessarily include some review of how financial statements are prepared, the emphasis is on how critical users can discover the "truth" about the firm and its industry.
Prerequisites: ACG 203, FIN 201 or FIN 201G and sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 371. Archway Financial Statement and Security Analysis. 3 Credit Hours.
This course is the first of a two-course sequence in the Archway Equity Portfolio Management program. Students will be placed into sector teams and act as security analysts within their sector. The course prepares students to be critical consumers of financial information. The focus of the course is the detailed understanding of financial information and how it can be used to make judgments about firm value and equity security valuation. While this course will necessarily include a review of how financial statements are prepared, the emphasis is on how critical users can discover the "truth" about the firm and its industry and make investment decisions based on that knowledge. These skills will be honed through analysis of real firms, and presentations to audiences which include fellow students, faculty, and investment professionals. Students will utilize industry standard analytical tools within our Financial Markets Center to mimic activities undertaken by investment analysts.
Prerequisites: FIN 201, FIN 312 and ACG 203. Instructor Approval and Junior Standing. Students taking FIN 371 cannot take FIN 370 for credit
Session Cycle: Every Fall and Spring.

FIN 380. Financial Modeling. 3 Credit Hours.
In this course students analyze and solve a diverse set of finance problems through the development of spreadsheet models concerning loan amortization, lease analysis, capital budgeting and risk analysis, cash budgeting, options pricing, capital asset pricing, and portfolio management. The course emphasizes the development of critical thinking skills, proficiency in research and use of financial data, and command of spreadsheet software such as Microsoft Excel.
Pre/Corequisites: FIN 312
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 381. Risk Management and Insurance. 3 Credit Hours.
Non-speculative risk and its management are the focus of this course. Students consider the identification and measurement of risk, models of risk management and applications of different types of insurance. Self-insurance and applications of purchased insurance product strategies are explored.
Prerequisites: FIN 201 and MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 383. Real Estate Finance. 3 Credit Hours.
This course is a study of instruments, methods, and institutions involved in real estate finance. Students examine the financial techniques of risk and return evaluation, as well as the changes in mortgage market and economic environment. Emphasis is placed upon business real estate.
Prerequisites: FIN 201 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

FIN 384. Credit Essentials. 3 Credit Hours.
The goal of this course is to expose students to a variety of commercial banking topics including cash flow, financial statement analysis, structuring commercial loans, personal financial statement analysis, business tax return analysis, as well as industry and market analysis.
Prerequisites: FIN 201
Session Cycle: Spring
Yearly Cycle: Annual.

FIN 391. Finance Internship. 3 Credit Hours.
Finance internships give students the opportunity for supervised employment in an area where they can apply financial theories and principles. Interns work at least ten hours a week, correspond periodically with a supervising faculty member, and prepare a substantive report on work experience and research.
Prerequisites: Overall G.P.A. of 2.5 or greater, FIN 312, approval of a supervising faculty member, and approval of the department chair.

FIN 412. Introduction to Fintech and Digital Innovation. 3 Credit Hours.
The impact of Financial technology (FinTech) in the fields of finance, accounting, banking, insurance, wealth, pensions are far-reaching, and its sphere of influence is likely to continue. Long protected by regulatory environments, financial institutions are coming under challenge from powerful technology providers who are able to deliver at greater efficiency and lower costs. It is changing how existing players operate and it is creating new ways to deliver core services. This course will focus on these how technology is revolutionizing finance and the firms behind this revolution. In addition to studying the world of fintech, student will also act as fintech security analysts and manage a portfolio of fintech firms funded by Bryant Alumni in the industry.
Prerequisites: FIN 312 and Junior Standing
Session Cycle: Every Semester.

FIN 413. Multinational Business Simulation. 3 Credit Hours.
This course involves a semester-long computer simulation in which the participants, working together in small teams, play the management roles of competing multinational firms. Though the course heavily emphasizes finance, marketing, and production decision making, participants will need to master all aspects of running an enterprise. The course offers many noteworthy features: international scope, strategic focus, lots of written and oral communication, considerable analytic work using spreadsheets and various statistical packages, and coping with sticky ethical and environmental issues. Students will develop leadership, as well as team building skills. This course is cross-listed with BUS 413, MGT 413 and MKT 413.
Prerequisites: FIN 201, MKT 201 and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

FIN 414. AI Applications in Finance. 3 Credit Hours.
This course is an elective within the AI Minor program and the Finance Concentration. It introduces students to practical applications of artificial intelligence (AI) in finance. Students will build basic coding skills and learn how to interact with AI models through APIs. The course focuses on real-world uses of AI in finance. Students will gain hands-on exposure to technologies such as robo advisors, textual analysis including sentiment analysis and content classification, and interacting with AI models through APIs. The course prepares students to apply AI tools and thinking to financial problems.
Pre/Corequisites: AI 202
Prerequisites: FIN 201, AI 201, Junior Standing
Session Cycle: Every Fall and Spring.

FIN 454. Archway Equity Portfolio Management. 6 Credit Hours.
This is the second course in a two-course student managed investment fund sequence which is intended to serve as a capstone experience for students majoring in finance with a focus in investments. Students will learn the basic tools and techniques of portfolio management such as asset allocation, diversification, security selection, measurement of portfolio risk and return, risk management and performance measurement. These skills will be honed through management of the Bryant University student managed fund, interaction with student securities analysts, and presentations to audiences which include investments professionals. A high level of professionalism will be required of all students admitted to this course. This course is held in the state-of-the-art Financial Markets Center (FMC), an environment that exposes them to practice with tools that operate on such information to solve typical problems faced by financial professionals. Only students that have taken FIN 371 are eligible.
Prerequisites: FIN 371 and Instructor Approval
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 458. Debt Securities, Derivatives and Investing. 3 Credit Hours.
The analysis, selection and management of debt securities are the topics in this course. The increasing complexity of the types and characteristics of debt securities being issued globally requires special analysis, along with an understanding of options and futures concepts. This course exposes students to the analytical concepts used in the fixed income market, and provides concrete practical applications of those concepts to the analysis of securities for pricing and risk management purposes.
Prerequisites: FIN 312 and Junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 460. Merger and Acquisition Finance Theory and Practice. 3 Credit Hours.
In this capstone class, students undertake a detailed study of the theory and practice of acquisitions through a finance lens. Using an overarching theme of value creation, students will examine such topics as friendly and hostile takeovers, mergers, spin-offs, consolidations, and private equity transactions including LBOs and MBOs, . By employing a combination of lectures and cases studies focusing on complex problems, students gain a deeper understanding of deal valuation, deal structuring, and the other important financial components of these important transactions.
Prerequisites: FIN 201 or FIN 201G, and FIN 370 or FIN 371 and Junior Standing
Session Cycle: Spring
Yearly Cycle: Annual.

FIN 465. Innovations in Contemporary Finance. 3 Credit Hours.
Contemporary finance is a highly quantitative and technological field. The performance of global investments are evaluated and managed by increasingly more complex mathematical tools. This survey course will provide students the fundamental steps of technical and financial sophistication they need to solve critical problems and will develop their ability to successfully understand and communicate with industry professionals and investment clients both in the U.S. and around the world. The students will learn about the process of financial engineering. The course will utilize advanced mathematical methods.
Prerequisites: FIN 201 and (FIN 312 or FIN 315)
Session Cycle: Fall and Spring
Yearly Cycle: Annual.

FIN 466. Data Analysis for Finance. 3 Credit Hours.
This course introduces students to a variety of tools for managing and analyzing "big data" in the field of finance. Finance benefits from the availability of very rich numerical and textual records, and the goal is to provide students with sufficient exposure to these resources to understand their applicability to financial decision making situations, while at the same time providing familiarity with a set of open source analytical tools that can make such sources accessible.
Prerequisites: ACG 203, FIN 201, and MATH 201 and Junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 475. Management of Banking Institutions. 3 Credit Hours.
This course explores the theory and practice of managing depository institutions in today's dynamic banking environment. The course examines asset and liability management strategies and impacts on profitability of depository institutions.
Prerequisites: FIN 201 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

FIN 480. Archway Fixed Income Portfolio Management. 3 Credit Hours.
This course is an experiential portfolio management class focused on Fixed Income Markets. The course is part of the Archway program and students participate in the activities of the overall program. The central activity in the course is the management of the fixed income allocation within the Archway Investment Fund (AIF) according to the guidelines and constraints outlined in the Investment Policy Statement that governs the portfolio.
Prerequisites: FIN 458 and junior standing
Session Cycle: Fall,Spring
Yearly Cycle: Annual.

FIN 497. Directed Study in Finance. 3 Credit Hours.
This course allows senior finance concentrators to do in-depth study or research under the direction of a member of the Finance Department.
Prerequisites: FIN 201, FIN 311 or FIN 380, FIN 312 and an overall GPA of 3.0 or greater, approval of a supervising faculty member, and approval of the department chair.

FIN AR371. Arch Fin. Security Analysis. 0 Credit Hours.

Financial Services (FS)

Courses

FS 391. Financial Services Internship. 3 Credit Hours.
Students in this course participate in employment in the financial services sector under the supervision of a faculty advisor. Interns work a minimum of 10 hours a week, correspond periodically with a supervising faculty advisor, and prepare a substantive report on their work experience and research.
Prerequisites: Junior standing, approval of the faculty advisor and financial services program coordinator.

FS 486. Securities Brokerage. 3 Credit Hours.
This course focuses on topics that relate to the critical functions and tasks of financial planners and securities brokers. These topics include the organization, participants, and functions of securities markets and the principle factors that affect them, the transaction procedures for various securities, forming and monitoring investment portfolios, and maintaining investment accounts.
Prerequisites: FIN 312 and instructor approval
Session Cycle: Spring
Yearly Cycle: Annual.

FS 497. Directed Study in Financial Services. 3 Credit Hours.
This course allows senior students in the Financial Services program to conduct independent, in-depth research under the supervision of a faculty advisor. Approval of the faculty advisor and Financial Services program coordinator is required. Senior standing is required.

General Education (GEN)

GEN 100. Student Success at Bryant University. 1 Credit Hour.
This course explores the concept of quality higher education and provides students with skills and strategies they need during their college experience. Students learn the importance of adaptability, accountability, and resiliency skills, and have opportunities to practice these skills. Students will also develop a deeper understanding of the importance of diversity, equity, inclusion and belonging at Bryant University. Students engage in discussions, activities, multimodal assignments, and co-curricular events that enhance their understanding of making a successful college transition. The course encourages students to claim their education through a focus on the processes of learning and cultivating a growth mindset for lifelong success. Together, faculty and students address the question of “what makes a student succeed in college?”.
Session Cycle: Every Semester.

GEN 103. Career Launch. 1 Credit Hour.
This one-credit 15-week course will introduce and provide students the opportunity to learn and practice lifelong career development and career management skills. Students will explore and participate in the career development process through class discussion, in-class activities, and take-home assignments. Topics covered will strengthen personal career identity, teach practical career planning tools and strategies, and contribute to each student’s drive to complete their degree with enthusiasm.
Prerequisites: GEN 100
Session Cycle: Spring
Yearly Cycle: Annual.

GEN 106. Writing Workshop. 3 Credit Hours.
In the Writing Workshop, students will engage collaboratively as a community of writers, emphasizing the dynamic nature of writing as a process to produce substantial, highly polished writing projects. This course is designed not only to improve students' writing skills but also to enhance their understanding of writing’s impact in real-world contexts. Through inquiry, revision, and reflection, students will explore the potential of writing for social impact and change. Students will engage with the conventions of different rhetorical situations while exploring diverse genres, modes, and texts to develop their unique voices and perspectives. Writing Workshop cultivates creativity and critical engagement with the world through writing.

GEN 201. Intercultural Communication. 3 Credit Hours.
This course examines communication in the intercultural setting--both domestic and international. The goals of this class are to develop perspectives about the influence of culture on the sending and interpreting of messages, discover the complexity of communication in an intercultural exchange, develop a reflective process for improving the analysis of intercultural exchanges, and recognize the influence of our own cultural situation upon the sending and interpreting of messages. Emphasis will be given to diversity in everyday interactions as well as diversity in the workplace. This course satisfies the general education requirement for Intercultural Communication. This course is not applicable to the Communication major or minor.

GEN 390. General Education Capstone. 3 Credit Hours.
This experiential course completes the General Education program by integrating students’ skills honed across the curriculum, students’ understanding of the SDGs, and students’ grasp of the innovation process to tackle a real-world problem.
Prerequisites: GEN 106; ECO 113, MATH 201, MATH 110; IDEA 101; HIS 2XX; LCS 2XX; SCI 2XX or SCI 3XX with the LAB; GEN 201; BUS 100; Students must have completed all other General Education requirements.

Global Studies (GLOB)

Courses

GLOB 242. Introduction to Global Anthropology. 3 Credit Hours.
This course studies the consequences of globalization for human beings as they come to understand and value themselves, their relations to others, and their "place in the world." Students discuss a number of challenges to traditional concepts of "culture" important to understanding an anthropological approach to the concept of globalization. The course approaches "globalization," the movement of information, goods, services, capital and people throughout the global space, from a variety of perspectives, including discussion of global migration and diaspora and consideration of the globalization of media. This course is cross-listed with LCS 242.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

GLOB 243. Honors: The Anthropology of Globalization. 3 Credit Hours.
In this course, students interpret global transformations through studying anthropological texts and films that provide in-depth analysis of local-level instances of globalization. These ethnographic studies allow students to improve their specific knowledge of people and places throughout the world and also to develop more theoretically rigorous approaches toward explaining what is meant by the term globalization. To this end, students examine, among other themes, ethnicity to better comprehend issues of power, resources, and land in conflict situations; the movement of textiles to recognize post-Fordist social and economic practices; human trafficking to conceptualize commodification of the human body; and refugee migrations to understand transnationalism. In short, this course offers micro-level case studies, methods, and approaches toward learning about and explaining broad social and cultural processes. Students who receive credit for LCS 242/GLOB 242 cannot receive credit for this course. This course is cross-listed with LCS 243.
Prerequisites: Honors Program
Session Cycle: Fall
Yearly Cycle: Annual.

GLOB 397. Directed Study in Global Studies. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the global studies faculty. The main requirement of the course is the development of a substantial paper or project.

GLOB 490. Seminar on Global Issues. 3 Credit Hours.
This senior seminar is designed as an interdisciplinary capstone course for students in the Global Studies concentration or major. It will include an in-depth examination of an important global issue such as economic development, the population problem, or international security. Each student will study a particular global issue or policy problem and present it to the seminar as part of a semester-long research project.
Prerequisites: GLOB 241/POLS 241 or GLOB 290/POLS 290 and GLOB 242/LCS 242 or GLOB 243/LCS 243 and senior standing.

GLOB 497. Directed Study in Global Studies. 3 Credit Hours.
This course is an opportunity for students to do independent in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the global studies faculty. The main requirement of the course is the development of a substantial paper or project.

Global Supply Chain Management (GSCM)

Courses

GSCM 301. Supply Chain Management Concepts. 3 Credit Hours.
This course will introduce students to supply chain management concepts that are critical to business success in today's fiercely competitive environment. Global supply chain management involves coordinating and improving the flow and transformation of goods, services, information, and funds within companies and around the world, from raw materials to the final end user. This course integrates key functions of operations management, marketing, logistics, and computer information systems in order to analyze and design domestic and international supply chains. Topics will include relationship management, transportation and distribution, inventory control, purchasing, forecasting, production management, and the impact of technology on supply chain management.
Prerequisites: MGT 201 or MGT 201G
Session Cycle: Fall
Yearly Cycle: Varies.

GSCM 310. Supply Chain Integration. 3 Credit Hours.
This course is designed to help students synthesize concepts covered in other supply chain, marketing, operations management, accounting, and finance courses by providing an integrative framework for supply chain management decision-making in a global business setting. Students will learn how a business builds relationships and integrates demand and supply activities across the supply chain to efficiently and effectively deliver customer value. The hands-on learning will take place within a global supply chain management simulation where students assume the roles of suppliers and customers and work together to accomplish organizational and supply chain goals while competing with other supply chains. Topics include: market research, segmentation, customer value, new product development, relationship management, negotiation, production planning, distribution, accounting and financial planning.
Pre/Corequisites: ACG 203 and sophomore standing
Session Cycle: Fall
Yearly Cycle: Annual.

GSCM 320. Information Technology in Supply Chain Management. 3 Credit Hours.
The purpose of this course is to discuss how IT is used to enable supply chain management and to improve the performance of the supply chain. Major topics include the role of IT in the supply chain, enterprise resource planning (ERP), innovative technologies in the supply chain, IT enablers for supply chain performance, and internet based supply chain and supply chain security. Hands-on exercises in a simulated SAP ERP system and real-world cases will be used in helping students understand course concepts. This course is cross-listed with ISA 320.
Prerequisites: ISA 201 and MGT 201 or MGT 201G
Session Cycle: Spring
Yearly Cycle: Annual.

GSCM 330. Basic Modeling and Analysis of Global Supply Chains. 3 Credit Hours.
This course will provide students with basic quantitative problem solving tools in logistics and global supply chain management. Students will learn how to diagnose and solve problems in networks of transportation, warehouse, inventory, and operations facilities, including facility location, material flows, vehicle routing, and general analytical decision-making. Upon completion, students should be comfortable using modeling tools fundamental to logistics and global supply chain management, with a focus on linear programming, integer programming, non-linear programming, and simulation. The course emphasizes use of spreadsheet programs as these are ubiquitous in business. No prior experience in spreadsheets or advanced mathematics/statistics is required. Students will have to demonstrate practical application of analytical and decision-making techniques, including professional presentation skills.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

GSCM 391. Supply Chain Management Internship. 3 Credit Hours.
Supervised employment in an area of supply chain management involving the application of SCM theory and principles to the work environment. Students are required to work a minimum of ten hours per week on the job, correspond periodically with their supervising faculty member, and prepare a substantive report on their work experience. The substantive report must contain content from the structured GSCM elective course it is replacing.
Prerequisites: junior standing.

GSCM 410. International Trade Logistics and Transportation. 3 Credit Hours.
This course provides basic preparation in transportation economics and management as well as international transport and logistics. The course is taught in two modules: International Transport and Logistics, and Logistics Analysis. Attention is given to how transportation pricing and tradeoffs work, shipper and carrier strategies, and logistics processes for moving goods and people internationally. Students will quantitatively develop and assess strategies for transportation and network planning, inventory decision making, facility location planning, and vehicle routing.
Prerequisites: MGT 201 or MGT 201G and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

GSCM 420. Process Analysis and Improvement. 3 Credit Hours.
Process Analysis and Improvement will introduce the student to a variety of decision making methods and tools that can be used to solve operational problems and facilitate strategic decision making. Process analysis and improvement methods covered include Six Sigma, Lean and A3 for Healthcare. Students completing this course will have a high level of Excel application knowledge and proficiency with Visio. The methods and tools used in this course are applicable to all types of organizations and supply chains.
Prerequisites: MGT 201 or MGT 201G and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

GSCM 430. Global Sourcing and Supply Management. 3 Credit Hours.
Firms are increasingly developing sourcing and supply management as a source of global competitive advantage. As firms increasingly outsource manufacturing, the need for a strategic approach to global sourcing becomes more evident. The creation of value often requires careful coordination of activities across the boundaries of organizations, creating strategic alliances with suppliers, and viewing suppliers as an extension of the buying company. Students in this course will be provided with the fundamental tools and techniques to deliver value through supplier identification and selection, buying, negotiation and contracting, and supplier measurement and improvement. Through course readings and case analysis, students will learn how leading companies leverage sourcing and supply management to increase customer and shareholder value. Socially responsible procurement will be a focus of this course.
Prerequisites: GSCM 310 or GSCM 320 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

GSCM 435. Healthcare Supply Chain. 3 Credit Hours.
A strategic management view of the Healthcare Supply chain, applicable for Business, Physician Assistants, and Supply Chain students interested in understanding the health sector's global supply chain impacts, to identify more resilient healthcare supply chains in the wake of pandemics, disruptions, innovations, through more affordable quality human outcomes and care.
Prerequisites: Junior Standing
Session Cycle: Every Semester.

GSCM 440. Corporate Social Responsibility in the Global Supply Chain. 3 Credit Hours.
The focus of this course is on corporate social responsibility from the perspective of the global supply chain. A wide array of topics will be covered including social and environmental reporting frameworks, risk management, supply chain ethics, sustainable business operations, closed-loop supply chains, LEED (Leadership in Energy and Environmental Design), disaster management and humanitarian supply chains, and corporate social responsibility standards, indices, rankings, and other performance measurements.
Prerequisites: MGT 201 or MGT 201G and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

GSCM 490. Empirical Applications in Supply Chain Management. 3 Credit Hours.
Supply chains exist whether or not they are managed. This capstone course will involve students in a study of best practices in managing global supply chains. A semester long, hands-on team based project with a global supply chain provider/industry member will allow students to demonstrate their skill sets and contribute to corporate success. Students will gain invaluable experience and become confident with their global supply chain knowledge and its applications, and participating supply chain providers/industry members will benefit through project efforts. Topics include: customer relationships, strategic sourcing, supplier relationships, logistics, strategic relationships, collaboration, performance measurements, alignment of goals, customer value, production planning, distribution, and financial planning.
Prerequisites: Two GSCM courses and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

GSCM 497. Directed Study in Supply Chain Management. 3 Credit Hours.
In-depth exploration of specialized areas of supply chain management serve as the purpose of this course. Individualized instruction is used to research areas in which the faculty member and student have a common interest. Extensive research including primary data collection may be required. The course concludes with the preparation of a thorough research report and presentation which must contain content from the structured GSCM elective courses it is replacing.
Prerequisites: senior standing.

History (HIS)

Courses

HIS 250. Emergence of Europe (1000-1600). 3 Credit Hours.
This course examines the origins and early development of Europe from 1000-1600. Topics include the overall character and decline of feudalism, the rise of national monarchies, urbanism and society during the Renaissance and Reformation. Socioeconomic and cultural history is emphasized.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 252. Europe: 1500 to 1815. 3 Credit Hours.
This course provides a study of the political, intellectual, and socio-economic history of early modern Europe from 1500 to 1815. Attention is given to the major transformations of the age, including religious, scientific, and political change, especially the Reformation, Scientific Revolution, and English (Glorious) & French revolutions, and their effects. In the process of doing so, students are also introduced to History as a field of study.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 261. History of the United States to 1877. 3 Credit Hours.
A basic survey and introduction to the field of American history, this course conveys the political, cultural and economic development of the United States through Reconstruction. It provides an understanding of the foundation of the "American way of life".
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 262. History of the United States Since 1865. 3 Credit Hours.
A history of the American experience from the end of Reconstruction to the present, this course focuses on the Urban-Industrial age, the rise of the United States to world leadership, and the important changes that have occurred in the "American way of life" during the past century.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 263. American Women's History. 3 Credit Hours.
In this course students survey American women's history from colonial times to the present. The course shows how the major social, political, and economic developments in American history have affected women in the past. Students examine the lives of "ordinary" women, as well as those of leading women thinkers and activists.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 270. World History to 1500. 3 Credit Hours.
This introductory survey course traces the development of humanity and society from the dawn of history to 1500, and provides insight into the wide spectrum of ideas, institutions, and life practices that different people and cultures around the world have created. Various representations of "civilizations" and "community" are considered.
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 271. World History Since 1500. 3 Credit Hours.
An historical study of the major regions and cultures of the world during the last five centuries, with attention to their connections and interactions and to the development of global trends. Political, economic social, intellectual, and cultural factors will be considered, and special emphasis will be placed on the emergence and the challenges of the people of the "third world". One theme will be an analysis of the processes of "modernization".
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 272. Introduction to Latin American History. 3 Credit Hours.
This course is a basic survey of Latin American history from before the European invasions to the recent past. The course emphasizes both the diversity of the Latin American experience across time and space and the persistence of certain historical continuities in the region: intense political and cultural conflict, deep social and economic inequality, and longstanding domination by externally-based imperial and neo-imperial powers.
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 273. History in the World Today. 3 Credit Hours.
The course requires students to formulate and support coherent arguments about complex historical problems in class discussions, essay exams, and writing projects. It strengthens students' global perspective by encouraging historical analysis of selected current world events and the U.S. relationship to/involvement in those events. By introducing students to historical methods and theory it enables them to understand more deeply one of the key disciplines associated with the humanities. This course is required for history majors and concentrators.
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 282. Introduction to American Studies. 3 Credit Hours.
This course introduces students to key themes, concepts, and debates in American Studies. Students use a foundation in American Studies methodology to interpret a range of materials and develop a richer understanding of the United States, its cultures, and its peoples. Objects of study may include literary texts, films, historical documents, music, visual art, and products of popular culture. Specific course topics may vary. This course is cross-listed with LCS 282.
Session Cycle: Varies
Yearly Cycle: Annual.

HIS 302. To Arms! History of Modern France. 3 Credit Hours.
This course examines the social and political evolution of France from the eighteenth century through World War I in the context of economic and cultural developments. Emphasis will be given to the French Revolution starting in 1789, the Napoleonic experiences, French attempts to break out of diplomatic isolation, the rapid expansion of the French Empire, and the maturation of the bourgeoisie. French realist literature, Impressionism the growth of consumer culture and the French experience of the fin-de-siècle crisis of masculinity will be noted.
Prerequisites: 200-level history course
Session Cycle: Alternate Spring Semesters
Yearly Cycle: Annual.

HIS 303. French Studies. 3 Credit Hours.
Biocultural theory posits the co-evolution of genes and culture. Language, culture, and imagination confer survival advantages to humans as a social species and have preserved evolved human complexity. This course takes biocultural approach to the works of French philosophers such as Montaigne, Descartes, Rousseau, Diderot, Voltaire, Saussure, Derrida, Beauvoir, Foucault, and Lacan. Students may take the course more than once, as different iterations. Topics of a given iteration may include humanism, skepticism, dualism, primitivism, language, textualism, indeterminacy, relativism, feminism, constructivism, historicism, and psychoanalysis. Materials and instruction are in English. This course is cross-listed with LS 303.
Prerequisites: 200-level History course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

HIS 304. Italian Studies. 3 Credit Hours.
This course focuses on the history, society, politics, culture, and economics of modern Italy and its predecessors on the Italian Peninsula. Students may take the course more than once, as different iterations. Topics of a given iteration may include humanism, science, philosophy, the Inquisition, fascism, and the Vatican. Materials and instruction are in English. This course is cross-listed with LS 304.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

HIS 351. History of Modern Europe: 1815 to the Present. 3 Credit Hours.
This course examines the major political, economic and intellectual developments since 1815. It emphasizes the significant events, patterns, and themes in Western history within the context of the modern world.
Prerequisites: 200-level history course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 354. Trends in Modern Thought. 3 Credit Hours.
This course offers a selected history of modern and post-modern themes, ideologies and values in Euro-America (Western civilization) since the Renaissance. Special emphasis is placed on analyzing social, political and philosophical questions and writings in context. The thematic focus of the course (e.g., individualism) may change from year to year.
Prerequisites: 200-level history course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 361. Gender and World War II. 3 Credit Hours.
Early in 1943, Max Lerner, the well-known author and journalist, writing for the New York newspaper, PM, predicted that "when the classic work on the history of women comes to be written, the biggest force for change in their lives will turn out to have been war." This course explores the question of whether or not World War II served as a major force for change in the lives women, both in the United States and around the globe. The experiences of a broad socio-economic and ethnic cross-section of wartime women are examined. In addition to the United States, areas of the world examined include women in China, France, the United Kingdom, the Soviet Union, Germany, and/or Italy.
Prerequisites: 200-level history course and sophomore standing
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 362. The United States in the 1960's. 3 Credit Hours.
This course examines the main contours of political, economic, social, and cultural life during the 1960's. Special areas of focus include: the Civil Rights Movement, the New Left, the Vietnam War, the antiwar movement, the resurgence of conservatism, the demise of the New Deal Coalition, the emerging women's liberation movement, the effect of social and cultural movements on business, and the intersection of artistic and cultural expressions with politics. The relationship of popular mythology and collective memories concerning the 1960's with "objective" historical analysis constitutes another key area of concern.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 364. History of American Technology. 3 Credit Hours.
This course treats the history of technology in the contexts of American business and social history. Focusing on the 19th and 20th centuries, the course first places technological change within the context of larger developments in American history. From that basis, the course then moves on to deal with the impact of technology in American social institutions, business, and culture.
Prerequisites: 200-level history course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 365. The United States and World Politics, 1890 to the Present. 3 Credit Hours.
This course examines the origins and development of the United States as a great world power from the Spanish-American War to the post Cold War era. Focusing on the connections between international and domestic events, the course evaluates the role of the US as a global power over the past century.
Prerequisites: 200-level history course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 366. Race in America. 3 Credit Hours.
This course examines major issues in race relations from the perspective of both black and white Americans from the onset of slavery to the present. The course examines the origins and functioning of American slavery, with consideration to the Atlantic slave trade and the role of U.S. slavery within the context of New World slavery; the relationship between European immigrants and African-Americans in terms of the formation of whiteness and the historical meaning of white skin privilege ; abolitionism and antislavery; the development and functioning of Jim Crow segregation; 2nd Reconstruction; the civil rights movement; and the significance of race during the post-civil rights era.
Prerequisites: 200-level history course
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 367. The History of American Popular Culture. 3 Credit Hours.
This course explores the historical context of various expressions of American popular culture in a variety of media, including: literature, film, radio, television, music, performance, advertising, style and fashion, food, and the internet. It examines the meaning of popular culture to its audiences and the way those audiences use and transform cultural products as part of their everyday lives. Attention is given to popular culture's relationship to "high culture," to economics and commerce, and to social and political developments including, but not limited to the emergence of working-class culture, the Great Depression, the Cold War and McCarthyism, the Civil Rights Movement, the Vietnam War, and the Women's Liberation Movement.
Prerequisites: 200-level history course
Session Cycle: Winter
Yearly Cycle: Varies.

HIS 368. Gender and American Culture in the 1950s. 3 Credit Hours.
This course provides students the opportunity to examine the cultural complexities of the 1950s and to appreciate it as a period of conservatism and restraint as well as a time of notable social change for women. It uses the enormously popular I Love Lucy television series (1951-1957) and Betty Friedan's classic work, The Feminine Mystique (1963), as well as related readings, to show how many women of the fifties challenged the stereotype of domestic, quiescent, suburban womanhood as they engaged in multifarious and diverse activities that helped pave the way for the social protest movements of the 1960s.
Prerequisites: 200-level history course and Sophomore standing
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 369. U.S. Latin American Relations 1820 to Present. 3 Credit Hours.
This course examines the history of relations between the United States and the nations of Latin America from the era of the Monroe Doctrine to the present.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

HIS 371. History of Russia. 3 Credit Hours.
This course provides an historical study of the evolution of Russian society from the Age of Kiev to the present including the era of the tsars and the Soviet period. Special attention is given to the contemporary situation in Russia.
Prerequisites: 200-level history course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

HIS 372. History of East Asia. 3 Credit Hours.
This course consists of an historical study of the ideas and institutions of the countries of East Asia with primary focus on developments in China in ancient times and in the modern era since 1800. Contemporary problems are also discussed.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

HIS 373. History of Modern Africa. 3 Credit Hours.
This course provides background for an analysis of some of the major problems of contemporary African life. Topics include the ancient culture of Africa, the slave trade, colonialism, African nationalism, and current political, economic and social trends in Africa.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

HIS 375. History of Modern Japan. 3 Credit Hours.
This course provides a survey and examination of Japanese history from its beginnings to the twentieth century, and includes a consideration of political, social, economic, intellectual, and cultural developments. Emphasis is placed on the evolution of Japanese traditions and values and their sources, and also on the history and practices of Japanese business. A major portion of the course will deal with the modern period and Japan's successes and failures as a modern nation.
Prerequisites: 200-level history course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

HIS 380. Doing Public History. 3 Credit Hours.
This course enables students to examine local history and communicate their findings to a broad, public audience. Students will engage in current and past debates about “whose history” we are documenting and “for whom” we are presenting that history. Students will be encouraged to look for hidden voices, silenced voices, and find innovative ways to bring these voices to the forefront. Practitioners of public history work in museums, archives, historic sites, landmarks, architecture firms, government offices, and beyond, where they aim not just to share historical information with diverse audiences, but to critically examine how history is presented.
Prerequisites: 200-level history course
Session Cycle: Fall
Yearly Cycle: Annual.

HIS 386. History, Law, and the Holocaust. 3 Credit Hours.
This course will explore in depth the Holocaust and its impact on the development of international law after 1945. Topics will include anti-Semitism, the rise of Hitler, the Final Solution, minority rights, domestic legal actions against perpetrators, the Nuremberg International Military Tribunal, Allied military courts, and subsequent national and international trials of accused Nazi war criminals. The course concludes with an examination of some of the leading post-Nuremberg topics in international human rights law today, including peremptory norms, transitional justice, hate speech prohibitions, and Holocaust denial. This is a cross-listed course with LGLS 386.
Prerequisites: 200 level history course and sophomore standing
Session Cycle: Varies
Yearly Cycle: Annual.

HIS 400. Buy American: Consumer Culture in U.S. History. 3 Credit Hours.
Why do Americans buy so much stuff? What do our things say about our identities, as individuals and a nation? This course examines the rise of a consumer culture in U.S. history from the 19th to 21st centuries. Through the use of interdisciplinary case studies, we will explore the complexities of the American consumer society, incorporating historical, political, social, and economic approaches. Case studies draw on images, material cultural and object analysis, architecture, and design. Topics include the histories of mass marketing, advertising, department stores, and consumer activism. The course also considers criticisms of American consumer culture, including anti-materialism, environmental critiques, and structural inequalities.
Prerequisites: 200-level history course
Session Cycle: Varies.

HIS 411. The American Revolution. 3 Credit Hours.
This course charts the creation of the American Republic from the Seven Years War to the formation of a new national government under the Constitution. We will examine the revolution itself: its causes, its larger Atlantic context, the way it was fought, and its consequences for the many peoples of America and the new United States. Students will be tasked with a small research paper or equivalent project that examines Rhode Island’s involvement in America’s War for Independence. Particular attention will be given to the First Rhode Island Regiment and Rhode Island’s Indigenous population.
Prerequisites: 200-level history course and Sophomore Standing
Session Cycle: Every Spring.

HIS 435. World War I: Causes, Courses, and Consequences. 3 Credit Hours.
This course examines one of the seminal events of the twentieth century - the First World War. The course will start by examining what factors led not just to a regional conflict but a global conflagration. These factors will include political, cultural, and military considerations. We will then examine the nature of the war experience, both at the front and at home. As the first Total War, World War I left few people untouched in the combatant countries, whether they wore a uniform or not. After an examination of why the war ended when it did and the peacemaking process, the course concludes with a study of the legacy of the war, stretching to the present time.
Prerequisites: one 200-level HIS course
Session Cycle: Fall
Yearly Cycle: Alternate Fall Semesters.

HIS 451. The World Since 1945. 3 Credit Hours.
This course examines major developments in global history since 1945, considering topics such as the capitalist and socialist world-systems, the Cold War, imperialism, and third world independence movements, and the so-called "new world order." Special emphasis is placed on the interaction between Western and non-Western societies.
Prerequisites: 200 level history course
Session Cycle: Fall, Summer
Yearly Cycle: Annual.

HIS 452. History of Modern Britain. 3 Credit Hours.
In this advanced course students trace the history of Great Britain from the Glorious Revolution of 1688 to the present, concentrating on cultural history and utilizing a socio-political perspective. Themes include the development of capitalism, constitutionalism, industrialism and imperialism, and the impact of the British expressions of these forces on modern globalization.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 453. History of Modern Science. 3 Credit Hours.
This course presents a history of the modern natural sciences from the eighteenth to the twentieth centuries, treating the development of modern physics, chemistry, geology, and biology. Students need no special background in science. The course focuses on conceptual problems and the culture of science rather than on the content of science. Examples of special topics include the development of the Newtonian world-view, the challenges of relativity and the quantum, how alchemy led to modern chemistry, why so many early geologists were churchmen, and how Darwinian evolution differed from other nineteenth-century evolutionary theories. The course is geared to the capabilities of students without specialized background in history and science.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 454. Foundations of the Modern Middle East. 3 Credit Hours.
The goal of this course is to provide students with the foundation necessary to better understand the history, culture, and geopolitics of the modern Middle East. The elements of this foundation include, among other things, God's Covenant with Abraham and the Abrahamic Faiths, the establishment of the Kingdom of Israel, the Babylonian Captivity, the Rise of Islam, the early Caliphates, the Sunni-Shia Split, the Crusades, the Ottoman Empire, and the British Mandate of Palestine. With this background in place, the last quarter of the course we will turn to The Arab-Israeli conflict, which is one of the longest and most intractable geopolitical problems in the world, and probably the most controversial. We will discuss the emergence of Zionism and Arab nationalism in the nineteenth century.
Session Cycle: Varies.

HIS 461. History of Contemporary America. 3 Credit Hours.
An intensive examination of the forces and events that have shaped the recent American past, this course stresses domestic politics, social change, urbanization, civil rights and modern ecological problems.
Prerequisites: 200-level history course
Session Cycle: Spring
Yearly Cycle: Annual.

HIS 463. The United States in the 1970s and 1980s. 3 Credit Hours.
This course explores the major political, social, cultural, and economic shifts in American life during the 1970s and the 1980s. Special areas of focus include the ascendancy of conservatism, the retreat of liberalism, rising economic inequality, women's and gay liberation, the expanding role of the media in American politics, the veneration of corporate America, and expressions of such in the era's popular (and sometimes unpopular) culture. The relationship of popular history and collective memory of the 1970s and 1980s with "objective" historical analysis constitutes another area of emphasis. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: 200-level history course
Session Cycle: Varies
Yearly Cycle: Varies.

HIS 490. Seminar in Historical Inquiry. 3 Credit Hours.
For seniors concentrating in History, this seminar provides extensive, practical experience in the craft of historical research and writing. Further, it examines select themes in historiographical and/or philosophical debates concerning history as a special type of knowledge. Requirements include a substantial research paper. Permission of instructor and HIS 273 are required.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HIS 497. Directed Study in History. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the history department. The main requirement of the course is the development of a substantial paper or project. Permission of department chair and faculty member is required.

HIS ST200. Special Topics in History Modern American Civil Rights Movement. 3 Credit Hours.
This course traces the origins and history of the Black freedom struggle from the 1950s through the 1970s. The organizations, leadership, and ideologies of the movement are considered through firsthand accounts, speeches, songs, images, and film. We will consider both the famous figures of the movement as well as the contributions of countless young people, women, and LGBTQ people. Finally, we will consider what has become the "official" narrative of the movement and what has been left out, as well as connections to the Black Lives Matter movement. Readings will emphasize recent scholarship.

HIS ST201. Special Topics in Native American History. 3 Credit Hours.
This course is designed to be an introduction to the history of Indigenous peoples of North America from pre-contact to present. This course aims to teach from the Indigenous perspective through a variety of primary and secondary sources and provide students with a new understanding of American History with Native people reinserted as principal actors and determinants of events.
Session Cycle: Alternate Fall Semesters.

HIS ST300. Special Topics in History Race and Slavery in the Atlantic World. 3 Credit Hours.
A history of race and slavery in the Atlantic World between the 15th and 19th centuries, with a particular emphasis on the economic, social, and cultural impact of the trans-atlantic trade in enslaved Africans (a crucial component of 'globalization" during that era) on the development of European-ruled societies in the Americas.
Prerequisites: 200-level History course.

HIS ST305. Special Topics in History The Space Race: A History. 3 Credit Hours.
This course examines the evolution of manned space flight over the twentieth century. Starting by looking at the rocket pioneers and continuing through the rocket experiments of the Second World War, the course focuses on the Cold War rivalry that culminated in the America moonwalks. The course finishes with a look at an under-examined side of how the US got men into space: the human computers who were integral to the understanding of orbital dynamics, and especially the African-American women who played a central role in that effort.
Prerequisites: 200-level history course.

HIS ST401. Special Topics in History War Crimes in World History. 3 Credit Hours.
The course explores the global history of war crimes and the legal response to them. It traces human efforts to limit warfare, from codes of war in antiquity designed to maintain a religiously conceived cosmic order to the gradual use in the modern age of the criminal trial as a means of enforcing universal norms. The course locates the evolution of the law of war in the interplay between different cultures. While showing that no single philosophical idea underlay the law of war, the course demonstrates that war in global civilization has rarely been an anarchic free-for-all. Rather, from its beginnings warfare has been has been subject to certain constraints defined by the unique needs and cosmological understandings of their cultures.
Prerequisites: 200-level history course, sophomore standing or permission of the instructor.

History, Literature and the Arts (HLA)

Courses

HLA 391. History, Literature, and the Arts Internship. 3 Credit Hours.
Supervised experiential engagement in the areas of History, Literature, and the Arts, allowing students to connect History, Literature, and the Arts concepts with hands-on projects in professional settings. Students contribute at least ten hours per week at their placement site and check in regularly with a faculty supervisor. Open to Sophomores, Juniors, and Seniors with department chair approval.
Prerequisites: Junior Standing.

Health Sciences (HS)

HS 390. Research Methods in Health Sciences. 3 Credit Hours.
HS 390 is the core required course in research methodology for Health Sciences majors, focusing on the design, implementation, data analyses, and interdisciplinary of health science research. Health Science majors are expected to be well-versed in the conduct and interpretation of various research methodologies in preparation for further study at the graduate level, the workplace, and in life. This course will focus on the major subjects of research design, implementation, and data analysis and interpretation.
Prerequisites: PSY 260 or PSY 263, and MATH 201, and SCI 251 or SCI 265
Session Cycle: Spring
Yearly Cycle: Annual.

Honors Program (HON)

Courses

HON 390. Research Methods and Thesis Proposal. 3 Credit Hours.
The course will introduce students to the process of preparing an Honors thesis proposal and to research methods that can be applied to social sciences, business, humanities, and creative arts disciplines. Students will work in a multidisciplinary environment and learn and practice how to define research objectives, explore alternative methodologies, and consider the nature of disciplines and importance of interdisciplinarity in today's world. Students are also required to identify a thesis advisor and work with them throughout the semester to prepare and present their senior thesis project.
Prerequisites: Honors Program and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

HON 490. Honors Senior Thesis. 3 Credit Hours.
Honors Program seniors, under the guidance of a faculty committee (as specified in program guidelines), will develop a thesis to serve as a capstone for their Honors Program coursework. The proposal will be presented to the Honors Coordinator in the spring of the student's junior year or no later than four weeks after the beginning of the student's senior year. It will include specification of the department to which credit will apply in the student's academic program, and signed approval from the faculty advisor, editorial reviewer and departmental chair is required. The initial proposal will be reviewed by the Honors Council and Coordinator for approval in accordance with Program procedures. Successful completion of this class requires the student to present the thesis and submission of all final document materials based on program guidelines.

Bryant IDEA (IDEA)

Courses

IDEA 101. Bryant IDEA: Innovation and Design Experience For All. 1 Credit Hour.
This course teaches students about the innovation process. Specifically, students learn two key elements or building blocks for creating new innovations in any field: design thinking and teamwork. During an approximately 72-hour intensive experience, students will work in teams on projects covering a range of "real world" situations, ranging from the arts to social services to the business sector. They will practice elements of the design thinking process and work in teams to come up with creative solutions to problems.
Session Cycle: Spring
Yearly Cycle: Annual.

IDEA PH. Bryant Idea Placeholder. 0 Credit Hours.

International Business (IB)

Courses

IB 201. Global Foundations for International Business. 3 Credit Hours.
The course develops the cultural literacy, global economic understanding, and institutional awareness students need to interpret international business environments and operate effectively across countries and cultures. The course is intentionally modular and interdisciplinary. It draws on international business, economics, political science, history, law, communication, and cultural studies to help students understand how firms, governments, communities, and individuals respond to global change. Students will examine real-world international business situations; practice structured cultural and country analysis and build a personal global competency portfolio connected to their academic concentration and career goals.
Prerequisites: Sophomore Standing
Session Cycle: Every Fall and Spring Semester.

IB 356. International Business Management. 3 Credit Hours.
The International Business Management course provides an overview of the cultural, economic, legal, and political forces that shape the environment of international business. Students will develop knowledge and skills to help them manage businesses across international boundaries. This is an upper level course that emphasizes the ability of effective oral and written communication, the application of analytical reasoning, the development of specific research skills for assessing the international context, and the use of experiential exercises to sensitize students to cultural differences. Prerequiste: Junior Standing and IB major.
Session Cycle: Spring
Yearly Cycle: Annual.

IB 385. Special Topics in International Business. 3 Credit Hours.
Topics under this course heading will vary from year to year according to student interest, faculty availability, and timely developments in the area of International Business or any of its functional areas. Refer to Banner web catalog for semester specific special topics course titles and descriptions.
Prerequisites: Junior standing.

IB 387. Financial and Economic Developments in Latin America. 3 Credit Hours.
This survey course is intended to provide an overview of the contemporary financial and economic environment in Latin America with a focus of doing business in Mexico, Chile, Brazil and Argentina. The topics will include an examination of the social, economic and political forces that affect business in Latin America.
Prerequisites: Sophomore standing and FIN 201 or FIN 201G
Session Cycle: Fall
Yearly Cycle: Varies.

IB 391. Internship in International Business. 3 Credit Hours.
Students engage in supervised employment in an area of international business (such as Information Systems, Finance, Management, or Marketing) which involves the application of international business theory and principles to the work environment. Interns work at least 10 hours a week, correspond periodically with a supervising faculty member, and prepare a substantive report on work experience and research.
Prerequisites: BSIB major, overall GPA of 2.5 or greater, approval of a supervising faculty member, approval of the IB coordinator and junior/senior standing.

IB 490. International Business Practicum. 3 Credit Hours.
International Business Practicum, is a capstone course for IB majors that is a combination of global business strategy and practical business experience. The course builds on class room discussions about IB theory by providing aspects of international business. Students operate as consultants for clients from John H. Chafee Center for International Business by identifying, analyzing and designing market entry, development and competitive strategies for new global markets.
Prerequisites: BSIB major and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

IB 497. Directed Study in International Business. 3 Credit Hours.
This course allows qualified seniors majoring in International Business to do an in-depth study or research under the direction of an appropriate internationally focused faculty member of Information Systems, Finance, Management, or Marketing.
Prerequisites: BSIB major, overall gpa of 3.0 or greater, or approval of supervising faculty member, approval of the IB coordinator, and senior standing.

Information Systems and Analytics (ISA)

ISA 201. Introduction to Information Technology and Analytics. 3 Credit Hours.
Information technology has become deeply integrated with every business function. This course covers the role of Information Technology in supporting business process and major enterprise wide strategic initiatives, including Customer Relationship Management (CRM), Enterprise Resource Planning (ERP), Supply Chain Management (SCM), and e-Business. It examines the competitive impact of evolving technologies such as Mobile Computing and Social Networking. The course also covers the social, ethical, and security issues that arise with the use of technology. Various business scenarios/problems are presented to teach students how to use IT to formulate, analyze, and solve problems and to enhance their analytical skills. Students apply what they have learned and compete "team-to-team" in a sponsored course-wide analytical case.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 201G. Introduction to Global Information Technology and Analytics. 3 Credit Hours.
This course will provide a foundation of information technology concepts and application development in a global context. Students are expected to learn how various information technologies can be used to strengthen the business competitiveness globally, how information culture may vary in different countries, and how this variation may impact the adoption of information technologies. Students are expected to learn managerial issues pertaining to development of global information systems. Students will gain experience with database and spreadsheet tools (Access and Excel) which are necessary to be more productive in a global environment.
Prerequisites: BSIB major
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 203. Honors Business Information Technology and Analytics. 3 Credit Hours.
This course introduces students to the key role that information technology plays in business organizations. Major topics include business information systems, information ethics and social issues, security, database fundamentals, telecommunication, e-commerce, m-commerce and traditional and emerging systems development methodologies. Students will also gain experience in developing a functional database application for a business case and then use the data in the database to create spreadsheet analyses to solve business problems related to the different business functions contained in the business case such as finance, marketing and management.
Prerequisites: Honors Program
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 210. Introduction to Data Science. 3 Credit Hours.
This course will introduce students to the field of Data Science and help them gain a foundational understanding of Data Science basic principles and tools as well as an understanding of how Data Scientists contribute to solving meaningful problems across many domains. The concepts, techniques and tools presented in this course will serve as a gateway to more focused courses that lead to becoming an effective Data Scientist. The content of the course will include an introduction to the field of Data Science, what it means to be a Data Scientist, steps in a Data Science project understanding data, data collection and integration, exploratory data analysis, supervised and unsupervised machine learning, text mining, modeling, data product creation, evaluation, effective visualization and communication and ethical issues in Data Science. The focus will be on breadth rather than depth and integration of concepts.
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 221. Introduction to Programming. 3 Credit Hours.
This course introduces computer programming using high level programming languages. The course begins with a review of control structures and data types with emphasis on structured programming, syntax, repetition structures, decision structures, list and array processing. Emphasis is placed on programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. This course also introduces students to the ideas of data abstraction and object-oriented programming. Other topics include simple analysis of algorithms, basic searching and sorting techniques, and an introduction to software engineering issues through code discussions.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 310. Data Visualization. 3 Credit Hours.
This course examines the art and science of data visualization. It explores various visualization techniques and the way that shape, size, color, orientation, and motion influence the way information is comprehended. In this course we will study a wide-range of visualization techniques for creating effective visualizations. We will explore well established visualization techniques using products like Excel and Tableau, techniques that are used for visualizing social network through Gephi, while also pushing the boundaries of visualizations by developing our own using Python. Through class discussions we will discuss appropriateness of the various techniques while trying multiple techniques on the same dataset to explore the effectiveness of visual comprehension.
Prerequisites: ISA 221 or instructor permission, and sophomore standing

Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 311. Introduction to Cybersecurity. 3 Credit Hours.
The rapid growth of IT and our dependence upon it have made it imperative that students understand the importance of security both in the workplace and at home. Smart devices have made our lives more convenient in recent years, however, they have also exposed us to increasing threats as bad actors find new ways of exposing our persona data as well as threatening businesses with ransomware. This course is designed to introduce students to the many aspects of cybersecurity using a hands-on approach in a virtual lab. This course will explore common threats such as SQL injection attacks, cross-site scripting, mobile and wireless security, packet sniffing and spoofing and how to best secure your personal and business assets. Additionally, public and private key security and encryption will be examined.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 320. Information Technology in Supply Chain Management. 3 Credit Hours.
The purpose of this course is to discuss how IT is used to enable supply chain management and to improve the performance of the supply chain. Major topics include the role of IT in the supply chain, enterprise resource planning (ERP), innovative technologies in the supply chain, IT enablers for supply chain performance, and internet-based supply chain and supply chain security. Hands-on exercises in a simulated SAP ERP system and real-world cases will be used in helping students understand course concepts. This course is cross listed with GSCM 320.
Prerequisites: ISA 201 and MGT 201 or MGT 201G
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 330. Programming for Data Science. 3 Credit Hours.
This course is an advanced Python programming course focusing on common programming tools used for Data Science application development with an emphasis on libraries commonly used by Data Scientists (NumPy, Pandas, etc). Data analysts often implement their solutions using programming languages such as R and Python. Because of this, it is critical that the data analyst/scientist be comfortable in such development environments and be able to understand when a solution needs to be programmatically developed. The course covers hands-on programming techniques for analytics which includes web scraping and other data extraction techniques, data transformation, data staging, data analysis, and finally data presentation and visualization. The course will give the students the skills to highlight their capability of producing notebooks appropriate for a data analytics/data science application.
Prerequisites: ISA 221 and sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 332. E Business Models. 3 Credit Hours.
E-Business is doing business activities over an IT platform that uses Internet-related protocols. E-Business activities include not only the business to consumer direct selling over the web but also business-to-business logistics, and all the back-end computer activities within the firm that use Internet protocols. Business organizations are implementing radical changes in the marketing, advertising, and delivery of their products and services. Through the implementation of electronic business technology, organizations are extending their boundaries beyond traditional "bricks and mortar" establishments to a new virtual marketplace that has global reach. Conventional business practices in the areas of advertising, marketing, production, and customer service are being radically transformed by this new platform that permits world-wide connectivity on 24/7 basis.
Prerequisites: ISA 201 and junior standing
Session Cycle: Varies
Yearly Cycle: Annual.

ISA 340. Introduction to Machine Learning. 3 Credit Hours.
This is an introductory course requiring no previous knowledge of machine learning. We focus on using Python, and machine learning libraries such as the scikit-learn library, and work through all the steps to create a successful machine learning application. This course does not focus too much on the math, but rather on the practical aspects of using machine learning algorithms to solve problems such as fraud detection. To ground this course we will supplement machine learning algorithms and techniques with case studies and problems such as: House Price Prediction, Handwritten Character Recognition, Credit Card Fraud Detection, Market Segmentation, Churn Prediction and Drivers, Customer Lifetime Value (CLV) Prediction, Photo Classification, People Identification, Document Classification and more.
Prerequisites: ISA 330 or instructor permission, and sophomore standing

Session Cycle: Every Semester
Yearly Cycle: Annual.

ISA 341. Database Management Systems Principles. 3 Credit Hours.
This course focuses on the principles of database design and application development in a database environment. Topics will include foundations of the database approach, objectives of this approach, advantages and disadvantages of database processing. A major emphasis will be placed on the Relational Database Model and will include techniques for designing and normalizing a Relational Database. Student projects will include developing application software using a database system.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 343. Infrastructure and Cloud Computing. 3 Credit Hours.
The computing infrastructure is constantly evolving due to the technological advancement and business needs. This course introduces the hardware, system software, the cloud and their integration to drive and support business. This course also brings together the technical knowledge and managerial knowledge in various class activities to demonstrate computing infrastructure's design, implementation and maintenance. Topics include computer hardware components, operating systems, computer networks, middleware, virtualization and Big Data support.
Prerequisites: ISA 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ISA 345. Web Design and Development. 3 Credit Hours.
This course covers the basic principles of designing and implementing websites, focusing on the client-side technologies of web page creation. No programming background is required, although students will learn some programming through scripting languages. Course topics include web graphics, information structuring, development of interactive pages (using forms and JavaScript), event handling, implementation issues and techniques, web accessibility issues, and use of popular web development tools. Students will learn client side web development technologies such as HTML, JavaScript, jQuery, and Cascading Style Sheets.
Prerequisites: ISA 201
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 360. Data Warehousing in the Age of Big Data. 3 Credit Hours.
The main objective of this course is to provide students with an overview of the design and implementation of distributed, parallel databases that could handle massively large data sets that may include billions of rows of data. The major topic include the introduction of big data and its processing architecture, data warehouse, database components and architecture, data distribution, access, storage and data protection, and database tools and utilities. This course offers practical, hands-on experience with retrieving and manipulating data with advanced Structured Query Language (SQL), Hadoop, and NoSQL database.
Prerequisites: ISA 341
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 391. Information Systems and Analytics Internship. 3 Credit Hours.
ISA internships give students the opportunity for supervised employment in an area where they can apply the information system principles and techniques they have studied through our curriculum. Interns work at least ten hours per week, correspond periodically with a supervising faculty member, and prepare a substantive report on their work experience.
Prerequisites: ISA 221 and ISA 341 and junior standing is required.

ISA 441. Systems Analysis and Information Technology Consulting. 3 Credit Hours.
Programming is only a small part of designing information systems. A systems analyst works like an investigative journalist, gathering information about the business problem so that an effective technology solution can be designed and constructed. This course teaches you what to look for and how to find it. You will learn structured techniques and less-structured guidelines which will aid in the search for understanding of the organization, its existing systems, and the proposed system. Programming design techniques are also covered. Teams of students will develop a plan for building a complete computer information system for a real or fictitious company.
Prerequisites: ISA 221 and ISA 341 and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 442. Project Management and Practice. 3 Credit Hours.
This course is intended to provide an introduction to Project Management as it applies to the Information Technology industry. The course will assist analysts, developers, team leaders and managers in developing an understanding of the purpose and benefits of project management by exposure to the concepts, practices, processes, tools, techniques, and resources used by the Project Manager during the project life cycle. The course will closely follow the framework of "best practices" of the Project Management Body of Knowledge, the leading professional standard for project management, with emphasis on its application to software and systems development projects.
Prerequisites: ISA 441 and senior standing
Session Cycle: Spring
Yearly Cycle: Varies.

ISA 445. Advanced Web Programming. 3 Credit Hours.
This course complements skills and content learned in ISA 345 Web Design and Development. The focus of ISA 345 is on browser/end user aspects of web operations while this course focuses on the server/provider aspects. Students will learn to develop server-side applications that mediate between an information source such as a database and the browser-end programs using popular web-application software. An introduction to XML and server side scripting is also presented.
Prerequisites: ISA 345
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ISA 460. Big Data Analytics and AI Applications. 3 Credit Hours.
The rapid growth of social media, the Internet of Things (IoT), and digital transformation has resulted in an unprecedented increase in both structured and unstructured data. Combined with advances in artificial intelligence (AI) and cloud computing, these developments have fundamentally transformed how data is processed and analyzed. This course equips students with the skills needed to store, manipulate, analyze, and visualize large-scale data in distributed computing environments. Students will learn data loading, cleaning, exploration, transformation, model building and tuning, as well as data visualization and communication using big data analytics frameworks and tools. In addition, the course introduces large language models, and the development of AI-powered applications through APIs from leading AI platforms. Students will gain hands-on experience by working with a large-scale, real-world dataset provided by an industry partner, culminating in a professional presentation of analytical insights and recommendations to the organization.
Prerequisites: ISA 340 and ISA 341
Session Cycle: Fall
Yearly Cycle: Annual.

ISA 470. Managing Global Information Resources. 3 Credit Hours.
Information systems provide the framework for decision making across the functional areas of an organization and are major enablers of globalization. This course provides a foundation in the principles and concepts of managing information resources in a global environment. The course focuses on alternative approaches to managing information resources such as computers, communication networks, software, data and information in organizations. Students will learn how multinational corporations are using IT to develop business solutions and obtain competitive advantage. Emphasis will be placed on viewing the organization in a global perspective, with the associated technological, cultural and operational issues that influence information resource management. Several real-world cases will be used to enhance students' understanding of the course materials.
Prerequisites: ISA 201 and junior standing
Session Cycle: Fall
Yearly Cycle: Varies.

ISA 472. IT Security and Risk Management. 3 Credit Hours.
This course explores IT Security from the perspective of risk management. Assessment of IT systems is critical to developing strategies to mitigate and manage risks. This course focuses on effective assessment strategies that ultimately help the student to implement effective and proactive risk mitigation measures and risk management practices. This course focuses on the IT security threat environment, cryptography, securing networks, access control, firewalls, host hardening, application security, data protection, and incident response. A clear theoretical understanding supports a practical component. Students will learn to audit information systems and use contemporary security software including intrusion big data analysis.
Prerequisites: ISA 201 AND one of the following courses: ISA 221, ISA 311, ISA 341, ISA 343 and ISA 345. Junior Standing OR Permission of instructor
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ISA 490. Data Science Capstone. 3 Credit Hours.
To become an expert data scientist students need practice and experience. By completing this capstone project students will get an opportunity to apply the knowledge and skills that were gained throughout this major. This capstone project will test student skills in data visualization, data wrangling, data organization, machine learning, analysis, and presentation. Projects will be drawn from real-world problems and will be conducted with industry, government, and academic partners. During the project, students engage in the entire process of solving a real-world data science project, from defining the problem or opportunity, collecting and processing actual data, selecting and applying state of the art data science techniques to the problem and identifying actionable results. Emphasis will be placed on problem solving via state of the art data science pipelines and practices, and on the ability to “tell a story” using verbal, analytical, written and visualization skills.
Prerequisites: ISA 340 or instructor permission and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

ISA 497. Directed Study in Information Systems and Analytics. 3 Credit Hours.
This course provides an opportunity for senior information systems and analytics majors to do independent, in-depth study or research. The student works on an individual basis under the direction of a member of the ISA department. Normally the course requires the student to develop a substantial paper or project.
Prerequisites: Permission of the instructor and department chair approval.

Language Studies (LS)

LS 271. Understanding Contemporary Asia. 3 Credit Hours.
This course is taught in English and designed for students who have little or no background in East Asian cultures and languages will offer students an opportunity to explore East Asian societies with a main focus on China, Japan and South Korea by exploring various contemporary cultural and linguistic aspects of these East Asian countries. It aims to increase students' knowledge of East Asian customs, foods, music, literature, popular art, people, societal norms and languages. By the end of the course, students will acquire a deeper understanding of East Asian cultures and improve their overall intercultural competence.
Session Cycle: Every Fall Semester.

LS 275. How Language Works. 3 Credit Hours.
In this course you will explore the intuitive knowledge that a native speaker of a language possesses and acquire greater insight into the intricacies of human language. Topics include the origins of language, units of meaning, computer processing of human language, sentence structure, speech production, language in context, language in society, language and culture, native and non-native language development, shades of meaning, conversational norms, language change over time, artificial language, and writing systems.

LS 302. Language, Thought, and Society. 3 Credit Hours.
Language is a tool for creative expression, cognition, and social interaction. Philosophy of language, neurolinguistics, psycholinguistics, and sociolinguistics are all examples of highly successful and productive consilience of language study with the humanities, biology, psychology, and the social sciences. People are sentient beings, capable of experiencing a broad range of psychological states. This course draws on the unity of knowledge in an effort to account for the richness of our mental lives and the flexibility of our behavior.

LS 303. French Studies. 3 Credit Hours.
Biocultural theory posits the co-evolution of genes and culture. Language, culture, and imagination confer survival advantages to humans as a social species and have preserved evolved human complexity. This course takes biocultural approach to the works of French philosophers such as Montaigne, Descartes, Rousseau, Diderot, Voltaire, Saussure, Derrida, Beauvoir, Foucault, and Lacan. Students may take the course more than once, as different iterations. Topics of a given iteration may include humanism, skepticism, dualism, primitivism, language, textualism, indeterminacy, relativism, feminism, constructivism, historicism, and psychoanalysis. Materials and instruction are in English. This course is cross-listed with HIS 303.
Prerequisites: 200-level history course.

LS 304. Italian Studies. 3 Credit Hours.
This course focuses on the history, society, politics, culture, and economics of modern Italy and its predecessors on the Italian Peninsula. Students may take the course more than once, as different iterations. Topics of a given iteration may include humanism, science, philosophy, the Inquisition, fascism, and the Vatican. Materials and instruction are in English. This course is cross-listed with HIS 304.
Prerequisites: 200-level history course.

Legal Studies (LGLS)

Courses

LGLS 211. The Legal Environment of Business. 3 Credit Hours.
This course emphasizes the nature of legal systems and processes. Topics include agency, contracts, the Uniform Commercial Code, debtor-creditor relationships, government regulation of business, and business structure (selection of a business entity).
Prerequisites: Sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LGLS 230. Introduction to the U.S. Legal System. 3 Credit Hours.
This introductory law course provides an overview of the U.S. legal system. The course introduces students to various areas of law including the sources of law and the court system, constitutional law, civil law and procedure, criminal law and procedure, and the regulatory state. The course also explores the connection of the U.S. legal system with the international legal system and the legal systems of other countries. Students will acquire foundational understanding of the ways in which the U.S. legal system operates and enhance their ability to analyze and resolve problems.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LGLS 320. Global Legal Traditions. 3 Credit Hours.
This course introduces students to the comparative study of law. Students learn how laws differ from the across countries. The course places national laws in the broader context of major legal traditions, including common law, which has been the most influential in shaping American law. Each tradition is examined in terms of its institutions and substantive law, its founding concepts and methods, its attitude towards the concept of change and its teaching on relations with other traditions and peoples.
Prerequisites: LGLS 211 or LGLS 230, Sophomore Standing
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 330. Criminal Law and Procedure. 3 Credit Hours.
This course focuses on criminal law and procedure. Students learn about the foundations of criminal responsibility, the definition of common crimes, and criminal procedural requirements. The objectives of this course are to learn the substantive and procedural criminal procedure, gain knowledge of constitutional rights in the context of criminal law and procedure, and gain an understanding of the moral, philosophical, and public policy considerations in the use of criminal sanctions. Substantive law topics include how guilt is established, justification of punishment, defining criminal conduct, inchoate crimes. Procedural law topics include right to counsel, search warrant and permissible warrantless searches, jury selection, negotiated pleas, and the rules of evidence.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Spring
Yearly Cycle: Annual.

LGLS 340. The Legal and Ethical Aspects of Generative Artificial Intelligence. 3 Credit Hours.
This course explores the legal, ethical, and societal implications of artificial intelligence. Topics include data privacy, algorithmic bias, intellectual property, accountability, and the regulation of AI technologies. Students will examine real-world case studies and engage in critical discussions about responsible AI development and deployment. Emphasis is placed on understanding how laws and ethical frameworks apply to emerging AI systems across industries.
Prerequisites: LGLS 211 or LGLS 230 and Sophomore Standing
Session Cycle: Every Spring Semester.

LGLS 351. Civil Rights and Liberties. 3 Credit Hours.
In this course students examine the legal principles and rules that define the nature and limits of American government and the rights of citizens under the Constitution. The course stresses analysis of Supreme Court decisions and their influence on American political and economic development.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 354. Communications Law. 3 Credit Hours.
A study of the legal rights and privileges of communications media, this course emphasizes the following topics: written communications; the problems of right to know versus right of privacy; libel, defamation, copyright, and infringement; examination of regulatory agencies; and theories of the First Amendment.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Spring
Yearly Cycle: Varies.

LGLS 356. Law and the Digital World. 3 Credit Hours.
The course provides an overview of legal and policy issues related to the impact of modern technology on society. Students are exposed to the key laws, regulations and cases relating to the digital world. The course is divided in four sections: a study of the infrastructure of the Internet and its regulation; the protection of individual rights in the cyberspace; the protection of society from cyber threats; and the regulation of private companies operating in the digital world. The course explores the legislative and technology landscape in this dynamic area and provides students with opportunities to discuss cutting-edge issues at the intersection of law, technology, and policy.
Session Cycle: Varies
Yearly Cycle: Varies.

LGLS 360. Law and Society. 3 Credit Hours.
This course is an introduction to the field of law and society. Students examine the nature of law and what we can and cannot expect it to do for us; the manner in which law and legal categories shape society; the role of lawyers, judges and other legal actors in the legal system; the basic structure of the judiciary and how cases flow through the court system, and controversial legal issues in such areas as business, medicine, and gender. Emphasis is placed on issues that illustrate the interaction between law and social control and law and social change. The course draws from a variety of perspectives including sociology, political science, history and philosophy. A major goal of the course is to give students a practical foundation in the critical assessment of law and legal thinking as well as improving their ability to make arguments in writing and orally.
Session Cycle: Varies
Yearly Cycle: Annual.

LGLS 380. Sport and the Law. 3 Credit Hours.
Sport acts as a prism on society. Sport can reflect and forecast changes in our society on local, regional, national and international levels. These changes and their interrelationship with Sport are studied in this class.
Prerequisites: LGLS 211
Session Cycle: Spring
Yearly Cycle: Annual.

LGLS 381. International Law. 3 Credit Hours.
International law encompasses the binding rules, norms and principles that govern the interaction among states. This course will introduce students to the basic concepts and problems of international law and of the international legal system, and will cover topics in this field such as the sources of international law, sovereignty, jurisdiction and responsibility of states, treaty law, non-intervention principles, the relationship between international law and national law, dispute resolution and international litigation. It will also address newer themes in international law such as the impact of international organizations and other "actors" in international law, international criminal law, the use of force and terrorism, and international environmental law.
Prerequisites: Sophomore standing
Session Cycle: Fall
Yearly Cycle: Varies.

LGLS 382. Nonprofit Law and Governance. 3 Credit Hours.
This course explores law, governance, and public policy issues surrounding the nonprofit segment of the US economy. Students will learn about the process of forming, maintaining, and governing a tax-exempt nonprofit organization. The course will examine the duties and liabilities of directors and officers, as well as other options to "do good" such as fiscal sponsorship.
Prerequisites: LGLS 211 or LGLS 230
Session Cycle: Spring
Yearly Cycle: Varies.

LGLS 383. Health Law. 3 Credit Hours.
This course investigates how law regulates health and affects the health care industry, health care practitioners, patients, scientists, and other stakeholders. Each semester the topics included in the syllabus vary depending on what is currently debated. A list of topics for a past semester includes infectious disease, privacy, quarantine, FDA regulation, clinical trials, direct-to-consumer advertisement, medical tourism, reproductive health, rationing, abortion, end of life, and others.
Prerequisites: Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Varies.

LGLS 386. History, Law, and the Holocaust. 3 Credit Hours.
This course will explore in depth the Holocaust and its impact on the development of international law after 1945. Topics will include anti-Semitism, the rise of Hitler, the Final Solution, minority rights, domestic legal actions against perpetrators, the Nuremberg International Military Tribunal, Allied military courts, and subsequent national and international trials of accused Nazi war criminals. The course concludes with an examination of some of the leading post-Nuremberg topics in international human rights law today, including peremptory norms, transitional justice, hate speech prohibitions, and Holocaust denial. This is a cross-listed course with HIS 386.
Prerequisites: 200 level History course and sophomore standing
Session Cycle: Varies
Yearly Cycle: Annual.

LGLS 411. Markets and the Law: The Uniform Commercial Code. 3 Credit Hours.
This course provides an advanced look at some of the provisions of the Uniform Commercial Code. Topics include contracts, sales, negotiable instruments, and secured transactions. These topics are of particular concern to those who are interested in becoming accountants.
Prerequisites: Junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 412. Law of Financial Institutions. 3 Credit Hours.
This course offers a study of the laws and regulations that govern U.S. financial institutions and the federal agencies that regulate those institutions. We analyze the creation and actions of the monetary system and capital markets. We examine the evolution of regulatory efforts and analyze current issues and challenges that face regulators and institutions going forward. In particular, we will examine the 2007-2008 meltdown of the mortgage, securities, banking and derivatives industries, and the federal actions (legislative and regulatory) undertaken in response to those crises, with a particular focus on the provisions of the Dodd Frank Wall Street Reform and Consumer Protection Act of 2010.
Prerequisites: Junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

LGLS 413. Gender and the Law. 3 Credit Hours.
Gender & the Law reviews the history and continuing social battles over gender and gender-relevant issues from a legal lens. Various examples serve as illustrations of how law and policies can and have been utilized to improve and to worsen social problems and discrimination in the United States and in selected foreign jurisdictions and regions. The class examines how, in the United States, law has affected social issues related to gender; sometimes creating the inequalities and inequities for marginalized sex and gender groups and sometimes as instrumental for breaking down barriers for women and transgender persons. The class covers women's rights movements in other regions of the world and the role of international law and women's movements. Policy issues can include voting rights; privacy; affirmative action; abortion; reproductive rights; dress codes; rape laws; domestic violence and human trafficking; and discrimination based on sex and sexual orientation.
Prerequisites: LGLS 230 or LGLS 211.

LGLS 443. Legal Ethics. 3 Credit Hours.
Thinking deeply about the nature of "the Good" is the starting point for investigating the purposes of law. To this end, Legal Ethics introduces the student to the leading ethical systems that have guided human thought about the Good. Using examples from both U.S. and international law, the course helps the student to integrate an understanding of ethical systems and theories of moral development into the study of law broadly considered. For qualified students, this course may be taken as a 500-level graduate content level course. Permission of the instructor is required.
Prerequisites: Sophomore standing and one 300-level Legal Studies course or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Varies.

LGLS 451. International Business Law. 3 Credit Hours.
This course will address both the broader issues of government control of international business and the process of doing business overseas. It will compare the unique culture and legal systems of the United States, Europe, Japan and the Middle East. In addition, the course will focus on the mechanics of doing business overseas under international agreements such as GATT, NAFTA and the European Union.
Prerequisites: LGLS 211 or permission of the instructor
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LGLS 490. Seminar in Politics and Law. 3 Credit Hours.
This seminar serves as the interdisciplinary capstone course for students in the Politics and Law major. Structured as a series of discussions on pressing political and legal questions, the course emphasizes critical dialogue, collaborative inquiry, and reflection. Students will analyze complex problems and consider their ethical, institutional, and theoretical implications through rigorous analysis, presentations, and writing that demonstrate integrative thinking across the major. This course is cross-listed with POLS 490.
Prerequisites: Politics and Law major and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

LGLS 497. Directed Study in Legal Studies. 3 Credit Hours.
Under faculty supervision, students pursue a well-defined area of interest in legal studies.
Prerequisites: LGLS 211 and permission of the instructor.

Literary and Cultural Studies (LCS)

Courses

LCS 220. Introduction to Arts and Creative Industries. 3 Credit Hours.
This course explores creativity and the arts as an essential part of the human experience. Students are introduced to the scholarship of creativity, engage in creative practice, and examine the field of creative industries. With a focus on creativity through visual art, performing arts or creative writing, this course has both a hands-on approach to creative production and a concentration on the industries that support this production. Depending on the section, experiential aspects may include drawing, painting and design (visual arts), improvisation/theater, storytelling and music (performing arts), and poetry, fiction and non-fiction (creative writing). Students will contemplate creativity as an intrinsic part of their personal and professional lives and a driving force in a variety of creative industries.

LCS 221. Studies in Fiction. 3 Credit Hours.
In this course, students investigate various forms of narrative literature such as novels, short stories, and experimental narrative forms. Imaginative and active readings of these forms will be encouraged through study of the theoretical literature as well as historical and cultural contexts.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 222. Studies in Nonfiction. 3 Credit Hours.
This course will offer students the opportunity to read, analyze, and conduct research on works of nonfiction. Featured texts for study may include biographies, autobiographies, news reportage, journalism, nonfiction novels, essays, film documentaries, collections of letters, and journals.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 223. Studies in Poetry. 3 Credit Hours.
In this course students will investigate the power of poetry from diverse perspectives. Focusing primarily upon poetry as a craft, students will come to understand the relationship between the strategic decisions poets make and the meanings derived through active and imaginative reading. In addition, students will examine poems as the results of historical and cultural circumstances and as products of poets' experiences.
Session Cycle: Varies.

LCS 224. Introduction to Hip-Hop Culture. 3 Credit Hours.
This course explores hip-hop culture and its impact on society. Introduction to Hip-Hop Culture delves into the birthplace of Hip-Hop, the West African cultural influences, and the diverse musical traditions that set its foundation, such as blues, jazz, funk, and soul. It examines hip-hop as a significant cultural and political movement shaping African American identity in American society. Introduction to Hip-Hop Culture will provide an overview of the cultural movement and art form through several critical themes, including African Cultural Retention in the American Context, the History of African American Music Traditions and the Birth of Hip-Hop, Political Activism in Hip-Hop, Gender Dynamics in the Black Community and Hip-Hop Culture, and Hip-Hop and its Global Impact. This course compels students to think, write, engage with, and discuss hip-hop's origins, themes, and future in the context of African American life, history, and culture.

LCS 225. Professional Writing. 3 Credit Hours.
This professional writing course introduces students to the strategies and skills necessary for effective written communication and documentation across a variety of fields. Through critical analysis and applied practice, this course fosters an understanding of professional writing as both a practical skill and an ethical responsibility. Focusing on adapting complex, field-specific knowledge for diverse and general audiences, students will learn to analyze and produce clear, engaging documents tailored to professional contexts. Additionally, students will explore the ethical dimensions of professional writing, including issues of accuracy, confidentiality, bias, and responsible use of AI tools in workplace communication, preparing students to navigate professional discourse in their careers.
Prerequisites: Sophomore Standing
Session Cycle: Every Fall Semester.

LCS 230. Introduction to Film Studies. 3 Credit Hours.
This course has three major aims: to introduce students to what might be called the language of film, to investigate the relationship between movies and culture, and to consider film as both an art form and a social practice. Students will examine the tools filmmakers employ to bring their works to the screen, including cinematography, production design, acting, editing, music, sound design, and narrative structure. Students will also focus on how the cinema both reflects and perpetuates aspects of culture, investigating images of masculinity, femininity, class, and race relations. By semester's end students should have a much clearer sense of what goes into the making of movies, and should have become more active, critical viewers of film. This course is cross-listed with COM 230.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LCS 240. Introduction to the Environmental Humanities. 3 Credit Hours.
Why has nature been considered separate from human culture and why has this disconnect persisted? How can the humanities prepare us to face and accept the climate crisis and create new processes, connections, and ways of thinking and being to meet this challenge? From visual art and film to philosophy, literature, and popular culture, introduction to the environmental humanities and ecocriticism tackles these questions while raising more about ethical and political considerations for the environment, nonhuman animals, and environmental justice. Emphasis will vary.

LCS 250. Women, Gender, and Sexuality Studies. 3 Credit Hours.
This course offers students the opportunity to apply a critical lens to fundamental structures of human interaction and cultural production. Students learn about current scholarship in women's history and culture, gender studies, sexuality studies, feminist and trans* theory. Questions motivating this scholarship include: How have gender and sexuality been used as systems of social control throughout history? How have they served as catalysts for social change? Are gender and sexuality biologically determined or socially constructed? What messages do mass media and popular culture communicate about gender and sexuality, and how do these messages influence self-identity? In studying a range of interdisciplinary perspectives, students develop a deeper understanding of the structures of power that shape gender and sexual identity. This course is cross-listed with WGS 250.

LCS 251. Studies in Drama. 3 Credit Hours.
This course focuses on dramatic literature in its various forms. Students will examine representative works, which may be drawn from any historical, cultural, and social documents. Elements of performance may also be addressed.

LCS 260. Introduction to Philosophy. 3 Credit Hours.
Philosophy is the study of ideas central to the ways we think and live. However, the value of many of our key concepts is often hidden or taken for granted. We forget why truth matters or acting decently is a minimal requirement for treating others justly. Philosophy cultivates techniques for understanding the reasons for our choices, actions, thoughts and beliefs. Philosophy, more than any other field, is not so much a subject as a way of thinking, one that can be appreciated fully only by joining in. When reading about metaphysics, for example, you want to consider your own views of reality. Arguments are from Western and non-Western as well as classical and contemporary philosophies.

LCS 270. Introduction to Cultural Studies. 3 Credit Hours.
Students will have an opportunity to reflect upon a wide variety of texts —from art and literature to various forms of popular culture (such as film, television, popular music, celebrities, sports culture). Cultural studies ask questions such as: What are cultural practices and their relationship to power? What does it mean to make culture and to be made by culture? How do we study culture as it is situated in society and its multiple conflicts? With this course as a foundation, students will be able to take advanced courses in Literary and Cultural Studies that build upon diverse traditions of cultural studies–diasporic studies, disability studies, ethnic studies, gender and sexuality studies, media studies, women's studies.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LCS 280. Introduction to World Music. 3 Credit Hours.
In this course, students learn about music as an expressive art form. Part of the course is dedicated to "hearing" music, where students build a vocabulary of terms for describing music and expanding their ability to appreciate a diverse body of sounds. Learning terms, such as timbre, melody, harmony, as well as indigenous vocabularies, and listening to musical examples are central components of this course. In addition to hearing music, students also study the cultures of music, which includes understanding different conceptions of aesthetics, traditions, values, politics, and other areas of society that inform the composition and performance of music. Through listening to and learning about music in many parts of the world, students will better appreciate diverse ways of hearing sound and expressing culture.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LCS 282. Introduction to American Studies. 3 Credit Hours.
This course introduces students to key themes, concepts, and debates in American Studies. Students use a foundation in American Studies methodology to interpret a range of materials and develop a richer understanding of the United States, its cultures, and its peoples. Objects of study may include literary texts, films, historical documents, music, visual art, and products of popular culture. Specific course topics may vary. This course is cross-listed with HIS 282.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 326. Critical AI Studies. 3 Credit Hours.
Does the rise of AI signal the end of the humanities, or a new era of co-evolution? This course examines the intersection of human intelligence and machine learning through the lens of philosophy, art, and ethics. Using empirical and theoretical research, students debate whether machines can possess consciousness, how AI inherits systemic bias, in addition to AI impacts on our relation to borders, cultural difference, the environment and other pressing issues. We ask how "thick" humanistic methods such as close reading, inter-medial practices (traditional and NN-based), and process-oriented learning can challenge or support AI computing. Through a mixture of multi-disciplinary texts, reflections, AI prompts, and creative projects, students will leverage the humanities to foster critical thinking about human-machine interactions, creativity, and meaning making in a post-AI world.
Prerequisites: Sophomore Standing
Session Cycle: Every Spring Semester.

LCS 341. Philosophy of Art. 3 Credit Hours.
This course examines the history of aesthetic theory to see various and conflicting ways in which people have understood the nature and purpose of art. It also examines art and its many forms - visual arts, literature, music, film, performance - to consider the philosophical issues raised by the art itself.
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 352. Studies in Poetry. 3 Credit Hours.
In this course students will investigate the power of poetry from diverse perspectives. Focusing primarily upon poetry as a craft, students will come to understand the relationship between the strategic decisions poets make and the meanings derived through active and imaginative reading. In addition, students will examine poems as the results of historical and cultural circumstances and as products of poets' experiences.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 354. Animation Theory, History, Practice. 3 Credit Hours.
Animated film has a long rich history and an exciting present. Some of the earliest "moving images" were made using animation techniques; early film abounded with creative use of animation; many of us grew up loving Disney as children and anime' as young (and not so young) adults; some of the most exciting films of our own era, like Avatar, deploy animation techniques for their stunning visual style, and animation's significance transcends the cinema in video games and military training and news simulations. This course is built upon the premise that animation is a vital component of film studies and central to contemporary visual culture and aesthetics. Students in this course will explore its theory, history and practice.
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 356. Studies in Narrative. 3 Credit Hours.
In this course, students investigate various forms of narrative literature such as novels, short stories, and experimental narrative forms. Imaginative and active readings of these forms will be encouraged through study of the theoretical literature as well as historical and cultural contexts.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 357. Studies in Ethnic Literature of the United States. 3 Credit Hours.
This course examines the literature of the United States from the perspective of minority writers: African, Asian, Hispanic, Chicano and Caribbean Americans. Students will explore the ways in which these "other" Americans have brought their various backgrounds and differing world views to bear upon the national literature. Emphasis will vary.
Session Cycle: Fall
Yearly Cycle: Varies.

LCS 358. Introduction to Studies in Jazz. 3 Credit Hours.
This course introduces students to the American art form of jazz, building an appreciation of it, its different forms, its practitioners, and the various cultures that spawned and have nurtured it. The course includes music theory; African, American, and European social and cultural history; jazz's roots in slave, Gospel, R&B, blues, and soul music; the economics of the music and recording industries; and the relationship between the bounded culture of jazz and its adherents and the larger dominant culture.
Prerequisites: Sophomore standing
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 359. Music and Society. 3 Credit Hours.
In this course, students learn about traditional and popular musicians, songs, and genres in different parts of the world, and the ways that music impacts communities, politics, and everyday life. Students study musical aesthetics, traditions, values, and other cultural attributes that shape compositions and performances. Through listening to and learning about music in many parts of the world, students gain a stronger fluency in listening to and talking about music, as well as in comprehending the roles that music plays in shaping the world around us.
Prerequisites: sophomore standing.

LCS 360. Studies in Nonfiction. 3 Credit Hours.
This course will offer students the opportunity to read, analyze, and conduct research on works of nonfiction. Featured texts for study may include biographies, autobiographies, news reportage, journalism, nonfiction novels, essays, film documentaries, collections of letters, and journals.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 361. Studies in International Literature. 3 Credit Hours.
This course focuses on the interrelations between representative texts from different cultures. The course may concern the literature of a particular region (Central Europe, Latin America) or a specific historical moment (literature of the New Europe). Readings in literary theory address how to approach diverse literary and cultural texts from a variety of countries. Readings, both fictional and theoretical, will be in English translation.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 362. Topics in the Environmental Humanities. 3 Credit Hours.
How can the humanities prepare us to face and accept the climate crisis and create new processes, connections, and ways of thinking to meet this challenge? Drawing on vibrant, recent scholarship in the interdisciplinary environmental humanities including visual culture, ecocriticism, film, literature, Indigenous Studies, critical race studies, new materialisms, and animal studies, this course examines historical and contemporary relationships between human and more-than-human worlds of nature and the environment. Course topic themes will vary, but each iteration of LCS 362 will present opportunities for critique and creative production.
Prerequisites: Sophomore standing
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 363. British Literary Contexts Beginnings to the Restoration. 3 Credit Hours.
This course examines the critical, social, cultural, and historical contexts crucial for understanding British literacy production from the beginnings to the Restoration. Materials will include canonical and non-canonical works representing the broad diversity of perspectives and voices in British literature. Students will employ a variety of current critical methodologies to examine the ways texts both reflect and shape political and aesthetic values.
Session Cycle: Fall
Yearly Cycle: Annual.

LCS 364. British Literary Contexts Restoration to the Present. 3 Credit Hours.
This course examines the critical, social, cultural, and historical contexts crucial for understanding British literary production from the Restoration to the present. Materials will include canonical and non-canonical works representing the broad diversity of perspectives and voices in British literature. Students will employ a variety of current critical methodologies to examine the ways texts both reflect and shape political and aesthetic values.
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 365. American Literary Contexts Beginnings to the Civil War. 3 Credit Hours.
This course explores the critical, social, cultural, and historical contexts crucial for understanding American literary production from periods before European contact to just after the Civil War. Materials include canonical and non-canonical works representing the broad diversity of perspectives and voices in American literature. Students will employ a variety of current critical methodologies to examine the ways political tensions, social movements, cultural shifts and other influences shape, and are shaped by, American literary texts.
Session Cycle: Varies
Yearly Cycle: Alternate Years.

LCS 366. American Literary Contexts Civil War to the Present. 3 Credit Hours.
This course explores the critical social, cultural, and historical contexts crucial for understanding American literary production from after the Civil War to the present. Materials include canonical and non-canonical works representing the broad diversity of perspectives and voices in American literature. Students will employ a variety of current critical methodologies to examine the ways political tensions, social movements, cultural shifts and other influences shape, and are shaped by, American literary texts.
Session Cycle: Varies
Yearly Cycle: Alternate Years.

LCS 370. Poetry Writing Workshop. 3 Credit Hours.
The Poetry Writing Workshop introduces students to a hands-on opportunity to see how poetry is built. Through regular presentations of their original writing to the class, students learn to harness their imaginative potential while gaining important craft tools in form, revision, and the discipline of the art of writing. The fundamental structure of poetry is examined in assignments dealing with poetic devices, narrative point of view, imagery, and theme. Multiple exercises and poem assignments help students to work as writers do through the process of drafting, feedback, and rigorous revision. Outside readings illustrate how well-known writers have successfully dealt with writing situations applicable to student work. Additionally, students gain exposure to the contemporary writing world through presentations on literary journals, researching agents, college-level writing contests, and area readings.
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 371. Fiction Writing Workshop. 3 Credit Hours.
The Fiction Writing Workshop introduces students to a hands-on opportunity to see how stories are built. Through regular presentations of their original writing to the class, students learn to harness their imaginative potential while gaining important craft tools in form, narrative voice, revision, and the discipline of the art of writing. The fundamental structure of fiction is examined in assignments dealing with setting, character development, imagery, plot, and theme. Multiple exercises and story assignments help students to work as writers do through the process of drafting, feedback, and rigorous revision. Outside readings illustrate how well-known writers have successfully dealt with writing situations applicable to student work. Additionally, students gain exposure to the contemporary writing world through presentations on literary journals, researching agents, college-level writing contests, and area readings.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LCS 372. Creative Writing Workshop. 3 Credit Hours.
The Creative Writing Workshop offers students the opportunity to explore creative writing in specific genres or areas. Each course will address a distinct creative writing topic (for example, creative non-fiction, writing for children, memoir, or screenwriting). The course includes reading and study of the form, extensive drafting, and critique.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 374. Modern Art in Europe 1880-1945. 3 Credit Hours.
The politics and practice of visual art movements in Europe from the 1880s to World War II is the focus of this class. Avant Garde art movements and styles from this era include symbolism, expressionism, cubism, abstraction, futurism, and surrealism. Modern visual art of the late 19th and early 20th centuries will be discussed in terms of formal, political, historical, theoretical and social contexts. Students engage with critical and theoretical texts as well as the presentation of modern art in the context of cultural institutions.
Prerequisites: GEN 106 and sophomore standing
Session Cycle: Fall
Yearly Cycle: Alternate Years.

LCS 376. Global Art History Before 1850. 3 Credit Hours.
This is a roughly chronological series of case studies that explore histories, interpretations and reception of art and visual culture from prehistory to 1850. Emphasis is placed upon western narratives of art in the context of global contact, migrations, trade, colonialism and empire.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 378. African American Studies. 3 Credit Hours.
This course explores the past and present experiences, cultures, and achievements of people of African descent in the United States. It examines the history of slavery, colonialism, and systematic racism and their lasting effects. It also considers the complexity of Black identity in all of its incarnations. The specific focus of the course will vary.
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 379. Asian American Studies. 3 Credit Hours.
This course will allow students to explore the development of the field of Asian American Studies. Since its inception in 1969, Asian American Studies has developed into an incredibly rich interdisciplinary field that overlaps not only with the humanities but also with areas such as public policy, law, psychology, education, and social work. This course will provide an overview of three strands of Asian American Studies: literary studies, cultural studies, and social movement history in the United States. We will examine a variety of cultural texts: scholarly essays, documents from the Asian American Movement, imaginative literature, memoirs, films, hip hop/spoken word.
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 380. Latin American Studies. 3 Credit Hours.
This course carefully examines a variety of Latin American and Latinx traditions, histories, and forms of cultural production. It aims at expanding students' knowledge of Latin America, including U.S. Latinx communities, while providing the necessary tools to develop a culturally sensitive frame of reference. Emphasis may vary.
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 381. Native American Studies. 3 Credit Hours.
This course offers an interdisciplinary introduction to the history, culture, and contemporary experiences of Indigenous people in North America. Students will examine topics such as the impact of settler colonialism on Indigenous societies; the fight for political, cultural, and intellectual sovereignty; and strategies of decolonization, revitalization, and empowerment. Materials will reflect the broad diversity of Indigenous communities and contexts and may be drawn from film, visual art, music, education, performance, literature, activism, museum studies, and other modes of expression.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 382. American Studies. 3 Credit Hours.
This course examines primary sources - historical documents and novels - that have contributed to the formation of United States national culture. A selective history of American writing will provide the context for reading a set of classic American novels. Authors may include Herman Melville, Mark Twain, Willa Cather, and William Faulkner. Students that receive credit for ECS 382, American Studies cannot receive credit for this course.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 383. Sexuality and Culture. 3 Credit Hours.
This course will deal with a modern Western invention: "sexuality." The historical premise of the course is that during the second half of the 19th century pre-modern understandings of human sexuality were radically reconfigured to make way for new sexual paradigms organized around "homosexual" and "heterosexual" definitions. Both historical and theoretical, this course analyzes key texts from the canon of sexuality studies (Freud, Kinsey, Foucault, e.g.) and explores the cultural struggles resulting from thinking sexuality in binary terms: not only homosexual/heterosexual, but natural/unnatural, normal/deviant, biological function/pleasure.
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 386. African Heritage in the Americas and Caribbean. 3 Credit Hours.
The objective of this course is to provide an international perspective of the African Diaspora by focusing on critical analysis of cultural products by authors and artists of African descent. We study a variety of cultural expressions including, music, festivals, literature, painting and religion. The primary focus is on Latin America and the Caribbean, although discussions will remain a dialogue with works by scholars and artists from Africa, United States and Britain.
Prerequisites: Sophomore standing
Session Cycle: Fall
Yearly Cycle: Annual.

LCS 387. African Popular Culture. 3 Credit Hours.
In this course we examine multiple forms of music, literature, and art in sub-Saharan Africa to better comprehend their purpose and function in daily African life. Music, literature, and art reflect a diversity of ideas that exist on the African continent. These artistic forms teach us about history, politics, and culture, as well as artists' views of their social conditions. By the end of this course, students will have a strong appreciation for the diversity of people and art in contemporary Africa, and a working knowledge of the current issues and concerns facing people living on the continent.
Session Cycle: Fall
Yearly Cycle: Varies.

LCS 388. Religious Studies. 3 Credit Hours.
This course can cover a variety of religions, including Hinduism, Buddhism, Confucianism, Judaism, Christianity, and Islam. Currently, this course is taught as an introduction to Judaism through the examination of traditional texts throughout Jewish history. Biblical, Rabbinic, legal, philosophical and theological works will be studied through traditional partnered text study, along with modern scholarship on the time periods and texts covered. Examining Judaism as a living evolving entity throughout its history will lead to a survey that looks at the past through written works and raises questions about the present and future.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

LCS 402. Life and How to Live It. 3 Credit Hours.
This course attempts to answer two fundamental questions: What does it mean to live well? What does it mean to die well? The course format is unconventional: For ten weeks, class meets Wednesday for five hours (class meets for 60-90-minutes the remaining weeks). Students check their laptops and phones at the classroom door. Students receive a short book at the beginning of each five-hour session. Over the course of an evening, we read together, eat together, and discuss the book together. The booklist covers an international range of literary and philosophical works: some ancient, some contemporary, all thought-provoking. The course is about the process of learning as much as it is about the product: fifty percent of the grade rests on what occurs in the classroom; the other fifty percent on weekly journal reflections and one final paper. A proposal for this course was awarded Bryant University's Faculty Innovation Grant.
Prerequisites: Sophomore standing and Instructor approval
Session Cycle: Alternate Spring Semesters.

LCS 403. The Philosophy of Technology. 3 Credit Hours.
What is technology? How does it inform our understanding of what it means to be human? Reflecting on the nature of technology means engaging with one of our time's most imperative philosophical topics. To do so, this seminar begins with a historical overview of technological developments – from stone tools to industrialization – and their impact on human evolution and the development of civilizations. Using literature and philosophy as entry points, we'll then explore technology's cultural, ethical, and political implications in the contemporary world. By incorporating interdisciplinary perspectives from the humanities, sciences, and business fields, students will investigate what it means to be human in an era largely defined by rapid technological transformation.
Prerequisites: GEN 106, ANY 200 Level LCS Course and Sophomore Standing.

LCS 441. Film Theory. 3 Credit Hours.
Film can be entertainment or ideology and is often both at the same time. It is a beguilingly accessible form of media that has produced some of the greatest art of the twentieth and twenty first centuries. This is a course in film theory, which approaches film as both an art form and a social practice. Students will learn key texts in film theory, hone skills of visual analysis, and develop understanding of the social, cultural and political contests of film and visual culture. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: LCS 230 or COM 230
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 443. Editing and Publishing Workshop: The Bryant Literary Review. 3 Credit Hours.
This course provides students with mentorship in literary magazine editing and an opportunity to review submissions as part of The Bryant Literary Review's operations. The course focuses on independent publications, academic publishers, and literary journals. Students will evaluate and discuss the merits of the 250+ poetry and fiction submissions the BLR receives each fall. Each student in the course will become Student Editor of the BLR, and their name will appear in the volume's masthead. In addition, the course will introduce students to independent and academic publishing professionals who will visit class to discuss their work and the industry at large. Ongoing research and discussion of contemporary literary presses, journals, and industry practice both online and in print will be required. Students will gain hands-on, marketable experience in editing and publishing, networking opportunities with publishing professionals, and skills that can lead to a successful career in the creative industries.
Prerequisites: Sophomore standing and Permission of the instructor
Session Cycle: Fall.

LCS 456. Contemporary Literature. 3 Credit Hours.
Students examine new and evolving literary forms and styles through reading and analyzing literature of the past decade. Selections are drawn from various literary genres as well as current critical approaches. Through these texts, students explore numerous responses to today's world of changing social and cultural values. Emphasis may vary.
Session Cycle: Fall
Yearly Cycle: Varies.

LCS 457. Ethics. 3 Credit Hours.
This course is an introduction to Ethics and Moral Philosophy. It introduces students to the history of ethics and various ethical theories and concepts. Students apply ethical theories to concrete situations and contemporary issues. The primary texts are philosophical, but students will also use literary examples, films, newspapers and magazines as the basis for their discussions.
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 458. Anthropology of Music Industries. 3 Credit Hours.
This course pushes students to conceptualize the music industry as both a business and a site of creativity and individuality. To achieve this, students study the music industry in three ways: 1) theoretically, to grasp the concepts of commodification and creativity within the music industry; 2) practically, to understand the way that the industry functions as a business; and 3) ethnographically, to broaden their knowledge of industries in the United States and other parts of the world. At the end of the course, students will have a firm grasp of the global music industry, how it functions, and how they can better interpret its place within societies.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 461. The Image of Business in Literature. 3 Credit Hours.
This course offers insight into the world of business from a variety of literary, cinematic, and cultural perspectives. By examining the image of business and the business person/a as a theme in literature, and exploring varying concepts of success and suffering, students have an opportunity to build critical and constructive bridges between the humanities and business dimensions of their undergraduate studies.
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 462. Literature in a Historical Context. 3 Credit Hours.
The historical study of literature is often organized around movements, usually centering on a group of writers whose work shares several attributes and goals. This course examines one such movement or period in-depth. Possible offerings include Realism and Naturalism, Modernism and Post-modernism, Romanticism, and Gothic Literature.
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 463. Studies in Comparative Literature. 3 Credit Hours.
In this course we analyze literature within a cross-cultural intertextual framework. This course concerns the development of a genre in an international context. Possible themes include fantastic literature, utopian fiction and the detective novel. Courses often relate literature to corresponding artistic, social, and historical movements.
Session Cycle: Fall
Yearly Cycle: Alternate Years.

LCS 464. Major Literary Figures. 3 Credit Hours.
This course examines in-depth the work of one writer or a circle of writers. Along with focusing closely upon the literature itself, students will study the writer from a number of perspectives. Accordingly, readings may include biography, autobiography, letters, literary theory, and critical reaction from readers of the past and present. Authors who have been featured recently in this course include William Shakespeare, Toni Morrison, Emily Dickinson, and Latin American authors.
Session Cycle: Fall
Yearly Cycle: Alternate Years.

LCS 466. Women and the Creative Imagination. 3 Credit Hours.
This course considers the creative cultural production of women. The specific focus of the course varies depending on the instructor. Students may expect to engage case studies that range from film, to television, to fine art, to theater, to narrative, while exploring historical and recent critical theory on feminism, including the construction of women's gendered identities, sexual politics, and the intersectionality of gender and categories like race and ethnicity. The course may be retaken under different themes.
Session Cycle: Fall
Yearly Cycle: Annual.

LCS 467. Art and Politics in Nineteenth-Century France. 3 Credit Hours.
The focus of this course is a cluster of related concepts in late nineteenth-century French visual culture: place, politics, ecology, centers and peripheries. Paris's centrality as the 19th-century art capital of Europe and its symbolic function as the image of bohemian modernity will be countered by artists working from other places or identities such as the French suburbs, industrial zones, the seaside, the provinces, colonies and abroad. Cultural interchange between these places will be discussed as relationships of gender, race, ecology, politics and class. We will discuss 19th century paintings, sculptures and prints as material "things" on the market as well as images, and will consider their agency in the world.
Prerequisites: Sophomore standing
Session Cycle: Spring
Yearly Cycle: Alternate Years.

LCS 468. Studies in Graphic Narrative. 3 Credit Hours.
In this course, students will study comics and graphic novel as an art form with its own history and critical vocabulary. Autobiography, memoir, political documentary, and literary adaptation are a few of the new directions in the contemporary graphic novel. As a form of popular culture, the graphic novel raises cultural and historical questions that can be analyzed from a variety of perspectives. Possible authors include Art Spiegelman, Alan Moore, and Marjane Satrapi. For qualified students, this course may be taken as a 500-level graduate course. Permission of the instructor is required.
Prerequisites: sophomore standing
Session Cycle: Fall
Yearly Cycle: Alternate Years.

LCS 469. Studies in Political Satire. 3 Credit Hours.
This class examines the place of political satire within contemporary culture. It focuses on a wide variety of satiric texts on television, on film, on stage, online, and in print. The course also explores a number of contentious questions about satire, including whether it contributes to political understanding and engagement or merely circulates cynical withdrawal. Students will contemplate why satirical material is so popular right now, and, ultimately, what this tells us about the current state of politics, citizenship, and debate.
Session Cycle: Fall
Yearly Cycle: Annual.

LCS 470. Advanced Poetry Writing. 3 Credit Hours.
In this intermediate poetry writing course, students will continue the work of the poetry workshop, with particular attention paid to the initial work of making the poem, subsequent deep revision, and evolving language and detail. In addition to regular workshops, the course includes readings and presentations from the readings of modern and contemporary poets to help students develop insights into their own work, craft exercises in various forms of poetry, and create their personal set of poetic standards. A final portfolio of original poetry is required. Additionally, students gain exposure to the contemporary writing world through readying submissions for literary journals, researching publishers, and area readings.
Prerequisites: LCS 370 or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Varies.

LCS 471. Sex, Love and Social Media. 3 Credit Hours.
Through an interdisciplinary lens (philosophy, literature, economic theory, gender and sexuality theory), this course critically examines the effects of social media and global capitalism on friendship and intimacy. It asks: what model of friendship is currently culturally dominant? Is friendship merely another commodity useful in augmenting one's "human capital," or do traditional models of friendship still have relevance? Given the important role social media play in movements for social justice, what new avenues for creative cooperation and intimacy become available through social media? We will seek answers to these questions through philosophical, literary, and historical analyses of friendship and intimacy, paying close attention to non-normative, one might say "queer" relationship practices through the ages. This is cross-listed with WGS 471.
Prerequisites: Sophomore Standing
Session Cycle: Varies
Yearly Cycle: Annual.

LCS 480. Cultural Studies Abroad. 3 Credit Hours.
This course studies the culture, history and literature of a country or an international city. It includes a 10 to 12 day research trip to the location. Students read relevant social history to root them in an understanding of the significance of particular literary and cultural artifacts and locations. The course includes a student-designed research project, which is conducted while studying abroad. Expenses for the study abroad portion are in addition to the tuition for the course. Prerequisites are formal application approval and faculty permission as well as sophomore standing and LCS 121.
Session Cycle: Varies
Yearly Cycle: Varies.

LCS 490. Critical and Cultural Theory. 3 Credit Hours.
This course is designed for any student interested in advanced reading in critical theory. It focuses on the theoretical traditions which have shaped literary, cultural, and aesthetic analysis and interpretation in the 20th and 21st centuries. Students will read work from a number of fields--philosophy, social theory, linguistics, psychoanalysis, gender studies, etc.--in addition to reading and engaging creative texts, in order to develop familiarity with the critical methodologies of Literary and Cultural Studies. A culminating course for students in Literary and Cultural Studies, the course is also appropriate for other students, especially those wishing to pursue graduate study in the humanities or careers in cultural enterprises.
Prerequisites: Junior or senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

LCS 491. Creativity and Research Portfolio Workshop. 3 Credit Hours.
This course serves the Arts and Creative Industries and Literary and Cultural Studies programs. It offers students the opportunity to reflect on past work in their major or minor, develop their creative and critical process, and prepare for roles in the creative industries beyond graduation. Students will create portfolios for the purposes of exhibition, performance, or journal submission, professional job applications, or entry into graduate studies. Website development and social media applications will be discussed and practiced.
Prerequisites: Junior Standing or Instructor approval
Session Cycle: Spring
Yearly Cycle: Annual.

LCS 497. Directed Study in Literary and Cultural Studies. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the English and Cultural Studies Department. The main requirement of the course is the development of a substantial paper or project.

LCS ST302. Creative Writing Creative Field Trips. 3 Credit Hours.
This course explores the crucial decisions writers and artists make when engaging with the natural world. To truly engage, the writer-artist must venture out into the natural world, and that is exactly what our class will endeavor to do each week. This course is designed around a dozen creative writing field trips to outdoor and (a few) indoor spaces around the campus and in the areas immediately outside the campus. During our explorative journeys, we will engage with the environment in creatively immersive ways designed to help writers generate new material for poetry, fiction, and creative nonfiction. Activities will include hiking, journaling, (re)naming, description prompts, sensory scrutiny exercises, collaborative note-keeping, plein-air drafting, field guide development, and improvisational readings. This will be accompanied by a selection of readings on nature writing.
Session Cycle: Alternative Fall Semesters.

Management (MGT)

Courses

MGT 200. Management Principles and Practice. 3 Credit Hours.
It is the intent of this course to provide novice business professionals with state-of-the-art management knowledge to act effectively and think decisively. Students will be exposed to three conceptual areas of managerial behavior: leadership and organizational culture, performance management and employee engagement, and high-performing teams. Each module will include three to four topics intended to provide a high-level overview of these specific management practices, taught through the use of articles, experiential exercises, case studies, simulations, and videos. Through these actions and reflection, students will integrate their understanding of management theory with its practice to enable them to become impactful managers and leaders.
Prerequisites: Sophomore standing
Session Cycle: Fall, Spring, Summer
Yearly Cycle: Annual.

MGT 201. Operations Management. 3 Credit Hours.
In an increasingly competitive global economy, firms must produce high quality, low cost products and services. These products and services must be delivered when, where, and how customers demand them. This course introduces the most important theories and tools used to manage world class firms to achieve competitive advantage. A balance in emphasis between managerial issues and analytical techniques strengthens both critical thinking and problem solving skills. Topics covered include operations strategy, process design, quality, inventory theory, and project management.
Pre/Corequisites: MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 201G. Global Dimensions of Operations Management. 3 Credit Hours.
This course has a dual focus on both manufacturing and service operations in the global environment and is comprised of two sections. Section I, Foundations of Operations Management, will cover core operations management concepts including Operations Strategy, Process Design and Quality Management and Tools. In Section 2, Global Operations and Supply Chain Management, the focus will be on supply chain activities and how they are integrated to form a global supply chain. Key activities include Inventory Management, Warehouse and Logistics Management, and Lean Systems. Section 2 will help students recognize and meet strategic global operations management challenges, with an emphasis on attaining global competitive advantage.
Pre/Corequisites: MATH 201
Prerequisites: BSIB Major, BUS 100, and sophomore standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 203. Honors Management for Organizational Leadership. 3 Credit Hours.
The dominant focus of Management Principles for Organizational Leadership is to increase each student's decision-making effectiveness as future leaders of modern organizations. This course will assist individuals in becoming reflective management practitioners. Students will learn how to diagnosis case situations applying state-of-the-art management knowledge so they can provide sound solutions and decisively implement them. Students will be engaged in a highly interactive, cooperative learning approach throughout the course. They will be involved in team-based projects, simulations, team exercises, and case analyses in order to develop their interpersonal skills. In addition, an important part of the course will be a study of the leading management theorists and thinkers of the past century. This study will help students learn from the "masters" in how to become leaders who can meet the demands of today's global forces.
Prerequisites: honors program
Session Cycle: Fall
Yearly Cycle: Annual.

MGT 302. Organizational Behavior. 3 Credit Hours.
This course helps students to develop a more complete understanding of the distinctively human dimensions of management. Emphasis is placed upon the application of theory to real world problems as well as the development of interpersonal skills. Topics include such issues as motivation, leadership, group dynamics, and interpersonal communication.
Prerequisites: MGT 200 or MGT 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 312. Human Resources Management. 3 Credit Hours.
An in-depth study of the principles of human resources management, this course emphasizes the broad functions that managers and staff personnel officers must understand in order to develop an effective working force.
Prerequisites: Sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 356. International Business Management. 3 Credit Hours.
This course is designed for non-International Business majors. The International Business Management course provides an overview of the cultural, economic, legal, and political forces that shape the environment of international business. Students will develop knowledge and skills to help them manage businesses across international boundaries. This is an upper level course that emphasizes the ability for both effective oral and written communication, the application of analytical reasoning, the development of specific research skills for assessing the international context, and the use of experiential exercises to sensitize students to cultural differences.
Prerequisites: MGT 200 or MGT 203 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 357. Diversity in a Global Environment. 3 Credit Hours.
Diversity in a Global Environment responds to recent demographic changes and anticipates future demographic and cultural shifts in the composition of the workforce by framing diversity as a resource to be leveraged rather than a problem to be solved. This is accomplished through lectures, discussions, films, simulations, and case studies and other interactive media.
Prerequisites: Sophomore standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 358. Global Dimensions of Human Resource Management. 3 Credit Hours.
In this contemporary world of globalization, managing people in different forms of international ventures and work arrangements pose their own unique challenges that contribute towards the strategic decision making of the firm. This course is designed to meet the needs of managers and executives in developing successful human resource management policies and techniques in international settings. The first part of the course will focus on the specific HR challenges of managing international assignments - such as recruitment, selection, training, performance management, compensation and benefits. Second, it will move into the realm of comparative labor and industrial relations looking into the differences in union-management relations across the world. Finally the course will move into analyzing HRM issues in new, non-traditional work arrangements such as off-shored work, virtual teams and so on.
Prerequisites: Sophomore Standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 370. Managing the Nonprofit Organization. 3 Credit Hours.
The focus of Managing the Nonprofit Organization is the development of and day-to-day management and leadership of nonprofit organizations. Students will be challenged to assess theories of nonprofit excellence, accountability, funding and sustainability, while confronting the contextual issues facing the organizations. This course will be instructed by University faculty and community leaders whose expertise will provide students with challenging academic material and practical hands-on perspectives on a rapidly changing field.
Prerequisites: MGT 200 or MGT 203 and sophomore standing
Session Cycle: Spring
Yearly Cycle: Varies.

MGT 380. Compensation Management. 3 Credit Hours.
The purpose of this course is to provide students with an understanding of the basic elements of an effective and equitable compensation program and how an employer's compensation program can support both operational and strategic objectives. The course will review compensation plan objectives, techniques for implementing these objectives, as well as compliance considerations required by federal law and regulation.
Prerequisites: MGT 312 and junior standing.
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 381. Cross-Cultural Management. 3 Credit Hours.
This course emphasizes the cultural, organizational and management aspects of International Business. The primary focus is on specific issues such as leadership and motivation in a cross-cultural environment dealing with multiple cultures in multiple countries. Analysis of dealing with specific issues combines fundamentals in both organizational behavior and business, examining linkages between the two and developing analytical techniques for "real-life" problems and situations.
Prerequisites: MGT 302 and junior standing
Session Cycle: Varies
Yearly Cycle: Varies.

MGT 382. Strategic Management of Technological Innovation. 3 Credit Hours.
This course provides a strategy framework for high-technology, startup and multinational companies. The course is designed to help students develop strong conceptual foundations for understanding technological innovations. It will introduce concepts and frameworks for analyzing how firms can create, commercialize, and capture value from technology-based products and services. The course teaches students (a) to examine technical and managerial opportunities and challenges presented by emerging and evolving technologies in high-tech markets and organizations, (b) analyze the structure and develop managerial options available for both established and entrepreneurial organizations, and (c) develop appropriate strategies and processes for capitalizing on them. You will experience and explore creativity from individual and group perspectives through case study, hands-on learning and guest speakers from innovators and investors in industry sharing their experiences.
Prerequisites: IDEA 101 and MGT 200 or MGT 201G
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 391. Management Internship. 3 Credit Hours.
Students in this course engage in supervised employment within an area of management (e.g., human resources, operations, or general management) requiring applications of management theory and principles to the work environment. Job functions should include planning, organizing, leading, and/or controlling and require the use of a variety of managerial skills (e.g., analysis, decision making, communicating, etc.). Students must work at least ten hours per week on the job, correspond periodically with a supervising faculty member, and prepare a substantive report on the work experience and on the work experience and the studies involved.
Prerequisites: Junior/Senior standing; the approval of a supervising faculty member and the department chair.

MGT 413. Multinational Business Simulation. 3 Credit Hours.
This course involves a semester-long computer simulation in which the participants, working together in small teams, play the management roles of competing multinational firms. Though the course heavily emphasizes finance, marketing, and production decision making, participants will need to master all aspects of running an enterprise. The course offers many noteworthy features: international scope, strategic focus, lots of written and oral communication, considerable analytic work using spreadsheets and various statistical packages, and coping with sticky ethical and environmental issues. Students will develop leadership, as well as team building skills. Senior standing is required This course is cross-listed with BUS 413, FIN 413 and MKT 413, Multinational Business Simulation.
Prerequisites: FIN 201, MKT 201 or MKT 203 and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

MGT 440. The Design Thinking Process. 3 Credit Hours.
In this hands-on course, you will have an opportunity to learn and apply the design thinking process while simultaneously developing an understanding of the psychological (cognitive, behavioral) principles that underlie innovative thinking, problem-solving, and gamification. This course builds explicitly upon the introduction to design thinking that you received during the IDEA program. We will learn how design thinkers embrace a “test and learn” and “build to think” philosophy toward innovation.
Prerequisites: IDEA 101 and either PSY 260 or MGT 302
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 450. Internship: Human Resources Administration. 3 Credit Hours.
In this supervised internship students apply the principles of human resource management in a position requiring at least ten hours per week. This course requires a written report. Students must have the approval of a supervising faculty member and the department chair.

MGT 451. Human Resources Development. 3 Credit Hours.
This course examines four main components of Human Resource Development (HRD); training/ individual development, performance management, and organization development and career development. HRD processes needs analysis, learning acquisition, learning transfer and evaluation are examined in detail as are the critical components of performance management, organization development and career development systems. Finally the course explores the competencies HRD practitioners need to possess in order to add value in contemporary organizations.
Prerequisites: MGT 312 and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 452. Human Resource Metrics and Analytics. 3 Credit Hours.
This is a course in Human Resource Management (HRM) metrics and analytics. The overall objective of the course is to familiarize students with the concepts and applications of Data Analytics within the HRM domain. More specifically, the course begins with a simplified illustration of how HR issues present themselves and how to better approach solutions to them. It expands upon that understanding by exploring some functional aspects of HR such as workforce utilization, recruitment/selection, engagement, and talent development. The course then moves toward higher levels of HR Analytics Maturity affording students the chance to complete the process of data scrubbing, hypothesis formulation and testing for more predictive and instructive recommendations.
Prerequisites: MGT 312
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 461. Cases in Global Business Management. 3 Credit Hours.
Many management concepts, techniques, and systems taught in North America business schools are based on the North American cultural and institutional context. These concepts techniques and systems may not work as intended in other settings and, if used improperly, can compound managers' problems. This course expands on the basic knowledge and skills acquired in MGT 356 and focuses in greater depth on how to implement strategy and operate effectively in different environmental and institutional settings in a global context. The readings, cases, and exercises have been chosen to develop both intellectual understanding and behavioral skills pertinent to the management problems arising from the interaction of people from different cultures in work settings. This course is also intended to develop, to the extent possible in a college course, an appreciation of what it is like to work with people from other cultures and to work in other countries.
Prerequisites: MGT 200 or MGT 203, MGT 356 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Varies.

MGT 462. Project Management I. 3 Credit Hours.
World class organizations must manage change, and it is the task of the project managers to make those changes happen. Project Management is used in a variety of business environments to manage complex, non-routine, one-time endeavors. This course focuses on these tools and techniques, with attention to both the quantitative and the qualitative aspects of project management. Topics include scheduling, budgeting, cost control, team building and risk management. Students will deliver a consulting report to a regional organization with which they are working.
Prerequisites: Junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

MGT 463. Power and Influence. 3 Credit Hours.
The goal of this course will be to help students grapple with the issues of power in modern organizations. We will explore the sources of power. Students will study the basic principles of influence to determine how friends, supervisors, family, or sales people get their way. We will evaluate different strategies and tactics for employing power effectively. We will especially focus on learning how to influence when you do not possess formal authority. Ethical issues will be analyzed to help you become more responsible to others as a steward and servant to others. By the end of the course, students will be challenged to assess their uses of power and influence. This will help you develop as a self-directed, reflective learner to handle future challenges.
Prerequisites: MGT 302 and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 464. Employment Relations. 3 Credit Hours.
This course will begin with developing an understanding of the historic labor movement in America and its impact on the nature of conflict resolution in the workplace. Students will then examine the broader area of employment relations management, employee rights and responsibilities, labor relations and collective bargaining, as well as management obligations under the law. Important federal laws that influence the workplace environments will be studied. Several major Supreme Court rulings will be examined for their impact on employer-employee relationships and for the obligations they impose on management.
Pre/Corequisites: MGT 312 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 475. Management Seminar. 3 Credit Hours.
In this seminar students learn to identify and understand the trends in the sociological, technological, and managerial environments that management will face in the early twenty-first century. Students also learn to develop philosophies and styles in order to deal with such trends.

Prerequisites: Senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Varies.

MGT 476. Team Building and Conflict Resolution. 3 Credit Hours.
The focus of this course is to develop understanding of where conflict comes from within organizations and how it can be managed effectively, and to empower students with some of the skills and strategies needed to become members and leaders of effective team units in the workplace. The successful manager of the future will be the one who knows how to create an effective team climate and how to respond to and manage organizational conflict. The focus of the course will be on the role of the manager in influencing and responding to conflict, and developing and empowering effective team units.
Prerequisites: MGT 302 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MGT 477. Women and Leadership Strategies for Success and Professional Development. 3 Credit Hours.
Women and Leadership: Strategies for Success and Professional Development focuses on the role women play in today's organization. This course specifically focuses on professional development; providing multiple opportunities to acquire the skills and competencies each individual student requires to succeed in both personal and professional endeavors in areas such as networking, negotiation, personal branding, leadership and career development.
Prerequisites: Senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

MGT 478. Strategic Human Resource Management SHRM. 3 Credit Hours.
In this capstone course for Human Resource Management, students learn to integrate the entire HR body of knowledge and understand it within a global and a strategic framework. The HR capstone allows the students to apply the knowledge of HR they have gained taking various courses.
Prerequisites: MGT 312 and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 480. Leadership Seminar. 3 Credit Hours.
One of the critical issues today is the challenge of leadership. Leaders in modern organizations face a number of increasing pressures from changing social trends, breakthrough technologies, turbulent political environments, and globalization forces. In dealing with these complex changes, the question arises as to what makes an effective leader? What are the cross-cultural characteristics of admired leaders? Who are we willing to follow? How do leaders gain credibility? Why do some leaders succeed and others fail? What skills and values do leaders need to employ to help organizations change to meet today's challenges?This course will study current leadership theory and practice. The course will be highly interactive. We will use case studies, experiential exercises, film, and collaborative projects. Students will explore a variety of different types of leaders from business, religion, government, and non-profits. We also review the research on women and leadership, cross-cultural challenges.
Prerequisites: MGT 302 and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 486. Project Management II. 3 Credit Hours.
World-class organizations succeed, in part, because of their ability to manage change, and it is the task of the Project Managers to make change happen. Project Management is used in a variety of business environments to manage complex, non-routine, one-time endeavors. It has been an essential tool in a number of diverse projects in all types of industries. In Project Management II, greater depth will be provided on key processes and concepts touched upon in Project Management I. Students will be asked to run a simulated project with international components, and they will be given the opportunity to earn certification as a Certified Scrum Master (CSM) which enables them to lead projects using the agile project management methodology.
Prerequisites: MGT 462 and senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MGT 497. Directed Study in Management. 3 Credit Hours.
Under faculty supervision, students pursue a well defined area of interest in management. Permission of department chair is required. Senior standing is required.

MGT ST385. Special Topic: Head, Hand, and Hertford Programme in Leadership Innovation. 3 Credit Hours.
Travel to Oxford to participate in the Head, Hand, and Hertford Programme at Hertford College. Students study in residence at historic Oxford for two weeks, where they will develop skills in leadership, communication, and innovation alongside Oxford students. Within a rigorous academic environment, this program is led by Hertford College Principal Tom Fletcher. Students participate in workshops taught mostly by Oxford faculty. Through an engaging one-of-kind cultural immersion program, students will build upon skills that they have learned at Bryant to take their leadership skills to the next level. With an enhanced global perspective, appreciation for sociohistorical context, and personal growth and character development, students will leave this course with the intellectual and practical skills of a truly innovative leader.

Marketing (MKT)

Courses

MKT 201. Foundations of Marketing Management. 3 Credit Hours.
This course provides an overview of key marketing concepts, tools, and methods of analysis and takes both a theoretical (strategic market assessment and planning) and practical approach to managing business affairs from a marketing perspective. The scope includes the seven key elements of the marketing mix management [product, price, promotion, distribution, people, process, and facilities], customer value and satisfaction, competitive analysis, marketing research, segmentation and targeting, branding and positioning, and consumer behavior.
Prerequisites: BUS 100
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 201G. Global Dimensions of Marketing. 3 Credit Hours.
This course exposes students to a systems- oriented approach to marketing that is both theoretical and applied. Students examine the major environmental forces that challenge the marketing manager today and, in the process, learn marketing methodology used in the field. Students explore topics like marketing research, buying behavior, segmentation, targeting, and Marketing Mix (product, distribution, promotion, and pricing). Although this course deals with common marketing concepts and problems, these topics are analyzed in a broader, international context.
Prerequisites: BSIB major, BUS 100
Session Cycle: Fall
Yearly Cycle: Annual.

MKT 311. Consumer Behavior. 3 Credit Hours.
Consumer Behavior class applies concepts, principles, and theories from various social sciences including economics, psychology, social psychology, sociology, and anthropology to the study of the internal and external factors that influence the acquisition, consumption, and disposition of goods, services, and ideas. Students develop the ability to translate learned material into marketing implications. Knowledge of consumer behavior principles is becoming increasingly important to marketing decision-makers, managers, and public policy makers.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 312. Marketing Research. 3 Credit Hours.
Students in this course learn to develop the information necessary for marketing decision-making. This course emphasizes a management-oriented analysis of marketing phenomena including the following: identifying and defining marketing problems, designing research, acquiring information, evaluating data, and presenting research.
Prerequisites: MATH 201 and MKT 201 or MKT 203 or MKT 201G and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 313. Sports Marketing. 3 Credit Hours.
This course offers an engaging introduction to sports marketing, combining theory with practical insights to understand the business dynamics of the sports industry. It covers strategies for promoting events, teams, and products, with a focus on fan engagement, digital channels, and sponsorships. Also, it highlights the unique characteristics of sports marketing and the importance of market research in identifying and segmenting sports consumers.
Prerequisites: MKT 201 or MKT 203.

MKT 360. Retail Management. 3 Credit Hours.
Retailing is addressed as a unique business and marketing format, which is distinct from manufacturing and wholesaling. The course examines how retailers have evolved and identifies challenges that retailers face in the 21st century, as well as the role of the internet in retail strategy. The development of approaches to attract consumers and cultivate long-term relationships is a significant theme throughout the semester. Course objectives include achieving an understanding of the global environment in which retailers operate; the need for a strategic approach to retail management; the types and sources of information available to enhance marketing decision-making; and the relationship among the marketing mix variables and their application to retailing.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Spring
Yearly Cycle: Varies.

MKT 363. Personal Selling. 3 Credit Hours.
This course is designed to give you hands-on experience and feedback to improve your selling skills. Every industry in every country is in need of well-trained sales people. This class will help you perform better in selling situations whether working B2B, B2C or selling your own brand in the job interview by teaching the tools and strategies for success. Some of the topics include: adaptive selling, ethics, relationship and trust building, closing the sale, negotiating for win-win solutions, handling objections, prospecting, verbal and nonverbal communication, personal and professional development and branding, customer relationship management, time and territory management, social media, and various selling techniques. Students compete in a sales competition during the semester, network with sales professionals, study selling cases and perform many recorded presentations. The course uses 360 degree evaluation and incorporates technology into the classroom, as well as feedback from professional sellers, buyers and trainers.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 364. Applied AI in Sales. 3 Credit Hours.
MKT 364: Applied AI in Sales is a hands-on course for students who want to lead and perform in an AI-driven business world. Building on MKT 363, students use Generative AI and modern sales tools to support prospecting, research, outreach, discovery, objection handling, negotiation, follow-up, and pipeline management across the sales cycle. Students evaluate AI outputs for accuracy, bias, ethics, and organizational risk while developing professional judgment and resilience through applied execution. The course includes a semester-long AI-enabled book of business portfolio connected to real initiatives, such as building partnerships and sponsorship opportunities for the Bryant University Sales Institute and NISC.
Prerequisites: MKT 363 Professional Selling, Sophomore Standing
Session Cycle: Every Fall Semester.

MKT 365. AI in Marketing Decision Making. 3 Credit Hours.
This course equips students with strategic marketing decision-making skills anchored in consumer insights and enhanced by AI tools. Students learn how AI techniques such as predictive analytics, natural language processing, decision support systems, and marketing automation enhance key marketing decisions across segmentation, targeting, positioning, product and portfolio strategy, pricing, promotion, and channel management. Through hands-on labs using contemporary AI and analytics tools, students practice transforming customer and marketplace data into insights, designing and evaluating data-driven strategies, and building simple automated workflows, developing both strategic judgment and practical, implementation-ready skills. Upon completion, students will be prepared to enter the workforce understanding how AI augments human marketing decision-making, and how to use these tools responsibly and ethically.
Prerequisites: MKT 201, Sophomore Standing
Session Cycle: Every Semester.

MKT 366. Using AI to Achieve Sense and Respond Omnichannel Distribution. 3 Credit Hours.
This course teaches students how to leverage AI to create sense-and-respond capabilities in omnichannel distribution systems. Omnichannel refers to the business strategy that provides a seamless, consistent, and integrated customer experience across all physical and digital channels. Students will learn to use AI to sense demand, anticipate risk, optimize production and inventory, and personalize customer experiences through data-driven decision-making.
Prerequisites: MKT 201, Sophomore Standing
Session Cycle: Every Semester.

MKT 368. International Marketing. 3 Credit Hours.
Students will study essentials of international marketing and explore reasons and needs for marketing goods and services across international borders. This class explores differences in cultural, political, economic, and legal systems and the impact of these differences on marketing strategy. Students will investigate different modes of entry into foreign markets, global trade trends, international positioning, and specificities of international marketing research. This provides a foundation for examining each element of the marketing mix (product, place, price, promotion) in the international context.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

MKT 371. Advertising and Integrated Marketing Communication. 3 Credit Hours.
This integrated marketing communication course is an overview of promotional activities and their effective integration in the communication endeavors of the firm. Students will use examples of traditional and non-traditional media. This course emphasizes the following topics: determining communication goals, marketing and promotional objectives, developing creative themes, testing messages, evaluating promotion effectiveness, and strategic campaign planning. Students also develop creative-thinking and decision-making skills and their application to media planning, budgeting, and other matters of promotion and communication consideration.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 380. Services Marketing. 3 Credit Hours.
Because numerous key differences exist between the marketing and management of services and the marketing of goods, this course focuses on the distinctive and necessary marketing challenges associated with service offerings as well as management strategies and tactics needed for marketplace success. The importance of service marketing and management expertise is highlighted by the dominance of and increasing dependence on services in developed economies.
Prerequisites: MKT 201 or MKT 201G or MKT 203 and junior standing
Session Cycle: Fall
Yearly Cycle: Annual.

MKT 381. Digital Marketing. 3 Credit Hours.
This course examines how digital marketing can be used to achieve business and marketing goals. This course will focus on online consumer behavior, the various digital channels available to marketers, how to create and launch effective digital marketing campaigns across internet-based platforms and how to track marketing effectiveness. The course examines digital marketing strategy, implementation and execution for B2B and B2C brands and provides a hand-on understanding of all digital channels and platforms. Participants will obtain experience about how to develop an integrated digital marketing strategy, from formulation to implementation.
Pre/Corequisites: MKT 312
Prerequisites: MKT 201 or MKT 201G or MKT 203 and MKT 311
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 382. New Product Development. 3 Credit Hours.
This course introduces the student to the numerous stages an organization executes to bring a new product to market. It covers the decisions that management and marketing must make to bring a product from the concept generation and problem based ideation to marketing testing and launch management.
Pre/Corequisites: MKT 311 and MKT 312 and junior Standing
Prerequisites: MKT 201 or MKT 201G or MKT 203
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 391. Marketing Internship. 3 Credit Hours.
Supervised employment in an area of marketing (such as retailing, advertising, sales and marketing research) which involves the application of marketing theory and principles to the work environment. Students are required to work a minimum of ten hours per week on the job, correspond periodically with their supervising faculty member, and prepare a substantive report on their work experience.
Prerequisites: This course requires department approval and is limited to second semester juniors and to seniors.

MKT 410. Business To Business Marketing. 3 Credit Hours.
Students in this course investigate the domestic and international activities involved in marketing products and services to industrial buyers, governments, and marketing intermediaries. Students learn a marketing approach to business strategy. Supply Chain Management is a central core of the course with special emphasis placed on physical distribution, business marketing channel participants, value and vendor analysis, contracting, business ethics, and pricing strategy.
Prerequisites: MKT 201 or MKT 201g or MKT 203 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 412. Marketing Policy and Problems. 3 Credit Hours.
This course provides a capstone experience to help students integrate and advance knowledge from prior marketing and business courses to gain experience in marketing strategy development. Students apply their theoretical knowledge to actual marketing situations in a simulated virtual business. In a competitive, global business environment, students will conduct a situation analysis, identify opportunities and problems, formulate marketing strategies, plan and execute tactics, analyze and interpret data, and reformulate strategies, thereby developing marketing skills critical to succeed in today's business world.
Prerequisites: MKT 311, MKT 312 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 422. Visual Analytics for Marketing. 3 Credit Hours.
This course provides an introduction to marketing analytics with a strong emphasis on visual analytics techniques for exploring, interpreting, and communicating marketing data. Students will learn how to analyze digital marketing performance metrics, CRM data, consumer insights, and market trends using interactive dashboards, real-time data exploration, and pattern recognition. Through hands-on experience with Excel and Tableau, students will develop the ability to transform complex datasets into clear, actionable insights that drive strategic marketing decisions. The course goes beyond static data visualization, focusing on dynamic data interaction, visual storytelling, and analytical thinking to enhance decision-making in today's data-driven marketing landscape. While this course serves as a standalone introduction to visual analytics, it also lays the foundation for Marketing Analytics, where students will further develop skills in predictive modeling, segmentation, pricing, and strategic applications.
Pre/Corequisites: MKT 312 and Junior Standing
Session Cycle: Every Fall Semester
Yearly Cycle: Annual.

MKT 461. Marketing Analytics. 3 Credit Hours.
In this course students learn to develop and apply quantitative and analytic tools to tactical areas of marketing decision making. Students acquire the following techniques: forecasting, behavioral modeling, and linear and nonlinear programming. The course teaches compute applications using spreadsheets, word processing, and statistical software.
Prerequisites: MKT 312 and senior standing
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MKT 463. Sales Management. 3 Credit Hours.
This course is designed to give students hand-on training in sales management and exposure to hiring firms, while refining students skills and providing opportunities for professional success. In this course, students will be assigned two sales teams to manage, who will provide feedback on their management capabilities. Students will shadow a sales manager for a day, compete in a sales competition with professional sales people and trainers, and design a self-directed learning project to complete during the term. The course offers a professional speaker series with special topics in sales management. Topics of the course include: managing conflict, goal setting, providing feedback, understanding your leadership style, active listening, following up, asking the right questions, coaching, sales forecasting, adapting to the situation, motivating your sales team, training, compensation, recruiting, selection, performance evaluation, ethics, and communication.
Prerequisites: MKT 363 and senior standing is required
Session Cycle: Spring
Yearly Cycle: Annual.

MKT 481. Digital Marketing II. 3 Credit Hours.
This course examines how to develop, implement and analyze a digital marketing strategy across digital channels and platforms. Students complete the course with a comprehensive understanding of how to develop an integrated digital marketing strategy and optimize it for multi-channel traffic acquisition. This includes evaluating the competitive landscape and structuring a digital marketing approach inclusive of paid and organic tactics. Students will have a better understanding of how different digital marketing channels drive users to a website and convert users based on a targeted call-to-action (CTA) using lead generation and email strategies, among others. Topics will include search engine optimization (SEO), search engine marketing (SEM), display advertising, mobile advertising, social media marketing, content marketing and web analytics.
Prerequisites: MKT 381
Session Cycle: Spring
Yearly Cycle: Annual.

MKT 497. Directed Study in Marketing. 3 Credit Hours.
In depth exploration of specialized areas of marketing serve as the purpose of this course. Individualized instruction is used to research areas in which the faculty member and student have a common interest. Extensive research including primary data collection may be required. The course concludes with the preparation of a thorough research report and presentation.
Prerequisites: MKT 201, MKT 312 and senior standing.

Mathematics (MATH)

Courses

MATH 101. Pre-Calculus. 3 Credit Hours.
MATH 101 is a pre-calculus course. Topics covered will include linear functions, power functions, graphical concepts, quadratic functions, rational functions, and exponential and logarithmic functions. In addition, there will be an extensive review of algebraic concepts. It is expected that, upon completion of this course, students will be prepared to take MATH 110. This course does not fulfill a Mathematics requirement.
Session Cycle: Fall
Yearly Cycle: Annual.

MATH 110. Mathematical Analysis. 3 Credit Hours.
MATH 110 is an applied mathematics course that presents a mathematical way of thinking and provides students with experiential opportunities to explore how to quantitatively analyze complex problems. Four general areas are covered: a review of mathematical functions and their applications; the mathematics of finance; creation, use, and interpretation of models involving real-world data; and linear programming and optimization. Applications are relevant for sustainability issues, business and management, economics and finance, and the social and natural sciences. Students will be placed, by the Math Department, in the appropriate course based on standardized testing and previous math course performance.

MATH 121. Calculus and Analytic Geometry I. 3 Credit Hours.
This is the first course for Actuarial Mathematics, Applied Math and Statistics, Applied Economics, Biology and Environmental Science majors, and those concentrating in Applied Statistics. The course is also recommended for the math minors. Topics include limits, continuity, derivatives, and integrals, along with their application to the Mean Value Theorem, curve sketching and optimization, the calculus of transcendental functions, and area between curves.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 122. Calculus and Analytic Geometry II. 3 Credit Hours.
This course is a continuation of MATH 121, designed for Actuarial Mathematics, Applied Math and Statistics, Applied Economics, Biology and Environmental Science majors, and those concentrating in Applied Statistics. It is recommended for the math minors also. Topics include L'Hopital's Rule, the calculus involving inverse trigonometric functions, integration methods, modeling with differential equations, geometric series, MacLaurin and Taylor Polynomials and Series, introduction to partial derivatives and multiple integrals.
Prerequisites: MATH 121
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 129. Mathematics of Finance. 3 Credit Hours.
This course is an intensive study of mathematics that can be applied in business and finance. Topics include simple and ordinary interest, simple bank discount, compound interest, simple and complex annuities, annuities in perpetuity, and geometrically varying annuities. The mathematics for determining present value, future amount, and periodic annuity payments is developed. Further, the concepts of exponential and logarithmic functions are presented in order to be able to determine time duration. The students are shown interest rates in annuities, which cannot be determined explicitly by algebraic methods but can be determined by use of Goal Seek function in Excel. Fundamental linear programming and breakeven models (that include time delayed revenue and borrowed funds) are also presented. Students that receive credit for MATH 110 or MATH 110 Honors cannot receive credit for MATH 129.
Session Cycle: Fall
Yearly Cycle: Annual.

MATH 201. Statistics I. 3 Credit Hours.
In this course, students are taught the concepts necessary for statistical analysis and inference, in the context of real-world-type data analysis and modeling. Topics include descriptive statistics, classical probability, probability distributions, confidence intervals, and hypothesis testing, chi-square analysis, simple linear regression, and correlation. One or more case studies, accompanied by references to survey creation and data collection, provide experiential opportunities for students. Students will be placed, by the Math Department, in the appropriate course based on standardized testing and previous math course performance.

MATH 202. Biostatistics. 3 Credit Hours.
This course serves as an introduction to applying statistical thinking to biological problems. Topics include numerical and graphical summaries of data, basic probability concepts, sampling distributions, basic concepts for estimation, estimation for population means and proportions, basic concepts for hypothesis testing, hypothesis tests for population means and proportions, analysis of variance, sample size calculations, inferences from two samples, correlation and regression.
Session Cycle: Every Semester.

MATH 203. Sports Statistics I. 3 Credit Hours.
This course provides a fundamental understanding of basic probability and statistics with a focus on sports applications. Methods and theory behind commonly used statistics will be applied in a sports setting. As an aid in statistical analysis, Excel “Data Analysis” functions will be used. All major US sports will be considered as well as selected international sports. Assignments will often allow the student to study a sport of their own choosing. Fantasy sports, betting, and e-sports will also be considered where applicable.
Session Cycle: Every Semester.

MATH 223. Calculus and Analytic Geometry III. 3 Credit Hours.
This course is the third of three calculus courses required of actuarial and applied mathematics and statistics majors. Topics include the conic sections, circles, parabolas, ellipses, and hyperbolas, polar coordinates, vectors and vector-valued functons, functions of more than one variable dealing with partial derivatives with its mathematical applications and the calculation of double and triple integrals.
Prerequisites: MATH 122
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 226. Linear Algebra. 3 Credit Hours.
This course is an introduction to the topic of Linear Algebra. The topics covered will include the study of matrices, determinants, vector spaces, subspaces, row and column spaces, null spaces, linear transformations, and eigenvalues and eigenvectors.
Prerequisites: MATH 121
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 228. Discrete Structures. 3 Credit Hours.
This course introduces the foundations of discrete mathematics as they apply to information technology, focusing on providing a solid theoretical foundation for further work. Topics include propositional logic, sets, growth of functions, simple proof techniques, elementary number theory, counting techniques, relations and graph theory.
Pre/Corequisites: MATH 110 or equivalent
Session Cycle: Spring
Yearly Cycle: Varies.

MATH 350. Statistics II. 3 Credit Hours.
A continuation of MATH 201, this course provides students further concepts necessary for statistical analysis and inference. Topics include analysis of variance, multiple regression and correlation, model building, chi-square tests, and nonparametric statistics.
Prerequisites: MATH 201
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 354. Software Application for Mathematics. 3 Credit Hours.
This course introduces students to the use of Microsoft Visual Basic behind Excel spreadsheets. Students are taught to write computer programs based on specified criteria. Excel functions and Goal Seek are used in a variety of applied project assignments. Topics typically include simulation, mathematical distributions, and statistical analyses. Additional topics may include writing of stand-alone programs with Visual Basic forms, manipulation of data in Excel or Microsoft Access, and/or the use of statistical packages such as SAS.
Prerequisites: MATH 201 or AM 230
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 391. Applied Mathematics and Statistics Internship. 3 Credit Hours.
Applied mathematics and/or statistics internships give students the opportunity for supervised employment in an area where they can apply their theories and principles. Interns work at least ten hours a week, meet periodically with a supervising faculty member, conduct research on their field of employment, and prepare a substantive report on work experience and research.
Prerequisites: Junior standing and approval by a supervising faculty member and the department chair.

MATH 409. Elementary Number Theory. 3 Credit Hours.
This course will cover topics such as divisibility, prime numbers, Fundamental Theorem of Arithmetic, Euclid's Algorithm, Pascal's Triangle, Fibonacci numbers, congruences and residue classes, Diophantine equations, Euler's Phi Function, Fermat's Last Theorem, and Pythagorean Triples. A major application in the course will be to Cryptography. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 201 or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Annual.

MATH 421. Statistical Analysis With R. 3 Credit Hours.
This course covers the application of R in a wide range of subjects in data analysis. The statistical topics include descriptive statistics; hypothesis testing; probability distribution; Bayesian statistics; predictive modelling; and unsupervised learning. Students will also learn how to write functions in R, Rmarkdown, and various R famous packages such as ggplot2, caret, mosaic, dplyr.
Prerequisites: MATH 350 or AM 332
Session Cycle: Fall
Yearly Cycle: Annual.

MATH 435. Geometry. 3 Credit Hours.
Since the time of Euclid (330 BC) the study of Geometry has been regarded as s foundation of western education and the preferred context in which to teach young adults the purpose and value of logical thinking. This course is offered to provide undergraduate and graduate level mathematics education students and others an introduction to and a mastery of both the classical and analytic aspects of Euclidean Geometry. The ideas of point, line, plane, triangle, quadrilaterals, parallelism and lack of it, similarity, congruence, area, volume and Loci will be formally presented through an axiomatic method using definitions, postulates and geometric proofs. The structure, the pedagogy and the presentation of the above topics will also be emphasized throughout the course. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 110 or permission of instructor
Session Cycle: Spring
Yearly Cycle: Varies.

MATH 455. SAS Programming and Applied Statistics. 3 Credit Hours.
This course provides an introduction to SAS programming. It also covers statistical applications utilizing both SAS and Enterprise Guide. Some of the topics covered in the first part of this course include: reading raw data files and SAS data sets; investigating and summarizing data by generating frequency tables and descriptive statistics; creating SAS variables and recoding data values; subsetting data; combining multiple SAS files; creating listing, summary, HTML, and graph reports; managing SAS data set input and output, working with different data types, and manipulating data. In the second part of the course, we apply SAS and Enterprise Guide to the analysis of data using the topics of ANOVA, regression, and logistic regression. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 350 or AM 332 or ECO 210 or ECO 315
Session Cycle: Spring
Yearly Cycle: Annual.

MATH 456. Statistical and Mathematical Decision Making. 3 Credit Hours.
This course provides an introduction to the concepts and methods of Decision Science, which involves the application of mathematical modeling to problems of decision making under uncertainty. It also provides a foundation in modeling with spreadsheets. Topics include linear programming, goal programming, nonlinear programming, decision analysis, and simulation.
Prerequisites: MATH 201 or AM 231
Session Cycle: Spring
Yearly Cycle: Varies.

MATH 460. Applied Data Mining. 3 Credit Hours.
Employing SAS Enterprise Miner software with real-world case studies, this course introduces students to the current theories, practices, statistical tools and techniques in "data mining," which embodies cutting-edge methods to reveal competitive insight, market advantage, and strategic opportunities. This course will cover the most useful statistical tools in data mining such as cluster analysis, logistic regression, classification trees, and neural networks. In addition, a comprehensive real-world data project will be required along with a presentation to the class and other interested parties of key aspects of the project with an analysis of the results. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 350 or AM 332
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 461. Applied Multivariate Statistics. 3 Credit Hours.
After a brief review of multiple regression and analysis of variance, students are introduced to multivariate statistical techniques including principal components analysis, factor analysis, cluster analysis, discriminant analysis, logistic regression and multivariate analysis of variance. This course will emphasize practical applications rather than theory. The computer package SAS will be used for analysis. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 350 or AM 332
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

MATH 470. Statistical Design and Analysis of Experiments. 3 Credit Hours.
This course is an introduction to the design and analysis of statistical experiments. It will cover the main elements of statistical thinking in the context of experimental design and ANOVA. Students will learn to choose sound and suitable design structures and also how to explore real data sets using a variety of graphs and numerical methods and analyze these data sets from designed experiments and reach justifiable conclusions based on the analyses. This will be an applied course and will utilize the SAS statistical package. This is a SAS Certified class. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 350 or AM 332
Session Cycle: Fall
Yearly Cycle: Annual.

MATH 475. Applied Analytics Using SAS. 3 Credit Hours.
This course will include an in-depth review of applied analytical approaches, challenges, and solutions. A hands-on approach will be emphasized throughout the semester. A brief review of analytical techniques through material covered in MATH 350 or AM 332 will be included, as well as an introduction to further analytical tools such as multivariate analysis, predictive modeling, time series analysis and survey analysis. The SAS statistical package will be utilized for applying hand-on analysis to real world data problems. This is a SAS Certified course. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: MATH 350 or AM 332
Session Cycle: Spring
Yearly Cycle: Annual.

MATH 488. Sports Statistics. 3 Credit Hours.
This course introduces a number of statistical methods beyond the elementary level and combines theory with application. The goal is for the student to develop the ability to compare and contrast a number of statistical methods focusing on their application to the sports industry. A major component of this course is to understand the strengths and weaknesses of various statistical methods.
Prerequisites: AM 231 or MATH 350
Session Cycle: Spring
Yearly Cycle: Annual.

MATH 490. Applied Mathematics and Statistics Capstone Seminar. 3 Credit Hours.
The students will be required to research and write an applied mathematical or statistical thesis, and make oral presentations of the results. This course will develop the student's research skills and ability to write and present applied mathematical or statistical topics. Projects that solve problems of an interdisciplinary nature are encouraged.
Prerequisites: Senior standing and permission of the instructor
Session Cycle: Spring
Yearly Cycle: Annual.

MATH 497. Directed Study in Mathematics. 3 Credit Hours.
This is an opportunity for students to do independent, in-depth research for academic credit. The student works on an individual basis under the direction of a member of the mathematics department. The main requirement of the course is the development of a substantial paper or project.

MATH ST300. Special Topics in Mathematics Mathematics of the Arts and Creativity. 3 Credit Hours.
This applied Mathematics course will consist of a comprehensive review of the mathematical underpinnings of visual art, music, and creativity (and to a lesser extent architecture). Mathematics will include, geometry, base 7, base 8, fractals, and differential equations. Course assignments will include using the open access programming software R to generate a fractal image or fractal video. This course is designed to enhance the student’s appreciation and understanding of Math and the Arts, and to facilitate the student’s creating new visual art and music by using mathematical approaches. This course may also help students develop more engaging presentations (eye-catching visuals/ear-catching audio).
Prerequisites: AM 231 or MATH 201 or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

MATH ST310. Spec. Topics in Mathematics: Culture, History, Business Environment, and Analytical Research Aboard. 3 Credit Hours.
This course studies the cultural, history, and business environment of Japan. Multiple analytical research projects will be carried out throughout the trip, including business culture study, population and aging study, US-Japan economics analysis, climate change impact in east Asia, insurance risk overview, and analytics study. Students are also required to complete an after-trip comprehensive paper with a topic of their choice. This course will count towards one of the 3 advanced topics in actuarial mathematics for actuarial math major or one of the 3 advanced electives for applied mathematics and statistics major.
Session Cycle: Fall Semester.

Mathematics and Economics (ME)

Courses

ME 391. Mathematics and Economics Internship. 3 Credit Hours.
Supervised experiential engagement in the area of Mathematics and Economics, allowing students to connect Mathematics and Economics concepts with hands-on projects in professional settings. Students contribute at least ten hours per week at their placement site and check in regularly with a faculty supervisor. Open to Sophomores, Juniors, and Seniors with department chair approval.
Prerequisites: Approval of a supervising faculty member or the department chair. Sophomore Standing
Session Cycle: Every Semester.

Military Science (MLTS)

Courses

MLTS 101. Introduction to Leadership and Military Skills with Lab. 3 Credit Hours.
Introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, stress management, and comprehensive fitness relate to leadership, officership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions. ROTC courses are conducted at Providence College.
Session Cycle: Fall
Yearly Cycle: Annual.

MLTS 102. Fundamentals of Leadership II with Lab. 3 Credit Hours.
Overviews basic leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership attributes and core leader competencies in the context of practical, hands-on, and interactive exercises. Cadet role models and the building of stronger relationships among the Cadets are critical aspects of the MLTS 102 program. ROTC courses are conducted at Providence College.
Session Cycle: Spring
Yearly Cycle: Annual.

MLTS 201. Leadership and Decision Making with Lab. 3 Credit Hours.
Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework (trait and behavior theories). Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. ROTC courses are conducted at Providence College.
Session Cycle: Fall
Yearly Cycle: Annual.

MLTS 202. Principles of Military Leadership II with Lab. 3 Credit Hours.
The course highlights dimensions of operation orders, terrain analysis, and patrolling. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. ROTC courses are conducted at Providence College.
Session Cycle: Spring
Yearly Cycle: Annual.

MLTS 301. Training Management and Military Functions with Lab. 3 Credit Hours.
Challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with scenarios related to squad tactical operations. Cadets receive specific feedback on their leadership attributes and actions. With the feedback, and own self-evaluations, cadets develop their leadership and critical thinking abilities. The focus is developing cadets' tactical leadership abilities in preparation for ROTC's summer Leaders Advance Camp at Fort Knox, KY. ROTC courses are conducted at Providence College.
Session Cycle: Fall
Yearly Cycle: Annual.

MLTS 302. Small Unit Leadership II with Lab. 3 Credit Hours.
Apply team leadership challenges to build cadet awareness and skills in leading tactical operations at the small unit level. They conduct military briefings and develop proficiency in the operation orders process. The focus is on exploring, evaluating, and developing skills in decision-making, persuading, and motivating team members. Cadets prepare to attend ROTC summer training. ROTC courses are conducted at Providence College.
Session Cycle: Spring
Yearly Cycle: Annual.

MLTS 401. Advanced Leadership with Lab. 3 Credit Hours.
Transitions the focus of student learning from being trained, mentored and evaluated to learning how to train, mentor and evaluate others. Students will attain knowledge and proficiency in several areas critical in their future roles as officers, including the Military Decision Making Process, training management, counseling, risk management, effective communication, ethical/moral decision making, and administrative systems within the Army. ROTC courses are conducted at Providence College.
Session Cycle: Fall
Yearly Cycle: Annual.

MLTS 402. Leadership and Management II with Lab. 3 Credit Hours.
Explores the dynamics of leading Soldiers and completes the transition from student to Army lieutenant. Significant emphasis is placed on preparing students to face the complex ethical and practical demands of leading Soldiers in the US Army using case studies and exercises. Additionally, students will develop a Battle Analysis and participate in a Staff Ride at a historic military site. ROTC courses are conducted at Providence College.
Session Cycle: Spring
Yearly Cycle: Annual.

Modern Language

ML CH205. Intermediate Chinese I. 3 Credit Hours.
Intermediate Chinese Language and Culture I course is designed for students who have successfully completed the beginning level of Mandarin Chinese in the first year. Students who wish to take part in this course without taking ML CH105 and ML CH106 must pass a required Mandarin Chinese Assessment Test or receive special permission by the instructor. Focus on grammatical structures and sentence patterns. Learning Chinese characters and reading comprehension become increasingly important in the second year.
Prerequisites: ML CH106 or language placement exam.

ML CH206. Intermediate Chinese II. 3 Credit Hours.
Intermediate Chinese Language and Culture II is a continuation of ML CH205 and is designed for students who have successfully completed the initial intermediate level of Mandarin Chinese. Students who wish to take part in this course without taking ML CH205 must pass a required Mandarin Chinese Assessment Test or receive special permission from the instructor. Focus is on grammatical structures and sentence patterns. Learning Chinese characters and reading comprehension become increasingly important in the second year.
Prerequisites: ML CH205 or language placement exam.

ML CH305. Reading and Writing I. 3 Credit Hours.
This course is designed for students who have completed ML CH205 and ML CH206 or who tested into ML CH305. The central objective of the course is to develop greater proficiency and skill in the reading and comprehension of Chinese texts in Chinese and oral presentation. Attention will also be given to enhancement of the students' cultural awareness.
Prerequisites: ML CH206 or language placement exam
Session Cycle: Spring
Yearly Cycle: Annual.

ML CH306. Conversation and Listening Comprehension. 3 Credit Hours.
This course is designed for students who have completed ML CH206 or who demonstrate an equivalent level of proficiency. The focus of this course will be the development of oral proficiency and listening skills for a variety of culturally appropriate topics in both formal and informal contexts. Working with edited and authentic audio and video materials in Chinese, students are introduced to culturally and socially important differences between informal (baihua) and formal (shumianyu) registers in spoken Chinese. In-class activities include group discussion, interviewing, formal debate and oral presentation.
Prerequisites: ML CH206 or language placement exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML CH391. Chinese Internship. 3 Credit Hours.
Students in this course engage in individually supervised employment requiring applications of language skills. Job functions include tutoring, translation, interpretation, or any Chinese-related assignments. Students must work at least ten hours per week on the job, meet periodically with a supervising faculty member, and prepare a substantive report on the work experience involved.
Prerequisites: ML CH206 and junior standing.

ML CH397. Directed Study in Chinese. 3 Credit Hours.
This course provides an opportunity for advanced Chinese students to do independent, in depth study or research in Chinese. The student works under the direction of a member of the Chinese program. It requires the student to develop a substantial paper.
Prerequisites: ML CH305 and ML CH306 or permission of the instructor.

ML CH401. Chinese Reading and Writing II. 3 Credit Hours.
This is Part Two of the reading and writing course in Chinese, with an emphasis on further improving students' Chinese reading comprehension and writing abilities up to the advanced level. Students will develop Chinese reading strategies, build knowledge and appreciation of Chinese language and culture, understand Chinese social and historical contexts, and cultivate analytical thinking of Chinese literary texts.
Prerequisites: ML CH305 or equivalent or language placement exam and instructor permission
Session Cycle: Fall
Yearly Cycle: Annual.

ML CH404. Chinese for Business I. 3 Credit Hours.
Chinese for Business I is intended for students who want to use Chinese in an international business and professional environment. It aims to develop students' Chinese proficiency in the context of international commerce that requires not only adequate language skills but also adequate awareness of socio-cultural and business customs.
Prerequisites: ML CH305 or equivalent or language placement exam and instructor permission
Session Cycle: Spring
Yearly Cycle: Annual.

ML CH405. Chinese for Business II. 3 Credit Hours.
This course is a continuation of Chinese for Business I . It aims to expand students' Chinese proficiency in the context of international commerce that requires not only adequate language skills but also adequate awareness of socio-cultural and business customs.
Prerequisites: ML CH305 or equivalent or language placement exam
Session Cycle: Spring
Yearly Cycle: Annual.

ML CH406. Chinese for Media. 3 Credit Hours.
This is an advanced course parallel to CH404, Chinese for Business. Its goal is to further develop students' listening, speaking, reading, and writing skills through the use of authentic materials from newspapers, Internet reports, and television programs. Students will improve their understanding of the format and style of journalistic Chinese; have a fair command of the vocabulary, expressions, and structures commonly used in Chinese newspapers and news broadcasts and be able to use them appropriately in both oral and written communications.
Prerequisites: ML CH305 or equivalent or language placement exam
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ML CH407. Introduction to Chinese Linguistics. 3 Credit Hours.
This is an introductory course in Chinese linguistics. It is designed for students to grasp some basic knowledge of Chinese linguistic structure, which includes the historical background of the language, phonetic, morphology, writing system, and syntax. It aims to prepare the students for a profession (i.e. Chinese teaching or translation) or more advanced studies in Chinese language, linguistics, or relevant fields from theoretical as well as pedagogical perspectives. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: ML CH305 or equivalent or language placement exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML CH451. Advanced Chinese Through Contemporary Chinese Cinema. 3 Credit Hours.
This is an advanced Chinese language course. It is designed to improve students' Chinese language proficiency and develop an understanding of contemporary Chinese cinema. During the course of study, students will watch, discuss, and critique the selected films, read authentic Chinese materials, and create their own skits. The course will prepare them to pursue a China-related profession or live and work in China.
Prerequisites: ML CH305 or equivalent or language placement exam and instructor permission
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ML CH497. Directed Study in Chinese. 3 Credit Hours.
This course provides an opportunity for advanced Chinese students to do independent, in depth study or research in Chinese. The student works under the direction of a member of the Chinese program. It requires the student to develop a substantial paper.
Prerequisites: ML CH305 and ML CH306 or permission of instructor.

ML FR105. Introduction to French Language and Culture I. 3 Credit Hours.
This course is designed for students who have little or no background in French language. By the end of the term, students will have gained a basic understanding of French, which will allow them to ask and answer questions on a variety of simple topics. Students will also gain knowledge of French culture and society.
Prerequisites: Language Placement Exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML FR106. Introduction to French Language and Culture II. 3 Credit Hours.
This course is a continuation of ML FR105. It is open to students who have successfully completed ML FR105 or who have scored the appropriate number of points on the French placement exam. The primary focus of the course is to develop elementary skills and cultural awareness.
Prerequisites: ML FR105 or language placement exam.

ML FR205. Intermediate French I. 3 Credit Hours.
The focus of this course is the mastery of grammatical structures and development of communicative skills beyond the elementary level through in-class exercises and outside assignments and reading and analysis of short texts.
Prerequisites: ML FR106 or language placement exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML FR206. Intermediate French II. 3 Credit Hours.
This course is a continuation of ML - FR205. The focus of this course is to complete the study of grammatical structures and continue to work on the communicative and writing skills through structured in-class exercises and discussions, as well as through a broad range of outside assignments.
Prerequisites: ML FR205 or language placement exam
Session Cycle: Spring
Yearly Cycle: Annual.

ML FR305. Reading and Writing. 3 Credit Hours.
This course, taught in French, is designed to improve the student's written French. It reinforces the language skills presented in earlier level courses through analysis of different styles of reading materials, including poems, literature excerpts, newspapers, magazines and films. The emphasis is on texts and contexts of culture, whether in France or other Francophone areas.
Prerequisites: ML FR206 or language placement exam
Session Cycle: Spring
Yearly Cycle: Annual.

ML FR307. Conversation and Composition. 3 Credit Hours.
Having already acquired the basics of French grammar and an intermediate competency in writing, students will deepen and solidify their knowledge of both written and oral skills. In-class activities will include role-plays, debates, interviews, exposes, discussions and weekly writing workshops.
Prerequisites: ML FR206 or language placement exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML FR308. Survey of French Literature. 3 Credit Hours.
This course is an introduction to French literature and cultural studies. Cultural analysis will include discussion of French literature, history, art, politics, geography, immigration and gender issues. The media (newspapers, magazines, TV programs, films and popular music) will be an important part in the study of contemporary France, but students will also read excerpts of writers who represent the changing French identity in the European and Global perspective. Students will have the opportunity to improve their command of the language through discussion and analysis.
Prerequisites: ML FR305 or placement exam
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ML FR391. French Internship. 3 Credit Hours.
Students in this course engage in individually supervised employment requiring applications of language skills. Job functions include tutoring, translation, interpretation, or any French-related assignments. Students must work at least ten hours per week on the job, meet periodically with a supervising faculty member, and prepare a substantive report on the work experience involved.
Prerequisites: ML FR206 and junior standing.

ML FR397. Directed Study in French. 3 Credit Hours.
This course provides an opportunity for advanced French students to do independent, in depth study or research in French. The student works under the direction of a member of the French program. The main requirement of the course is the development of a substantial paper or project.
Prerequisites: ML FR305 or the permission of the instructor.

ML FR403. Francophone Cultures. 3 Credit Hours.
In this course, students will explore questions of memory, migration, exile, gender and sexual identities in Francophone literature. The texts will be drawn from the early twentieth century to contemporary postcolonial authors. Students will read texts by authors from places such as Algeria, Morocco, Djibouti (East Africa), Madagascar, Haiti, Guadeloupe and Quebec.
Prerequisites: ML FR206 or language placement exam
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ML FR404. French for Business. 3 Credit Hours.
French for Business is intended for students who will want to use French in an international business and professional environment. It aims to develop students' French proficiency in the context of international commerce that requires not only adequate language skills but also adequate awareness of socio-cultural and business customs.
Prerequisites: ML FR206 or language placement exam
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ML FR410. French Philosophers and Moralizers. 3 Credit Hours.
If human nature is flawed or corruptible, what could be the cure? French philosophers and moralizers were deeply concerned with the issue. Enlightenment philosophers – Voltaire, Rousseau and Diderot among others - expressed their philosophical ideas and moral ideals explicitly and implicitly in the literary domain. Molière echoed Aristotle when he emphasized the importance for theatre to be "agréable et utile" – both pleasant and useful as he fused the medical and moral implications of catharsis. In addition to pleasure, literary texts are designed to cure our flaws and instruct us as they contain moral guidelines alongside a critique of human condition, character and society. In this course, we will examine both literary and ethical/ moral dimensions of French literature pertaining to various genres – including theatre, fable, philosophical tale, novel, essay, and confessions.
Prerequisites: ML FR305
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ML FR411. Paris in French Literature and Cinema. 3 Credit Hours.
Beginning with Haussmann's transformation of Paris, the spectacular reality of the city incites and proliferates artistic visions among numerous poets, novelists, painters, filmmakers and photographers. In this course, we will examine and critique various images of the city – both negative and positive– that underlie representations of Paris in French cinema and literature in the 19th-21st centuries. The "city of love," certainly, becomes at times the city of deception, disillusionment and unrealizable dreams, yet remains, nonetheless, an inexhaustible source of inspiration, creativity and diverse artistic visions. The reality of urban life alongside its idealized representations will be examined throughout the course to demystify, on the one hand, and help perceive, on the other, the mystery and magic of "the city of love" – Paris.
Prerequisites: ML FR305
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ML FR497. Directed Study in French. 3 Credit Hours.
This course provides an opportunity for advanced French students to do independent, in depth study or research in French. The student works under the direction of a member of the French program. The main requirement of the course is the development of a substantial paper or project.
Prerequisites: ML FR305 or permission of instructor.

ML IT105. Introduction to Italian Language and Culture I. 3 Credit Hours.
The purpose of this course is to introduce students to Italian language and culture. This course is designed for students who have little or no background in Italian. The course will be taught with a communicative approach: hence, class time will focus on utilizing the materials being studied in a conversational and contextualized atmosphere in Italian.
Prerequisites: Language Placement Exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML IT106. Introduction to Italian Language and Culture II. 3 Credit Hours.
This course is designed for students who have successfully completed ML IT105 or placed into ML IT106. The primary focus of the course is to develop further elementary-level communication skills and cultural awareness.
Prerequisites: ML IT105 or language placement exam
Session Cycle: Spring
Yearly Cycle: Annual.

ML IT205. Intermediate Italian I. 3 Credit Hours.
This course is designed for students who have successfully completed ML IT106 or were placed in the ML IT205 course by examination. The primary focus of the course is the mastery of grammatical structures and development of communication skills beyond the elementary level through in-class exercises and outside assignments of reading and analysis of short texts.
Prerequisites: ML IT106 or language placement exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML IT206. Intermediate Italian II. 3 Credit Hours.
This course is a continuation of ML IT205. Students will continue to improve their comprehension of Italian through readings and conversation, and by expressing themselves in writing. They will complete the study of grammatical structures and will continue to develop a greater awareness of Italian culture and society.
Prerequisites: ML IT205 or language placement exam.

ML IT305. Reading and Writing. 3 Credit Hours.
This course is designed to reinforce the language skills presented in earlier level courses. Extensive reading and numerous writing assignments will improve students' level of proficiency. The emphasis is on texts and contexts of modern Italian culture (poems, literature excerpts, newspapers, magazine articles and films).
Prerequisites: ML IT206 or language placement exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML IT307. Conversation and Composition. 3 Credit Hours.
Engaging reading and writing assignments will assist students in gaining fluency and accuracy, advance their communicative competence in Italian, and increase their cultural awareness. Class time will be spent discussing the readings and contextual ideas in Italian.
Prerequisites: ML IT206 or language placement exam
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ML IT308. Italian Literature. 3 Credit Hours.
The course provides students with a deeper look into Italian authors, their works as well as their time periods. All material will derive from the author's works studied, as well as additional class handouts. In-class activities will include role-plays, debates, discussions and weekly writing workshops. These challenging reading and writing assignments will assist students in gaining fluency in grammar and advance competency in Italian, as well as increase their cultural awareness. This course is taught with a communicative approach; therefore, class time will be spent discussing the readings and contextual ideas in Italian.
Prerequisites: ML IT206 or language placement exam
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ML IT391. Italian Internship. 3 Credit Hours.
Students in this course engage in individually supervised employment requiring applications of language skills. Job functions include tutoring, translation, interpretation, or any Italian-related assignments. Students must work at least ten hours per week on the job, meet periodically with a supervising faculty member, and prepare a substantive report on the work experience involved.
Prerequisites: ML IT206 and junior standing.

ML IT397. Directed Study in Italian. 3 Credit Hours.
This course is designed for advanced students to complete an independent, in depth study or research in Italian. The student is under the direction of an Italian faculty member in the Italian program. A substantial paper or project is the main requirement for this course.
Prerequisites: ML IT305 or higher or the permission of the instructor.

ML IT403. Italian Language and Culture. 3 Credit Hours.
This course is designed for students who have completed ML IT305. The primary focus of the course is to study a variety of cultural products including television, film and periodicals.
Prerequisites: ML IT305 or language placement exam
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ML IT404. Italian for Business. 3 Credit Hours.
Italian for Business is intended for students who will want to use Italian in an international business and professional environment. It aims to develop students' Italian proficiency in the context of international commerce that requires not only adequate language skills but also adequate awareness of socio-cultural and business customs.
Prerequisites: ML IT206 or language placement exam
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ML IT497. Directed Study in Italian. 3 Credit Hours.
This course is designed for advanced students to complete an independent, in depth study or research in Italian. The student is under the direction of an Italian faculty member in the Italian program. A substantial paper or project is the main requirement for this course.
Prerequisites: ML IT305 or higher or the permission of the instructor.

ML SP105. Introduction to Spanish and Hispanic Language and Culture I. 3 Credit Hours.
This course is designed for students who have less than two years of high school Spanish or who were placed into SP105. The course concentrates on developing communicative and intercultural competence in Spanish. Cultural topics include daily life and cuisine in the Spanish-speaking world, Spanish as a world language, and mestizo heritage.
Prerequisites: Language Placement Exam
Session Cycle: Fall
Yearly Cycle: Variesl.

ML SP106. Introduction to Spanish and Hispanic Language and Culture II. 3 Credit Hours.
This course is designed for students who have successfully completed ML SP105 or placed into ML- SP106. The primary focus of the course is to develop further elementary-level communication skills and cultural awareness.
Prerequisites: ML SP105 or language placement exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML SP107. Introduction to Spanish for Health Sciences I. 3 Credit Hours.
This course is designed for health science students and working professionals who have successfully completed SP105 or its equivalent or placed into SP107. The course concentrates on developing communicative and intercultural competence in Spanish for use in a medical context.
Prerequisites: Placement Exam
Session Cycle: Fall
Yearly Cycle: Varies.

ML SP108. Introduction to Spanish for Health Sciences II. 3 Credit Hours.
This course is designed for health science students who have successfully completed SP107 or placed into SP108 and for working professionals who have successfully completed SP106 or its equivalent. The course concentrates on developing communicative and intercultural competence in Spanish for use in a medical context.
Prerequisites: SP105, SP107, or Language Placement Exam
Session Cycle: Fall
Yearly Cycle: Varies.

ML SP110. Accelerated Beginning Spanish. 6 Credit Hours.
This course is designed for students who have less than two years of High School Spanish or who were placed in ML SP105 or ML SP106. The course concentrates on developing communicative and intercultural competence in Spanish.
Prerequisites: Language Placement Exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML SP205. Intermediate Spanish I. 3 Credit Hours.
This course is designed for students who have successfully completed ML SP106 or were placed in the ML SP205 course by examination. The primary focus of the course is to develop intermediate-level communication skills and cultural awareness.
Prerequisites: ML SP106 or SP 110 or language placement exam
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ML SP206. Intermediate Spanish II. 3 Credit Hours.
This course is a continuation of ML SP205. It is designed for students who have successfully completed Introduction to Spanish I and II and Intermediate Spanish I, or were placed into ML SP206 by examination. The primary focus of this course is to develop further intermediate-level skills and cultural awareness. This course includes a laboratory component.
Prerequisites: ML SP205 or language placement exam.

ML SP207. Intermediate Spanish for Health Sciences I. 3 Credit Hours.
This course is designed for health science students who have successfully completed SP108 or were placed into SP207 and for working professionals who have successfully completed SP205 or its equivalent. The primary focus of this course is to develop intermediate-level communicative and intercultural competence as applied to a medical context.
Prerequisites: SP108, SP106, or Language placement exam
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ML SP208. Intermediate Spanish for Health Sciences II. 3 Credit Hours.
This course is designed for health science students who have successfully completed SP207 or were placed into SP208 and for working professionals who have successfully completed SP206 or its equivalent. The primary focus of this course is to develop intermediate-level communicative and intercultural competence as applied to a medical context.
Prerequisites: SP205, SP207 or Language placement exam
Session Cycle: Spring
Yearly Cycle: Annual.

ML SP305. Reading and Writing. 3 Credit Hours.
This course is designed for students who have completed ML SP206 or were placed into ML SP305. The primary focus of the course is to develop reading and writing skills beyond the intermediate level while expanding students' cultural awareness. This course is a requirement for the minor.
Prerequisites: ML SP206 or language placement exam
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ML SP306. Spanish for Heritage Speakers. 3 Credit Hours.
This course is designed to address the specific linguistic needs of students who have had extensive exposure to Spanish at home and/or in their US-Latino community. It focuses on development of grammatical and writing skills through the examination of topics of interest to the Latino communities.
Prerequisites: Language placement exam
Session Cycle: Fall
Yearly Cycle: Annual.

ML SP307. Conversation and Composition. 3 Credit Hours.
This course is designed for students who have completed ML SP206. The primary focus of the course is to develop conversation and writing skills at the advanced level while expanding students' cultural awareness.
Prerequisites: ML SP206 or language placement
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ML SP308. Survey of Literature in Spanish. 3 Credit Hours.
The primary focus of the course is to introduce a variety of literary works written in Spanish, and study these within their social, political and historical contexts.
Prerequisites: ML SP305 or ML SP306 or language placement exam
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ML SP309. Spanish and Latin American Film. 3 Credit Hours.
Film is not merely a form of entertainment, rather it reflects, and influences the values of the societies and cultures which it portrays. Students will study social and historical topics through the lens of cinema from Spain, Argentina, Mexico and other Spanish-speaking countries.
Prerequisites: ML SP206 or language placement exam
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ML SP310. Spanish Speaking Cultures. 3 Credit Hours.
ML SP310 is a multi-media course designed to provide you with the background you will need to understand the cultures of Spain, Spanish America, and those of the growing Latino population of the United States.

Prerequisites: ML SP206 or language placement exam
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ML SP311. Advanced Spanish Grammar. 3 Credit Hours.
The purpose of this course is to describe the intuitive knowledge that a native speaker of Spanish possesses, providing advanced level students the opportunity to develop greater insight into the intricacies of Spanish grammar and improved accuracy and fluency in speaking and writing. Students will (1) compare and contrast grammatical distinctions, (2) apply contrasts to consciously-controlled grammar choices, (3) work autonomously with interactive online tutorials, processing target forms in meaningful language, and (4) work collaboratively on meaningful tasks encoded by target forms.
Prerequisites: ML SP305 or ML SP306
Session Cycle: Spring
Yearly Cycle: Alternate.

ML SP312. Phonetics and Phonology of Spanish. 3 Credit Hours.
This course, for advanced non-native speakers of Spanish, takes a theoretical and practical approach to the phonetics and phonology of Spanish from the dual perspective of the mental representation of the sounds and their pronunciation within syllables, words and phrases. Students will engage in comprehension and sound discrimination practice, with transcription exercises and attention to correct pronunciation. Practical benefits will include improved comprehension, fluency, and pronunciation.
Prerequisites: ML SP305 or ML SP306
Session Cycle: Spring
Yearly Cycle: Alternate Years.

ML SP313. Advanced Spanish for Health Sciences I. 3 Credit Hours.
This course is designed for health science students and working professionals who have successfully completed SP305 or its equivalent. The primary focus of this course is to develop advanced-level communicative and intercultural competence as applied to a medical context.
Prerequisites: SP305
Session Cycle: Spring
Yearly Cycle: Annual.

ML SP391. Spanish Internship. 3 Credit Hours.
Students in this course engage in individually supervised employment requiring applications of language skills. Job functions include tutoring, translation, interpretation, or any Spanish-related assignments. Students must work at least ten hours per week on the job, meet periodically with a supervising faculty member, and prepare a substantive report on the work experience involved.
Prerequisites: ML SP206 and junior standing.

ML SP397. Directed Study in Spanish. 3 Credit Hours.
The course provides an opportunity for advanced Spanish students to do independent, in depth study or research in Spanish. The student works under the direction of a member of the Spanish program. The main requirement of the course is the development of a substantial paper or project.
Prerequisites: ML SP305 or ML SP306 or permission of instructor.

ML SP403. Cultures of Spanish Speaking Societies. 3 Credit Hours.
This course is designed for students who have completed ML SP305 or ML SP306. The primary focus of the course is to study a variety of cultural products including film, painting, textile, religion, literature, music and ceramics and their social, political and historical contexts.
Prerequisites: ML SP305 or ML SP306 or permission of instructor
Session Cycle: Spring
Yearly Cycle: Annual.

ML SP404. Spanish for Business. 3 Credit Hours.
This course is designed for students who have completed ML SP305 or ML SP306. The primary focus of the course is to introduce students to the specific vocabulary in Business, increase students' awareness - particularly in a business environment and provide practical information designed for business professionals to conduct business in Spanish speaking societies.
Prerequisites: ML SP305 or ML SP306 or language placement exam
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

ML SP407. Contemporary Female Writers and Filmmakers of the Spanish-Speaking World. 3 Credit Hours.
This course will explore contemporary social issues in the Spanish-speaking world through the lens of literature and film. Each unit will explore a different topic such as immigration, minority groups, race, religion, social status, ecology and gender identity, and will include literary selections and films by prominent women writers and filmmakers of the Spanish-speaking world.
Prerequisites: ML SP305 or ML SP306 or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

ML SP408. Spanish for Business II. 3 Credit Hours.
This course is designed for students who have successfully completed ML SP404. It builds on business topics of general interest from Spanish for Business I, with specialized material for management, marketing, and finance. Students apply their areas of expertise to collaborative projects, such as case studies and business plans, grouped with students of different areas of expertise. It is designed to build a solid foundation in business vocabulary and basic business concepts. The objective is to promote active language use that will help prepare students for success in the Spanish-speaking business world.
Prerequisites: ML SP404
Session Cycle: Fall
Yearly Cycle: Alternate Years.

ML SP410. Understanding Cuba: History and Culture. 3 Credit Hours.
Through selected literature and film, students will explore Cuban historical and cultural influences associated with the island nation, including Spanish colonialism, the independence movement, U.S. neocolonialism, the Cuban Revolution, Cuban society today including U.S. immigration. Readings will include works by both Cuban writers and non-Cuban writers, with all works read in Spanish by students seeking ML SP410 credit, or in English by students seeking History credit. These readings will serve as a base of information prior to an 8-day visit to Cuba over Spring Break. While in country, students will visit a number of museums, performances, and other locations in greater Havana that will bring these themes to life. Once back at Bryant, students will use their observations of daily life and culture to reflect upon all that they have learned through a collaborative research project and presentation. This course is cross-listed with HIS 410.
Prerequisites: ML SP304, ML SP305 or ML SP306 and sophomore standing
Session Cycle: Spring
Yearly Cycle: Varies.

ML SP411. Advanced Spanish for Health Sciences II. 3 Credit Hours.
This course is designed for health science students and working professionals who have successfully completed SP313. The primary focus of this course is to develop advanced-level communicative and intercultural competence as applied to a medical context.
Prerequisites: SP313
Session Cycle: Spring
Yearly Cycle: Annual.

ML SP497. Directed Study in Spanish. 3 Credit Hours.
This course provides an opportunity for advanced Spanish students to do independent, in depth study or research in Spanish. The student works under the direction of a member of the Spanish program. The main requirement of the course is the development of a substantial paper or project.
Prerequisites: ML SP305 or ML SP306 or permission of the instructor.

Political Science (POLS)

Courses

POLS 240. Contemporary Problems and Policy Responses. 3 Credit Hours.
This course places students in a dynamic learning environment within which they learn by wrestling, individually and collectively, with a series of complex, real-world problems. Different problems are selected each semester. The common thread is that these are all intractable problems created or aggravated by human intervention. The problems affect people around the world, but not always in the same ways. Students undertake repeated work cycles to analyze complex problems and evaluate appropriate policy responses. With an emphasis on the “process” of tackling social problems rather than the “end product” of that process, the course engages students in an exploratory learning process to strengthen their problem-solving skills, critical thinking, and ethical reasoning.

POLS 241. Introduction to International Politics. 3 Credit Hours.
This course is an introduction to the field of international politics, also known as international relations. It focuses on a variety of interconnected topics, including the development of the nation-state system and political interactions among countries over issues of war and peace, human rights, and economic and environmental policies. We also explore the evolution and work of international institutions such as the United Nations and the World Bank, and non-governmental international organizations such as environmental and human rights groups.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

POLS 256. Introduction to U.S. Politics. 3 Credit Hours.
This is an introductory course about the role of U.S. government and politics in American society. After tracing the development of the U.S. Constitution, the course surveys a range of topics including Congress, the presidency, the Supreme Court, federalism, political parties and elections, interest groups, civil liberties, and civil rights. Contemporary domestic policy debates are also covered.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

POLS 290. Honors Politics of the International System. 3 Credit Hours.
This honors course explores the current international political system. It examines major historical developments that shaped the actors and power distribution of the current system. Next, it explores competing international relations theories that attempt to explain the main motivations and realities guiding the behavior of actors in the system. Then, it focuses on contemporary issues with global implications. Subsequently, it examines recent and future challenges faced by particular key actors in the system as they attempt to shape the global system of the future. It concludes by returning to the system level to consider the prospects for global cultural clashes or peace through globalization. Students receiving credit for POLS 241/GLOB 241, Introduction to Global Politics, cannot receive credit for this class.
Prerequisites: Honors Program
Session Cycle: Fall
Yearly Cycle: Alternate Years.

POLS 291. Honors Contemporary U.S. Politics. 3 Credit Hours.
This honors course covers the ideas and historical factors that shaped the formation and evolution of the U.S. political system. This course surveys a range of topics including Congress, the presidency, the Supreme Court, federalism, political parties, elections, interest groups, civil liberties, and civil rights. It also focuses on the governmental and non-governmental players in the policy making system and goes beyond book knowledge to examine contemporary U.S. politics. Students receiving credit for POLS 256, Introduction to U.S. Politics, cannot receive credit for this course.
Prerequisites: Honors program
Session Cycle: Fall
Yearly Cycle: Alternate Years.

POLS 351. United States Foreign Policy. 3 Credit Hours.
Students in this course survey the instruments, implementation and issues of U.S. foreign policy. Students will learn about America's rise to power and its current role in the world with a focus both on how foreign policy is made and Post WWII U.S. involvements overseas.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Annual.

POLS 353. Campaigns, Elections, and Voting in the U.S.. 3 Credit Hours.
This course examines campaigns, elections, and voting in the United States. Topics include electoral competition, campaign organization and strategy, nominations and elections, voting behavior, and the influence of public opinion, interest groups, and the media on the electoral process. The course is offered in the fall semester of even-numbered years when congressional and/or presidential elections take place.
Prerequisites: POLS 241 or POLS 256 or POLS 290 or POLS 291
Session Cycle: Fall
Yearly Cycle: Alternate Years.

POLS 354. The U.S. Congress. 3 Credit Hours.
This course examines the U.S. Congress as a central institution in American government, exploring its structure, organization, and functions. Students will analyze congressional elections, including who runs for office, how campaigns unfold, and the factors influencing electoral success. The course will also cover the internal workings of Congress, including the differences between the House and Senate, the role of political parties, congressional committees, and the legislative process. Additionally, students will explore legislative behavior, the relationship between Congress and the executive and judicial branches, and how institutional norms and rules shape decision-making. The course will also examine its role in shaping public policy, including how legislative priorities are set and the factors that influence which issues gain traction. Core themes of democracy and representation will be emphasized throughout the course.
Prerequisites: POLS 256 or POLS 291 or POLS GLOB 241 or POLS GLOB 290
Session Cycle: Spring
Yearly Cycle: Alternate Year.

POLS 356. The Presidency in Modern American Politics. 3 Credit Hours.
The image of the presidency today as the centerpiece of the American political system is very different than the one originally outlined in the U.S. Constitution. What has brought about this change? How has this transformation impacted the separation of powers and the respective roles of Congress and the Supreme Court? What does the popular image of the president as "chief decider" signify for a democratic system of government? These questions and more guide this course's exploration of the presidency in modern American politics.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291.

POLS 361. Comparative Politics. 3 Credit Hours.
This course examines the key concepts, issues, and trends in comparative politics. Comparative politics focuses on the study of political organization and behavior using the method of comparison across time and between country cases. The course covers topics such as various types of political systems, political participation, economic development, and nationalist movements/identities. Types of countries covered include: established democracies, authoritarian regimes, communist, and developing countries.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Annual.

POLS 366. Politics of Asia. 3 Credit Hours.
This course uses comparative methodology to analyze the government and domestic politics of India, China, and Japan. Students will be introduced to the political institutions and processes of the three countries, and explore the impact of history, cultural dynamics specific to Asia and South Asia, government structures and economic change on political processes. State-society relations are examined within the context of democratization, development, and citizen movements. Issues regarding cultural and scholarly lenses will be addressed through critical examination of relevant materials and theories discussed in class.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290, or POLS 291
Session Cycle: Spring
Yearly Cycle: Varies.

POLS 367. Global Environmental Sustainability and Policy. 3 Credit Hours.
This course examines the intersection of global environmental sustainability issues, political policy, and the world economic issues. It focuses on different trajectories of environmental and ecological politics and thought, and on foundations for policy, with particular focus on climate change. The central premise is that deciding how to respond to climate change is a highly political process involving conflicts over competing values and interests, the growth of international institutions, and the link between climate change and the global economy.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Fall
Yearly Cycle: Varies.

POLS 440. Interest Groups and Lobbying. 3 Credit Hours.
Are lobbyists skilled advocates or manipulative influencers? To explore answers to this question, we will examine the role of interest groups and their lobbyists in American politics, analyzing their organization, prominence, and influence. The course will cover campaign finance and the strategies interest groups use to shape policy by influencing those in office. Despite public criticism of special interests, these groups remain deeply embedded in the policy making process, particularly through lobbying efforts in Congress, the executive branch, and the judiciary. We will also examine social movements, exploring the conditions that lead to their emergence, the factors that shape their success or failure, and how they differ from organized interest groups in influencing public policy. By the end of the course, students will have developed a deeper understanding of advocacy, influence, and political representation in the United States.
Prerequisites: POLS 256 or POLS 291 or POLS GLOB 241 or POLS GLOB 290 or Permission of Instructor
Session Cycle: Alternate Fall Semesters.

POLS 452. American Political Economy. 3 Credit Hours.
What is the nature of the relationships that exist between government and business, politics and economy, power and money in the United States? And why do these relationships matter? In this course, we will use these questions as a starting-point from which to undertake a critical examination of these relationships as they exist today and to consider where they might be heading in the future, and to generate conclusions about their potential implications - political, economic, and social.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Every Other Semester.

POLS 462. International Security. 3 Credit Hours.
In this course, students analyze the nature of the modern international system, and the resultant struggle for power, including power politics, balance of power, and war and peace. This course covers the bases and limitations of national power as well as international law, international organization and diplomacy. It applies enduring principles to modern issues and cases.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Alternate Years.

POLS 463. Ethics in International Affairs. 3 Credit Hours.
"All's fair in love and war" used to effectively summarize global politics, but in recent years, moral considerations have become major, but still controversial, components of many policy discussions. This course will examine issues such as the ethical constraints on the use of force, human rights norms, issues created by global inequality and by development programs, and ethical implications of the global economy and multinational corporations.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Alternate Years.

POLS 464. Political Ideologies - Old and New. 3 Credit Hours.
This course examines first the conflicting political philosophies of liberalism, conservatism, and Marxism which shaped the development of Western democracies and the former Communist countries, and then considers modern ideological debates over third world nationalism, environmentalism, and feminism.
Prerequisites: GLOB/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Spring
Yearly Cycle: Alternate Years.

POLS 481. Politics of Development. 3 Credit Hours.
This course examines the political, economic, and social structures of the broad array of countries in Asia, Africa, Latin America and the Middle East that make up the developing world. The major challenges faced by these countries and strategies adopted to address them will be identified and analyzed. A historical overview of the evolution of the developing world will explore the impact of colonialism and issues of post-colonialism. Issues of gender, race, ethnicity, sustainable development and the environment will also be explored.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Varies
Yearly Cycle: Alternate Years.

POLS 483. Politics of International Economic Relations. 3 Credit Hours.
This course focuses on the role of individual country governments, official international economic organizations, and globally-oriented non-governmental organizations (NGO's) in the international economic system. It examines conflict and cooperation among nations, as well as interactions between countries and international institutions such as the International Monetary Fund, the World Bank, and the World Trade Organization, as they engage in the management of trade, investment flows, exchange rates, debt, and the global environment. It also considers politics within individual countries as they affect that country's international economic policies, looking at governmental relations with business, labor associations and other non-governmental organizations as these impact on trade policies, exchange rates, and the regulation of multinational corporations' overseas operations.
Prerequisites: GLOB 241/POLS 241 or POLS 256 or GLOB 290/POLS 290 or POLS 291
Session Cycle: Fall
Yearly Cycle: Varies.

POLS 490. Seminar in Politics and Law. 3 Credit Hours.
This seminar serves as the interdisciplinary capstone course for students in the Politics and Law major. Structured as a series of discussions on pressing political and legal questions, the course emphasizes critical dialogue, collaborative inquiry, and reflection. Students will analyze complex problems and consider their ethical, institutional, and theoretical implications through rigorous analysis, presentations, and writing that demonstrate integrative thinking across the major. This course is cross-listed with LGLS 490.
Prerequisites: Politics and Law major and senior standing
Session Cycle: Fall
Yearly Cycle: Annual.

POLS 497. Directed Study in Politics. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the political science faculty. The main requirement of the course is the development of a substantial paper or project.
Prerequisites: varies by topic.

POLS ST302. Saving the World with Data. 3 Credit Hours.
This course introduces the scope and methods of contemporary political science research, emphasizing a range of techniques to address complex policy issues at the national and global levels. Political scientists employ a diverse set of tools to collect, analyze, and visualize data. We will hone the skills necessary to conduct research through fieldwork, interviews, surveys, and statistical analysis. To accomplish this, you will engage innovative techniques utilizing statistical software and artificial intelligence (AI). Throughout the course, you will also cultivate an understanding of the ethics involved in research. The practical skills learned in this course are highly transferable and can be applied to various careers after college.
Prerequisites: POLS 256 or POLS 291 or POLS GLOB 241 or POLS GLOB 290 or Permission of Instructor, MATH 201 or Permission of Instructor and Sophomore Standing
Corequisites: Prerequisites may be taken as corequisites only with permission of instructor
Session Cycle: Alternate Spring Semesters.

POLS ST400. Politics and Society of Modern Japan Confucian Culture to Animation Generation. 3 Credit Hours.
This course is designed for upper level Politics and Law majors and minors and Global Studies majors as well as those interested in the dynamic political and social challenges being faced by Japan, the most important ally of the United States in the region. This course uses a comparative perspective to examine the history and present day manifestation of Confucian thought which are key in understanding the way that the Japanese government structures relationships with its citizens. Moreover, the course examines Japanese society and the many changes working to shift and sometimes undo ancient traditions in order to manage such problems as: Japan's shrinking population, economic stagnation, environmental catastrophe security threats from Japan's neighbors and the country's changing relationship with the United States.

Prerequisites: POLS 256 or POLS 291 or POLS/GLOB 241 or POLS/GLOB 290.

Politics, Law and Society (PLS)

Courses

PLS 391. Politics, Law and Society Internship. 3 Credit Hours.
Supervised experiential engagement in the area of Politics, Law and Society, allowing students to connect Politics, Law and Society concepts with hands-on projects in professional settings. Students contribute at least ten hours per week at their placement site and check in regularly with a faculty supervisor. Open to Sophomores, Juniors, and Seniors with department chair approval.
Prerequisites: POLS 241, POLS 256, POLS 290, POLS 291, LGLS 230, SOAN 242, SOAN 243, SOAN 251, or SOAN 253 and junior standing or approval of a supervising faculty member and the department chair
Session Cycle: Every Semester.

Psychology (PSY)

Courses

PSY 260. Introduction to Psychology. 3 Credit Hours.
This course will address the major principles, theories and research methods used to understand mental processing and behavior. An extensive survey of topics on human behavior across a variety of contexts will be made, as well as the ethical history and implications of the field.

PSY 263. Honors: Core Concepts in Psychology. 3 Credit Hours.
This course will address the major principles, theories and research methods used to understand mental processing and behavior. An extensive survey of topics on human behavior across a variety of contexts will be made, as well as the ethical history and implications of the field. Students will have the opportunity to contribute directly to the teaching of the course material. Students receiving credit for PSY 260, Introduction to Psychology, may not receive credit for this class.
Prerequisites: Honors Program.

PSY 301. Sensation and Perception. 3 Credit Hours.
This course introduces the biological and psychology processes through which we perceive and interpret the world around us. We will explore major sensory and motor systems by evaluating how sensory stimuli are transformed into meaningful signals to which the brain can interpret and respond. We will discuss the structures in the brain that process sensory information, how learning augments this process, and how these systems integrate information to construct stable representation of a variety of rich perceptual experiences.
Pre/Corequisites: PSY 374
Prerequisites: PSY 260, Sophomore Standing.

PSY 353. Psychology of Personality. 3 Credit Hours.
This course will examine the major historical and contemporary approaches to understanding personality and its development. Cross-cultural and gender influences on personality will be incorporated. Students will be expected to apply their understanding of personality theory to themselves, case studies and/or historical figures.
Prerequisites: PSY 260 or PSY 263.

PSY 355. Introduction to Psychopathology. 3 Credit Hours.
As an introduction to the processes and treatment of psychopathology, this course emphasizes contemporary approaches to understanding the causes and treatments of various psychological and psychiatric disorders.
Prerequisites: PSY 260 or PSY 263.

PSY 360. Child and Adolescent Development. 3 Credit Hours.
Human development is examined from the prenatal period through adolescence. Current research methods and relevant theories will be used to address the multiplicity of factors contributing to children's development.
Prerequisites: PSY 260 or PSY 263.

PSY 361. Adult Development and Aging. 3 Credit Hours.
The nature of psychological and physical change as well as stability throughout adulthood will be examined. A special emphasis is placed on understanding the experiences of aging individuals in the context of an aging society.
Prerequisites: PSY 260 or PSY 263.

PSY 362. Lifespan Development. 3 Credit Hours.
This course explores human development across the lifespan, highlighting how biological, psychological, social, and cultural factors shape growth and development. Students will examine major life stages—including infancy and childhood, adolescence, emerging adulthood, middle adulthood, and late adulthood—and connect core developmental theories to real-world contexts, considering the influence of family, culture, technology, and historical change. Through experiential projects, interactive lectures, and class discussions, students will apply developmental science to understand both individual differences and shared human experiences.
Prerequisites: PSY 260 Introduction to Psychology
Session Cycle: Alternate Spring Semesters.

PSY 365. Environmental Psychology. 3 Credit Hours.
This course uses an interdisciplinary perspective to investigate the role of the environment on behavior. Attributes of environmental settings which are associated with human performance and functioning will be analyzed.

Prerequisites: PSY 260 or PSY 263.

PSY 371. Applied Psychology. 3 Credit Hours.
In this overview course, the practical applications of psychological research to issues and problems facing the world will be addressed. Students will learn and be actively engaged in how psychological findings can be used in a large variety of contexts. These contexts include biomedical, educational, end user behavior, industrial/organizational, sports, legal system, physical surroundings, product design, aviation, animal training, paranormal phenomenon, elderly, and similar human factor environments.
Prerequisites: PSY 260 or PSY 263.

PSY 372. Positive Psychology. 3 Credit Hours.
This course focuses on the current findings from positive psychology including (1) antecedents of subjective well being happiness from birth through death (2) optimal human functioning and human excellence across the life span, (3) development of positive individual traits including virtue, interpersonal strength, self-determination, wisdom, altruism, optimism, and integrity, and (4) the study of collective or societal wellbeing.
Prerequisites: PSY 260 or PSY 263.

PSY 373. Cognitive Psychology. 3 Credit Hours.
This course is an overview of the primary areas within cognitive psychology. Topics include cognitive neuroscience, perception, attention, memory, language, mental imagery, categorization, decision-making and problem solving. Current, as well as classic theoretical perspectives and experiments, will be emphasized throughout the course.
Prerequisites: PSY 260 or PSY 263.

PSY 374. Introduction to Neuroscience. 3 Credit Hours.
This course provides a foundational overview of the structure and function of the human nervous system. Topics include the function of neurons and neural communication, the organization of the brain, sensory systems, and the neural basis of behavior. Students will explore how neurons process and transmit information, how brain regions are anatomically and functionally organized, and how neural systems contribute to perception, cognition, and behavior. Although the focus is on the human brain, comparative examples from animal research will be incorporated to illustrate key principles.
Prerequisites: PSY 260 or PSY 263.

PSY 375. Health Psychology. 3 Credit Hours.
This course is an overview of the primary areas within Health Psychology. These include an overview of the history of health psychology, methodological issues in health psychology research, the biopsychosocial model of health and illness, basic systems of the body, stress, illness, and coping, lifestyle enhancement and illness prevention, health promotion, dealing with chronic illness, proper utilization of the health care system, pain, life threatening health problems, and future issues for health psychology.
Prerequisites: PSY 260 or PSY 263.

PSY 376. Research Methods in Psychology. 3 Credit Hours.
This course is an introduction to experimental methods in psychology. The goals of this course are for you to learn how research is planned, carried out, communicated, and critiqued. This course will focus on developing general psychological research skills, including knowledge of experimental design, statistics, report writing, and ethical standards of research. In addition, this course will emphasize critical evaluation of scientific evidence. Mastery of the material covered should enable you to evaluate the adequacy of research findings reported by others, design research studies of their own, collect and analyze data, and write APA style research reports.
Pre/Corequisites: MATH 201
Prerequisites: PSY 260 or PSY 263.

PSY 377. Educational Psychology. 3 Credit Hours.
This course explores psychological principles, theories and methodologies as they apply to issues of teaching and learning in diverse educational and community settings. Topics covered include theories of learning and motivation, developmental characteristics of learners, individual differences, teacher behavior, assessment, and socio-cultural influences on learning and schooling.
Prerequisites: PSY 260 or PSY 263.

PSY 378. Industrial and Organization Psychology. 3 Credit Hours.
This course is an introduction to Industrial and Organizational (I/O) Psychology which focuses on human behavior in the workplace. I/O psychologists assist institutions in effectively hiring, managing, developing, and supporting employee careers. I/O psychologist efforts in aligning worker efforts with organizational needs contribute to the achievement of strategic goals. For employees, these goals include reduced turnover, increased productivity, enriched engagement, and enhanced subjective well-being.
Prerequisites: PSY 260 or PSY 263.

PSY 379. Neural Circuits and Systems. 3 Credit Hours.
This course will examine how neural circuits and systems function to produce sensation, action, and more complex behaviors, such as attention, executive function, language, emotion, motivation and sleep. We will also explore how disruptions to large-scale circuits or systems can result in mental illness. We will build on concepts learned in PSY374 and make use of modern methods and recent research in humans as well as animal models to inform our study.
Prerequisites: PSY 374 and Sophomore Standing.

PSY 386. Research Methods in Psychology II: Psychological Research and Statistics. 3 Credit Hours.
This course is the second course in the required research methods sequence for psychology majors, focusing on the design, implementation, and analysis of psychological research. Psychology students are expected to be well-versed in the conduct and interpretation of psychological research in preparation for further study at the graduate level, the workplace, and in life. This course will focus on the major subjects of research design, implementation, and data analysis and interpretation.
Prerequisites: PSY 260 or PSY 263 and Math 201 and PSY 376 and sophomore standing.

PSY 391. Psychology Internship. 3 Credit Hours.
Students engage in individually supervised work-study arrangements and learn to apply psychological theory and principles in a work environment (e.g., youth recreation center or mental health clinic). Students must work at least ten hours per week on the internship (120 hours minimum), meet periodically with a supervising faculty member, research literature related to the field of the internship, and prepare a substantive report on their internship experience and the studies involved. This course is limited to juniors and seniors and requires the approval of a supervising faculty member and the department chair.
Prerequisites: PSY 260 or PSY 263.

PSY 401. Neurobiology of Learning and Memory. 3 Credit Hours.
This course will offer an opportunity to explore the field's current understanding of learning and memory processes gained largely from both human and animal research. We will discuss how science is performed, learning is measured, and memory is studied. Comparisons will be made between different types of learning and a variety of memory systems. We will evaluate the mechanisms that are thought to underlie these processes and how they can be disrupted.
Prerequisites: PSY 260 and PSY 374.

PSY 402. Human Bots: The Intersection of Artificial and Human Intelligence. 3 Credit Hours.
This course explores the relationship between human cognition and artificial intelligence, focusing on how AI systems support, extend, or complicate human thinking. Students will examine essential topics in human memory, attention, decision-making, and problem solving, alongside foundational concepts in contemporary AI. Emphasis is placed on comparing the strengths and limitations of human and machine intelligence, evaluating the cognitive and ethical risks of AI-assisted judgment, and developing best practices for responsible human–AI collaboration. Through case studies, hands-on activities, and critical analysis, students will gain the skills needed to understand and navigate the expanding role of AI in personal, academic, and professional contexts.

Pre/Corequisites: PSY 260: Introduction to Psychology and Junior Standing
Session Cycle: Every Fall Semester.

PSY 440. The Design Thinking Process. 3 Credit Hours.
In this hands-on course, you will have an opportunity to learn and apply the design thinking process while simultaneously developing an understanding of the psychological (cognitive, behavioral) principles that underlie innovative thinking, problem-solving, and gamification. This course builds explicitly upon the introduction to design thinking that you received during the IDEA program. We will learn how design thinkers embrace a "test and learn" and "build to think" philosophy toward innovation.
Prerequisites: IDEA 101 and either PSY 260 or MGT 302.

PSY 465. Cross-Cultural Psychology. 3 Credit Hours.
This course involves an in-depth examination of culture's role in socialization and behavior. The rationale and methodology of cross-cultural psychology are extensively addressed early in the semester. Thereafter, specific topics such as life transitions or cognitive styles are analyzed in a seminar format.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 470. Social Psychology. 3 Credit Hours.
This course examines the factors impacting human relationships. Emphasis is placed on interpersonal attraction, attitude formation, social perception and cognition, altruism, aggression, small group behavior, and social identity and influence.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 471. Gender in Childhood. 3 Credit Hours.
In this course the meaning of gender and how it shapes children's experiences, perceptions, identities, and behavior will be addressed. The confluence of biology and socio-cultural factors on gender development will be considered. A variety of research approaches will be discussed as well as used by students.
Prerequisites: PSY 260 or PSY 263 and Junior standing.

PSY 472. Child Psychopathology. 3 Credit Hours.
This course will focus on major forms of atypical development in childhood and adolescence. Students will learn about the defining characteristics, possible causes, diagnosis, theoretical formulations, research evidence, and current approaches to intervention and prevention for child and adolescent disorders. These include behavioral disorders, mood disorders, developmental and learning problems, and problems related to physical and mental health. Psychopathology will be examined within the context of normal developmental processes and the larger systems in which children live.
Prerequisites: PSY 260 or PSY 263 and sophomore standing.

PSY 480. Counseling Theory and Practice. 3 Credit Hours.
This course reviews the major contemporary theories and techniques of counseling. Students have opportunities to observe counseling situations and to practice counseling techniques. Cross-cultural issues will be addressed.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 481. Exercise and Sport Psychology. 3 Credit Hours.
Exercise and Sport Psychology is the field of study whereby the educational, research, and professional contributions of psychology are used to promote, enhance, and maintain exercise and sport behavior across the lifespan. The course will emphasize the practical applications of these principles.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 482. Forensic Psychology. 3 Credit Hours.
This course is an introduction to the field of forensic psychology. Its content coverage will include the examination of the current issues, theories, and interface between psychology and the legal system. Students will explore a range of topics including criminal profiling, the reliability of hypnosis, lie detection, eyewitness testimony, trial preparation and jury selection, the insanity defense, domestic violence and sexual abuse cases, and death penalty trials and appeals.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 483. Drugs and Behavior. 3 Credit Hours.
This course is an overview of the primary topics related to understanding drugs and their effects on human behavior. Topics include historical and methodological perspectives, basic principles of drug action, basic neurobiology, and the physiological and behavioral effects of drug use and abuse, including stimulants, depressants, narcotics, hallucinogens, designer drugs, inhalants, alcohol, tobacco, and caffeine. The course will also cover the psychopharmacology and behavioral effects of prescription psychiatric medications, including anti-depressants, anti-psychotics, anxioloytics, mood stabilizers, and hypnotics (sleep agents). Additional readings and exercises will be assigned to enhance exposure to various topics beyond the text. Current as well as classic theoretical perspectives will be emphasized throughout the course.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 484. Psychological Testing and Assessment. 3 Credit Hours.
This course explores the goals and principles of psychological and educational assessment. Topics covered include the fundamentals of measurement theory and testing-related statistics; test construction and administration; and a review of the major types of psychological and educational tests. Contemporary issues in assessment such as bias, laws, and ethical concerns will also be discussed.
Prerequisites: PSY 260 or PSY 263 and MATH 201 and junior standing.

PSY 486. Judgement and Decision Making. 3 Credit Hours.
This course will examine the research on human judgment and decision making, and will explore the influence of these proceses in real-life areas such as health decisions, financial decisions, legal judgment, political decisions, and personal relationship choices.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY 490. Senior Research Seminar. 3 Credit Hours.
In this course, students will integrate the knowledge they have accumulated in their first three years as an applied psychology major through the development and investigation of their own applied psychology hypothesis. In collaboration with the instructor and with their classmates, students will proceed through the stages of research from hypothesis development, to literature review, to proposing their research methods, to data collection, with the project culminating in written and oral presentations of their findings. Additionally, students will have the opportunity to influence their classmates' projects, and have them influence their project, as they discuss and evaluate each other's work. After completing the course, students will be qualified to evaluate others' research as well as conduct their own research, a skill crucial to many applied psychology careers.
Prerequisites: PSY 260 or PSY 263, PSY 371, PSY 376, Applied Psychology major, senior standing or permission of the instructor.

PSY 491. Senior Internship Seminar. 3 Credit Hours.
This course will serve to integrate and apply knowledge derived from prior coursework. This course has two major components: the field placement and the classroom seminar. The field placements are expected to be diverse and selected based on student interest and preparation. The seminar portion of the course will involve faculty lectures, class exercises, student-to-student discussions and written assignments based on assigned reading materials and field experiences.
Prerequisites: PSY 260 or PSY 263, PSY 376, Psychology major, senior standing or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

PSY 497. Directed Study in Psychology. 3 Credit Hours.
This course involves independent and in-depth study of a specific topic in psychology. Students work on an individually supervised research project with a member of the psychology faculty. Instructor and department chair permission is required.
Prerequisites: PSY 260 or PSY 263 and junior standing.

PSY ST385. Special Topic: Head, Hand, and Hertford Programme in Leadership Innovation. 3 Credit Hours.
Travel to Oxford to participate in the Head, Hand, and Hertford Programme at Hertford College. Students study in residence at historic Oxford for two weeks, where they will develop skills in leadership, communication, and innovation alongside Oxford students. Within a rigorous academic environment, this program is led by Hertford College Principal Tom Fletcher. Students participate in workshops taught mostly by Oxford faculty. Through an engaging one-of-kind cultural immersion program, students will build upon skills that they have learned at Bryant to take their leadership skills to the next level. With an enhanced global perspective, appreciation for sociohistorical context, and personal growth and character development, students will leave this course with the intellectual and practical skills of a truly innovative leader.

Science and Technology (SCI)

Courses

SCI 251. Biology I Principles of Biology. 3 Credit Hours.
This course serves as an introduction to the fundamental principles of biology. Emphasis will be placed on topics including scientific/biological methodology, biological classification and nomenclature, cell structure and function, cellular biochemistry, principles of energy and metabolism, genetics, aspects of ecology, and the core theory of modern biology - evolution. Students will gain a deeper understanding of life processes at the cellular and molecular level. This course may be taken with a laboratory to fulfill the laboratory requirement for graduation.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 252. Medical Terminology. 1 Credit Hour.
This one-credit course introduces medical terminology for students entering health professions as well as other fields such as law, insurance, technology development, billing, and sales. Lectures are asynchronous online; testing and orientation are in person. It starts with an introduction to word parts building medical terms, instruction in organization of the body, directional terms, and abbreviations. A general overview of functions, pathology, and medical management will be provided for the major organ systems in the body.
Session Cycle: Fall.

SCI 253. Biology II Organismal Biology. 3 Credit Hours.
This course is intended as a higher level biology course focusing on organismal biology, the study of structure, function, ecology and evolution at the level of the organism. It will use evolutionary theory as an organizing theme to explore biodiversity, physiology of various organism groups (plants, animals, etc.), and ecology, with human physiology especially highlighted. This course will be essential for students intending to pursue advanced graduate or professional training in biological and biomedical fields.
Prerequisites: SCI 251
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 262. Physical Geology. 3 Credit Hours.
This course explores the cyclicality of geologic processes that shape the earth. Volcanic activity and earthquakes contribute to the building of mountains. Rivers and oceans help to destroy mountains. This simplistic idea is expanded to give the student a very good idea of "how the earth works." This course may be taken with a laboratory to fulfill the laboratory requirement.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 263. Astronomy. 3 Credit Hours.
This general introductory course explores the fundamentals of astronomy. All branches of modern astronomy are covered. Major topics include the historical development of astronomy, the solar system, and the universe beyond. This course may be taken with a laboratory to fulfill the laboratory requirement.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 264. Physics I Introductory Physics. 3 Credit Hours.
This course deals with some areas of physics, such as mechanics, heat, waves, sound, light, electricity, and modern atomic physics, primarily from a conceptual point of view. This course will be especially useful to students who plan to enter an industry in which an understanding of the physical laws of nature is desirable. This course may be taken with a laboratory to fulfill the laboratory requirement.
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 265. Introductory Chemistry I. 3 Credit Hours.
This course will provide a general knowledge of chemistry as foundational background for careers in the environmental and biological sciences, chemical, agricultural and pharmaceutical industries, energy and materials management, and community service sectors. This course provides an introductory study of the fundamental concepts of chemistry: atomic and electronic structure, chemical bonding, simple reactions in organic and organic chemistry, and chemical equilibria. This course may be taken with a laboratory to fulfill the laboratory requirement.
Corequisites: SCI R265: Introductory Chemistry I Recitation
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 267. Introductory Chemistry II. 3 Credit Hours.
This course completes a two-semester introductory chemistry sequence and will enhance a student's preparation for further study in the environmental and life sciences at Bryant. Recommended for students who are majors in Biology or Environmental Science and who plan to enter an industry or field of study where a general knowledge of chemistry is essential such as the health professions (medical, pharmaceutical, dental) and graduate school in the biological sciences. This course will characterize and explain chemical systems at equilibrium, as well as exploring spontaneous processes, rates of chemical reactions, electrochemistry, thermodynamics, and acid/base chemistry.
Prerequisites: SCI 265 Introductory Chemistry I
Corequisites: SCI R267: Introductory Chemistry II Recitation
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 268. Introduction to Environmental Sustainability. 3 Credit Hours.
This course provides students with a broad overview of the scientific principles, concepts, and methodologies required to understand the interrelationships implicit in environmental studies, including the concept of sustainability, and to identify and analyze environmental problems both natural and human-made. Integrated laboratory and/or field exercises will demonstrate the principles, processes, techniques, and technologies of environmental problems and solutions.
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 269. Climate Change. 3 Credit Hours.
This lecture course will both satisfy the science requirement in Bryant's General Education (Gen Ed) Curriculum and serve as an introduction to the most pressing issue and the most challenging crisis that humans now face—climate change. It will provide students with the fundamental scientific knowledge to help them understand the causes of climate change, the factual information on the immediate and lasting impacts on land and life, and the possibilities and innovations to mitigate and remediate climate-related disasters.
Session Cycle: Fall and Spring.

SCI 274. Physics II Biological Physics. 3 Credit Hours.
This course explores concepts in physics specifically related to the biological and health sciences, including properties of fluids and solids, thermodynamics, optics, electrostatics and DC circuits, and radiation and health. Examples will be drawn primarily from the biological world with a special emphasis on human and animal health. This course is required for students pursuing a pre-med track within the Biology major.
Prerequisites: SCI 264
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 275. Introduction to Healthcare: Clinical and Business Perspectives. 3 Credit Hours.
This course provides a broad-based introduction to the delivery of healthcare, as well as the growing and ever-changing healthcare industry. Students will become familiar with a variety of health professions and the importance of an interdisciplinary healthcare team. Topics such as documentation, DEI in healthcare, as well as social determinants of care will be discussed. The healthcare sector will be examined from a business standpoint, with an emphasis on insurance carriers, reimbursement, marketing, regulatory affairs, as well as other political and economic factors. The topic of biomedical ethics will be a theme that carries through the entire course.

SCI 351. Ecology. 3 Credit Hours.
This course provides a review of ecological principles and selected research studies underlying these concepts, identifies techniques used by ecologists, and presents an overview of local and global environmental issues, including strategies for sustainability. In addition, the course emphasizes critical analysis of environmental problems and examines individual, group and societal roles important to improving environmental quality. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 251, SCI 262, SCI 266, or SCI 268, or permission of the instructor
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 352. Exercise Physiology. 3 Credit Hours.
This course examines exercise from a scientific standpoint by analyzing the acute responses and chronic adaptations of the human body during aerobic and anaerobic exercise challenges, related to endurance and strength training. Emphasis is placed on bioenergetics as well as the mechanism for exercise related responses and adaptations in the musculoskeletal, pulmonary, cardiovascular, and endocrine systems. Students are encouraged to register for the optional SCI L352 Exercise Physiology Lab course during the same semester as the lecture course.
Prerequisites: SCI 251- Biology I Principles of Biology
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 353. Human Muscles and Movement. 3 Credit Hours.
This course leads students through an examination of the skeletal system, the joints, and the major muscles within the human body. Muscle actions will be determined through an analysis of their attachment points, line of pull, and orientation to the joint(s) they cross. Students will learn what joint positions place muscles on stretch, and what joint motions occur during various muscle contractions. Functional activities and common exercises will be analyzed to identify what muscles are contracting and what other forces may be influencing movement.
NOTE: This course is designed for students outside the Exercise and Movement Science major, and students may not receive credit for SCI 353: Human Muscles and Motion if they have or will receive credit for SCI 387: Functional Musculoskeletal Anatomy and/or SCI 381: Kinesiology.
Prerequisites: SCI 251.

SCI 354. Fundamentals of Nutrition. 3 Credit Hours.
Nutrition concerns the study of processes by which organisms ingest, digest, absorb, utilize food and excrete wastes. Students will learn human diet and nutritional needs and develop the ability to think critically about nutrition claims and counterclaims in the marketplace. Recent advances in nutrition research, such as those relating to weight loss, performance enhancement, and mood control, will also be covered.
Prerequisites: SCI 251
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 355. Energy Strategies for a Sustainable World. 3 Credit Hours.
In this course students review the principles of energy transformation, explore alternative energy resources and their feasibility, and assess current and future energy policy formation. In addition, students examine the economic and ecological impacts of various policy options and provide assistance in structuring institutional management plans for efficient energy use. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: 200-level science course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 356. Introduction to Biotechnology. 3 Credit Hours.
Biotechnology is the commercial application of living organisms involving the deliberate manipulation of their DNA. As such, biotechnology broadly impacts commercial markets in human and animal health care, agriculture and horticulture, and the forensic sciences. Students will learn, through lectures and "hands on" laboratory experiences, about the biotechnology products and "new life forms" which have been or are about to be commercialized. This course involves significant "hands on" experiences and focuses on the development process of bioengineered products from Idea inception to market entry. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 251 or SCI 265
Session Cycle: Varies.

SCI 359. Artificial Intelligence (AI) in Healthcare. 3 Credit Hours.
This course introduces artificial intelligence (AI) from the perspective of its application to healthcare. The course focuses on applied techniques in AI, drawing from a collection of case-studies chosen to be both approachable and current. A working proficiency in Python is helpful, but the course will review and workshop the necessary programming skills for those with little or no programming background. The course will also include support programming libraries to make the technical aspects more approachable. By exploring case-studies, and applied techniques to real data sets, students will gain both the practical skills of implementing the methods of AI in healthcare and the necessary understanding of how the methods work. In this way, students will be able to approach new methods of AI as they are developed in this fast-paced field with the confidence that they can understand both the strengths and weaknesses of AI.
Session Cycle: Every Spring.

SCI 360. Anatomy and Physiology I. 3 Credit Hours.
The essential principles of human anatomy and physiology are explored in this course, using a systems approach. The first portion of the course will review fundamental biological and chemical principles central to life at a cellular level, and explore the structure and function of tissues. The second portion of the course will involve a detailed analysis of the structure and function of the integumentary, skeletal, muscular, nervous and endocrine systems, as well as an examination of the senses. The coordination of these organ systems and their role in the maintenance of homeostasis in the human body will also be explored. The course can be taken with a laboratory to fulfill the laboratory requirement, or to prepare for application to medical or professional programs in the health sciences.
Prerequisites: SCI 251 and SCI L251 and SCI 253 or instructor permission

Session Cycle: Fall
Yearly Cycle: Annual.

SCI 363. Genetics. 3 Credit Hours.
This course will introduce students to the fundamental concepts of genetics. The first half of the course will detail classical inheritance patterns, chromosomal rearrangement, mutations and DNA repair. The second half of the course will deal with modern discoveries and applications in today's world with respect to uses in biotechnology, genomics as well as the role of genetics in the development of disease states such as cancer. Experimental data will be incorporated into each segment of the course to enhance understanding of the scientific method and reinforce lecture topics. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 251, sophomore standing or permission of instructor
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 365. Organic Chemistry I. 3 Credit Hours.
This course will provide an introduction to the chemistry of organic compounds and the importance of organic chemistry in our everyday life. Organic chemistry is involved in many industrial production processes such as plastics and pharmaceuticals, as well as being essential to the reactions and processes that occur in living organisms. This course will cover the structure and chemistry of the major classes of organic compounds and is recommended for students who plan careers in environmental toxicology, the chemical and pharmaceutical industries, waste management, biological sciences and geochemistry. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 267: Introductory Chemistry II
Corequisites: SCI R365: Organic Chemistry I Recitation
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 366. Coastal Environments. 3 Credit Hours.
This course will teach the student how different types of coastlines are molded from waves, tides and sediment supply. It will also show the different tools, methodologies, and applications that are available to the coastal geomorphology assessment and surveying service industries. Group projects involve the preparation of technical/cost proposals to solve coastal geo-technical problems and design of coastal management plans.
Prerequisites: SCI 251 or SCI 262 or SCI 266 or SCI 287 or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 367. Biochemistry. 3 Credit Hours.
This course involves the study of chemical processes that are continually occurring within a living organism. The structures and functions of critical chemical components of all cells will be covered as well. In addition, critical processes such as metabolism, generation of energy and the biosynthesis of major biomolecules (proteins, DNA, lipids, carbohydrates) and photosynthesis will be analyzed in-depth. The final portion of the course will examine biochemical basis of disease, and how biological systems deal with toxins. Enrollment in the companion laboratory course is recommended, as it provides valuable practical experience that supports and enriches the conceptual framework established in lecture.
Prerequisites: SCI 251 and SCI 365; or permission of the instructor
Session Cycle: Every Spring Semester.

SCI 368. Elements of Forensic Science. 3 Credit Hours.
This course will provide an overview of forensic science, including strategies for identifying and solving complex problems, exposure to the analytical tools used by forensic scientists, and the professional standards and ethical considerations guiding practitioners. Special topics will include the scope and history of forensic science, the use of scientific methodology, the concepts of evidence and proof, and the methodologies used for establishing unique connections based on physical, chemical and biological evidence. Students will also become acquainted with the role of histology, serology and DNA typing in forensic analyses, the importance of accurately reconstructing dynamic processes; the recognition, collection and preservation of evidence; the use of statistical techniques, and the demands for quality assurance. An introduction to the technologies used by forensic scientists will be included, along with an examination of the scope of professional careers in forensic science, especially the collage of specialties that comprise collaborative forensic teams.
Prerequisites: SCI 251 or SCI 265 or permission of the instructor
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 371. Human Impact on the Global Environment. 3 Credit Hours.
Having doubled in the last 40 years, the human population is requiring an increasing amount of natural resources while generating a substantial amount of waste and pollution that the environment can no longer absorb. It has been reported that human activities, such as land development and agriculture, have modified over 50% of the Earth's land surface. We are also causing an extinction rate 1,000 – 10,000 times greater than the background extinction rate. This course covers environmental issues on land use, wildlife protection, and human health. Topics include toxicology, agriculture, forestry, urbanization, biodiversity decline, and sustainable solutions. Tools and techniques for problem solving and analysis will be emphasized. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: 200-level science course
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 373. Artificial Intelligence and Robotics. 3 Credit Hours.
Can machines think? What does this really mean? This course provides an introduction to the topic of artificial intelligence and robotics. The lab part of the course provides hands-on experience in the making of thinking machines. The lecture part of the course will focus on the theory of artificial intelligence and robotics, but will also include some hands-on projects and competitions. The course (both the lab and lecture) will serve as an introduction to programming in Python, and the use of the robotic hardware. The course will present methods for solving difficult decision-making problems. The lecture and lab (SCI L373) must be taken concurrently. Some programming experience is helpful but is not required.
Prerequisites: 200 level science course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 374. Organic Chemistry II. 3 Credit Hours.
This course is the second semester offering of the full year of organic chemistry. This course will expand your basic knowledge of organic chemistry by developing a deeper understanding of the reactivity of functional groups such as aromatic rings, dienes, alcohols, amines, aldehydes, ketones, carboxylic acids and their derivatives. In addition, it will further your understanding of "electron pushing", so that you are able to propose reasonable reaction mechanisms. Students will be able to use the fundamentals of functional group reactivity to develop multi-step syntheses of organic molecules. Finally, students will be able to use NMR spectroscopy, along with IR spectroscopy and mass spectrometry, to deduce unknown organic structures.
Prerequisites: SCI 365
Corequisites: SCI R374: Organic Chemistry II Recitation
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 376. GIS for Health, Business, and the Environment. 3 Credit Hours.
This course will demonstrate how Geographic Information Systems (GIS) can be used to help build efficiency and solve real-world problems in the health, environmental, and business industries. This course will focus on contemporary GIS data management, the structure of GIS applications, the types of mapping data that can be processed, and the types of customized products that can be developed. Case studies will be used to develop career-related skills such as utilizing GIS data to improve decision making, generating data visualization, and presenting findings to stakeholders. Through project-based learning, students will have the opportunity to utilize GIS tools within their individual fields of interest.
Prerequisites: 200-level science course
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 377. Microbiology. 3 Credit Hours.
This course examines life at the microscopic level and is designed to provide an understanding of microbiology and its connectedness to the environment, medicine, agriculture, and industry. Topics will include exploration of the world of bacteria, viruses, protista, and fungi, use of microbes in genetic engineering, food preservation and safety, the role of microbes in biotechnology, industry, and agriculture, antibiotic resistance, viral and bacterial diseases of humans, and the use of microbes or microbial products in bioterrorism. Demonstration exercises will be integrated throughout the course to reinforce lecture topics. This course may be taken with a laboratory to fulfill the laboratory requirement.
Prerequisites: SCI 265 with lab or SCI 251 with lab or permission of instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 379. Emergency Medical Technician I. 3 Credit Hours.
This course is part one of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include an overview of the EMS system and work force, medical legal issues, documentation, patient assessment, pharmacology, lifting and moving, airway management and respiratory emergencies, trauma, management of bleeding and shock, as well as management of acute disorders of the genitourinary, cardiovascular, neurological, gastrointestinal and urological systems.
Prerequisites: SCI 251 Corequisite: SCI L379
Session Cycle: Alternate Fall Semesters.

SCI 380. Anatomy and Physiology II. 3 Credit Hours.
This course is the second semester of a 2-course sequence that covers the study of the structure and function of the human body. Topics include a further exploration of essential principles in human anatomy and physiology, and are built upon the knowledge acquired in Anatomy and Physiology I. The course will proved a detailed analysis of the structure and function of the cardiovascular, lymphatic, digestive, respiratory, urinary and reproductive systems, as well as to examine human growth and development. The coordination of organ systems and their role in the maintenance of homeostasis in the human body will be examined. The course is matched with a laboratory component (Anatomy and Physiology Lab II), and is considered to be a requirement for pre-med and many pre-professional health programs.
Prerequisites: SCI 360, Sophomore standing, or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 381. Human Kinesiology. 3 Credit Hours.
This course will examine human movement by studying the relationship between human structure and function. Normal and abnormal movement patterns will be defined in the context of osteokinematic and arthrokinematic motions. Consideration will be given to the internal and external forces that cause or resist human movement. Emphasis will be placed on joint biomechanics during stretching, functional activity, and resistance exercise, as well as the biomechanical factors that influence human strength and power.
Prerequisites: SCI 387
Corequisites: SCI L381
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 382. Cell Biology and Molecular Genetics. 3 Credit Hours.
This course is designed for upper-level students as a continuation of General Biology. SCI 382 focuses on the fine structure of cells, intra- and intercellular communication, and the molecular organization and transfer of genetic information. Experimental design, methodology, and current biotechnological applications will also be discussed. For many of the lecture topics, primary research and review articles will be assigned for reading pertaining to the lecture. The overall goal of the course is for students to synthesize knowledge of how cells function with experimental design and experimental methodology. Upon the completion of this course students should be able to successfully convey this knowledge through scientific writing and add to their knowledge through reading and understanding of scientific literature. Enrollment in the companion laboratory course is recommended, as it provides valuable practical experience that supports and enriches the conceptual framework established in lecture.
Prerequisites: SCI 251
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 383. Human Health and Disease. 3 Credit Hours.
This course provides an in-depth examination of human health, disease processes, and evidence-based approaches to disease prevention, diagnosis, and treatment. Students will explore the pathophysiology of multiple body systems including musculoskeletal, cardiovascular, respiratory, nervous, gastrointestinal, endocrine, and integumentary systems, as well as cancer, pain mechanisms, mental health, and the impact of climate change on human health. The course emphasizes the development of skills in locating, evaluating, and applying scientific research literature related to human health and disease. Students will learn to critically assess evidence-based medical information and understand how modern biomedical advancements inform disease management, preparing them for advanced study in health sciences and biology.
Prerequisites: SCI 251 or SCI 267
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI 384. Emergency Medical Technician II. 3 Credit Hours.
This course is part two of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include management of patient exposed to hazardous materials, poisons, or allergens, endocrine and hematologic disorders, behavioral health crises, vehicular extractions, managing mass casualty incidents, special rescues (i.e. water), and managing special populations such as obstetrics, neonatal, pediatrics, geriatric, and patients with other special needs.
Prerequisites: SCI 379, SCI L379 Corequisites: SCI L384
Session Cycle: Alternate Spring Semesters.

SCI 386. Sports Nutrition. 3 Credit Hours.
This course examines the role that professionals in the exercise industry play in promoting optimal nutrition to optimize human health, athletic performance, and recovery. Analysis of nutrient requirements before, during, and after exercise will be explored from an evidence-based bioenergetics standpoint. The use of nutritional supplements, popular diets, weight control, and causes and treatment of eating disorders will be explored. Consideration will also be given to how hormone action, performance enhancing substances, alcohol and tobacco influence an athlete's performance.
Prerequisites: SCI 251 Biology I (with lab)
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 387. Functional Musculoskeletal Anatomy. 3 Credit Hours.
A thorough understanding of functional musculoskeletal anatomy is necessary to become an expert in human movement and exercise. This course uses a regional approach to studying the anatomical structures that create both stability and movement in the human body, including muscles, bones, joints, and connective tissue. The function of individual muscles will be examined based on their anatomical attachment points, and surface palpation of the major bony landmarks and muscles of the trunk and extremities will be performed.
Prerequisites: SCI 360 Anatomy and Physiology I (with lab)
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 388. Field Experience I. 3 Credit Hours.
This course is the first of two field experiences in the Exercise and Movement Science program. During this field experience students spend 150 hours in an exercise science/wellness setting that meets Bryant's Exercise and Movement Science program requirements. This field experience provides students with the opportunity to gain real-world experience and to apply scientific and ethical principles learned in the classroom in an authentic environment.
Prerequisites: SCI 381, SCI L381: Kinesiology (with lab), SCI 476, SCI L476: Principles of Strength and Conditioning I (with lab)
Session Cycle: Every Fall Semester.

SCI 390. Research Methods in Science. 3 Credit Hours.
This course is intended to provide an introduction to scientific methodology and analytical science. Topics will include data analysis, statistical analysis, principles of spectrophotometry, chromatography and microscopy, field sampling techniques, technical writing, and oral presentation skills. This course will serve as the foundation for the SCI 490 research project and those students interested in analytical science.
Prerequisites: Junior standing and science major or permission of the instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 391. Science Internship. 3 Credit Hours.
The science internship provides the student with the opportunity to gain on-the-job experience and to apply scientific principles and procedures learned in the classroom in a work environment. The student is required to meet regularly with a faculty advisor, keep a daily log of activities, complete a paper or specific research project, and prepare an evaluation of the experience at the end of the internship.
Prerequisites: Approval of a supervising faculty member and department chair.

SCI 392. Real World Applications for Sustainability and Climate Action. 3 Credit Hours.
This course presents a comprehensive assessment of environmental policy, emphasizing the interrelationship between science, business, and governance for mitigating climate change impacts. The course is enriched by hands-on learning experiences dedicated to the conservation of biodiversity, achieving sustainable growth policies that encompass economic realities, or the development of technological and methodological innovations in sustainability. The course includes a semester long, student-designed research project, the attendance of seminars and other campus events, and student-led discussions. By the end of the semester. Students will be familiar with corporate sustainability strategies and metrics for assessing environmental performance and decarbonization initiatives.
Prerequisites: SCI 268, or SCI 269, or permission of the instructor
Session Cycle: Every Spring.

SCI 397. Directed Study in Science. 3 Credit Hours.
This course is tailored to fit the unique interests of a student interested in science. Faculty and student will design a program for the study of complex issues in science and/or technology, including technical applications of scientific methodology and basic applied research into existing scientific problems, including regular meetings throughout the semester. The end product of this study would be a paper describing the results of the investigation, including methodology and data that have been generated, or the equivalent.
Prerequisites: approval of supervising faculty member and department chair.

SCI 401. Fundamentals of Strength and Conditioning. 3 Credit Hours.
This course provides a broad-based exposure to the theory and practice of strength training and physical conditioning. Current evidence will be presented for designing and optimizing aerobic exercise and anaerobic exercise programs, including cardiovascular training, resistance training, and functional exercise for strength, agility, balance and coordination. The impact of program design and periodization on physical performance will be explored. Injury prevention, including the use of warm up programs and stretching will also be covered. NOTE: This course is designed for students outside the Exercise and Movement Science major, and students may not receive credit for SCI 401 Fundamentals of Strength and Conditioning if they have or will receive credit for SCI 476: Principles of Strength and Conditioning I and/or SCI 477: Principles of Strength and Conditioning II.
Prerequisites: SCI 251, and (SCI 353 OR SCI 381).

SCI 402. Current Topics in Nutrition. 3 Credit Hours.
This course presents an overview of current topics in nutrition for health and disease. Students will review and critically evaluate a wide variety of topics in nutrition. Examples include emerging techniques to assess nutrient intake, advancements in food technology to improve nutrient quality and reduce environmental impact, and upcoming policy change that will impact our food environment. A major focus will be placed on nutritional interventions to prevent, reverse, or manage the most common chronic metabolic conditions including obesity, diabetes, and cardiovascular disease.
Prerequisites: SCI 354 or SCI 386
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 403. Innovations for Sustainable Futures. 3 Credit Hours.
As climate change alters ecosystems and impacts lives globally, immediate action is essential for a sustainable future. "Innovations for Sustainable Futures" takes an interdisciplinary approach to explore the climate crisis—its history, current challenges, and future projections. The course evaluates energy use, economic development, technological innovations, and lifestyle adaptations. Through readings and discussions, students will gain insights into the scientific, technical, and socio-economic factors that underpin renewable energy solutions. Engaging in debates and group projects, students will analyze climate data and develop creative, economically viable strategies for sustainable, ethical, and equitable responses. This course aims to inspire imaginative actions toward a low-carbon future.
Prerequisites: SCI 268, or SCI 269
Session Cycle: Every Fall.

SCI 455. Environmental Policy: Decision Making and Problem Solving. 3 Credit Hours.
This course will present an overview of environmental policy alternatives, emphasizing the interrelationship of science, business and government in policy formation and implementation. Global issues will be included, with special attention directed toward international efforts to achieve consensus on sustainable growth policies that encompass economic realities, technological innovation and a sensible legal and regulatory framework. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: SCI 251 or SCI 262 or SCI 265 or SCI 266 or SCI 351 or SCI 371 or SCI 372 or SCI 376 and junior standing; or permission of instructor
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 457. Environmental Toxicology and Risk Assessment. 3 Credit Hours.
The generation of hazardous wastes and our potential exposure to them is increasing; Lead in city water, mercury in fish, "boil water" advisories, PFAS, PCB's, PAH's, BPA and more. In this course, we will examine a variety of environmental hazards through case studies, see how they end up in human systems, and understand their effect on human health. It is designed for students who are interested in various aspects of hazardous substances and wastes, including regulation, treatment, remediation, biological effects, chemical phenomena, transport, source reduction, and research. Readings and discussions will be integrated throughout the course to reinforce lecture topics.
Prerequisites: 200-level science course
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI 463. Issues in Environmental Science. 3 Credit Hours.
This course provides an understanding of current environmental problems and a familiarity with innovative developments to solve them. Current issues from the following subject areas will be discussed: climate change, energy, land degradation, air and water quality, population growth, resource depletion, and wildlife management. Guest speakers will describe their work and provide insight on specific environmental issues and the future of the environmental science field. Students will research proposed solutions to various current environmental problems and evaluate their potential effectiveness. For qualified students, this course may be taken as a 500 level graduate content course. Permission of the instructor is required.
Prerequisites: 200-level science course
Session Cycle: Spring
Yearly Cycle: Alternate Years.

SCI 466. Global Health Challenges. 3 Credit Hours.
This course will explore the unique global health challenges we are facing today. As the world becomes increasingly globalized, the status of health worldwide has begun to decline. This course will present some of the complexities facing the global health community from a variety of perspectives. A brief history of global health will be given, with particular attention to environmental degradation, especially the correlation between these changes and adverse effects of health and disease transmission. Social issues including literacy and cultural values will also be discussed in relation to effects on health. Selected communicable diseases and zoonotic and emerging diseases will be highlighted, along with current efforts to stop the spread of these diseases within the global community. Selected epidemiological studies will be emphasized to ensure that students are able to comprehend and appraise research in this field. For qualified students, this course may be taken as a 500-level.
Prerequisites: One of the following courses: SCI 251, SCI 351, SCI 356, SCI 362 or SCI 377, and junior standing or permission of the instructor especially for 500 level graduate course content
Session Cycle: Fall
Yearly Cycle: Varies.

SCI 467. Management Principles in Fitness and Athletics. 3 Credit Hours.
This course will examine the administrative principles associated with development, maintenance and operation of a fitness or sports organization in the public or private sector. Organizational business structures, equipment, staffing, as well as ethical, legal and economic considerations will be explored. Factors related to emergency planning and response will also be presented. One business course and one marketing course at the 200-level or above are recommended before taking this course.
Prerequisites: Junior standing
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 470. Immunity and Disease. 3 Credit Hours.
This course will provide a broad introduction to the rapidly advancing study of immunity and disease. Starting with a survey of basic immunological principles, the course will explore the importance of the molecular and cellular factors involved in immune responses. Key methodologies used by immunologists and the practical applications of this research for the medical community will be discussed, causes of autoimmune disorders.
Prerequisites: SCI 251 or SCI 366 or SCI 377 or permission of instructor
Session Cycle: Fall
Yearly Cycle: Varies.

SCI 472. AI and Technology in Wellness and Performance. 3 Credit Hours.
This course explores the intersection of artificial intelligence (AI), machine learning (ML), and emerging technologies in the domains of human wellness, physical fitness, and performance. Students will examine how data-driven tools are transforming healthcare, athletic training, rehabilitation, and human movement analysis. Through case studies, hands-on projects, and interdisciplinary collaboration, students will learn to critically evaluate and apply AI and technology in real-world scenarios relevant to future careers in healthcare, coaching, and performance science.
Prerequisites: SCI 352/L352 and (SCI 353 or SCI 381/L381), and (SCI 401/L401 or SCI 477/L477)
Session Cycle: Every Spring.

SCI 476. Principles of Strength and Conditioning I. 3 Credit Hours.
This course will review the scientific principles behind designing safe and effective aerobic exercise and resistance training programs. Strengthening with free weights, machine training, and Olympic style lifting will be covered. Methods for integrating warm up activities, designing stretching programs, and for optimizing physical performance through program design and periodization will be explored. An overview of the physiologic principles that govern tissue injury and healing, and introduction of the basic tenants of injury prevention will also be provided.
Prerequisites: SCI 251/L Biology I (with lab), SCI 360 Anatomy & Physiology I (with lab), SCI 380 Anatomy & Physiology II (with lab), SCI 352 Exercise Physiology, SCI 387 Functional Musculoskeletal Anatomy, SCI 381 Human Kinesiology (with lab)
Corequisites: SCI L476: Principles of Strength and Conditioning I Lab
Session Cycle: Spring
Yearly Cycle: Annual.

SCI 477. Principles of Strength and Conditioning II. 3 Credit Hours.
This course will review the scientific principles behind designing safe and effective anaerobic exercise and functional strengthening programs. The use of balance, core stabilization, coordination, agility, and plyometric activities will be explored, as well as nontraditional techniques such as blood flow restriction training. Application of rehabilitation and reconditioning principles after musculoskeletal injury and concussion will be introduced. In addition, exercise considerations for special populations such as children, older adults and the female athlete will be discussed.
Prerequisites: SCI 251 Biology I (with lab),SCI 360 Anatomy & Physiology I (with lab), SCI 380 Anatomy & Physiology II (with lab), SCI 352 Exercise Physiology, SCI 387 Functional Musculoskeletal Anatomy, SCI 381 Human Kinesiology (with lab) & SCI 476 Principles of Strength and Conditioning I (with lab)
Corequisites: SCI L477: Principles of Strength and Conditioning II Lab
Session Cycle: Fall
Yearly Cycle: Annual.

SCI 488. Field Experience II. 3 Credit Hours.
This course is the second and final field experience in the Exercise and Movement Science program. During this field experience students spend 150 hours in an exercise science/wellness setting that meets Bryant University's Exercise and Movement Science program requirements. This field experience provides students with the opportunity to gain real-world experience and to apply scientific and ethical principles learned in the classroom in an authentic environment. With guidance from their faculty and field experience supervisor, students also complete a research-based project related to exercise science.
Prerequisites: SCI 388: Field Experience I
Session Cycle: Every Spring Semester.

SCI 490. Research Directed Study in Science. 3 Credit Hours.
This course is designed to refine the research interests of departmental majors, and to gain additional hands-on research skills, including experimental design, methodology, and exposure to technology and instrumentation appropriate for a more extensive research project. Direct interaction of faculty and students will be required, and students will be matched with a faculty member most closely aligned with his/her research interests. The end product of this study will be a scientific paper describing a literature search, precise methodology, data analysis, and discussion of the research. An oral presentation of the research results will be expected, and the paper will be evaluated for publication in an appropriate journal.
Prerequisites: SCI 390 and senior standing or permission of the department chair.

SCI 497. Directed Study in Science. 3 Credit Hours.
This course is tailored to fit the unique interests of a student interested in science. Faculty and student will design a program for the study of complex issues of science and/or technology, including technical applications of scientific methodology and basic applied research into existing scientific problems, including regular meetings throughout the semester. The end product of this study would be a paper describing the results of the investigation, including methodology and data that have been generated, or the equivalent.
Prerequisites: approval of supervising faculty member and department chair.

SCI HS300. Honors Special Topics in Science Application of Brain Science. 3 Credit Hours.
The human brain is very good at recognizing patterns. We are able to learn new faces and languages, and are able to work in complex environments easily. Brain models have been able to capture some of these features, and are continually giving us a better understanding of the workings of the brain. In this course we look at applications of these models on non-biological problems. For example, Google uses brain modeling techniques in some of its data analysis, and neural networks are used in automobiles and factories. Netflix has an ongoing contest to improve their ratings system, the winners of previous contests have used models inspired from the brain. This course will explore these, and other, applications of these models in data analysis problems in finance, marketing, science, economics, and other fields.
Prerequisites: Honors Program and 200-level science course.

SCI L251. Biology I Laboratory. 1 Credit Hour.
This laboratory course is intended to complement the General Biology lecture course. Familiarity with a variety of organisms, techniques, and concepts is obtained through a direct, hands-on approach.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course and will also fulfill the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L253. Biology II Laboratory. 1 Credit Hour.
This course is intended as a higher level biology laboratory course, and will be essential for students intending to pursue advanced graduate or professional training in biomedical fields. Building on the foundations of biological science covered in General Biology – SCI 251 and Biology II – SCI 253, this laboratory course will use evolutionary theory as an organizing theme to explore biodiversity, animal and plant biology, human anatomy and physiology, immunology, hormone regulation, and vaccine development .
Pre/Corequisites: this course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Prerequisites: SCI 251 and SCI L251
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L262. Physical Geology Laboratory. 1 Credit Hour.
This laboratory course complements Physical Geology. Familiarity with minerals, igneous, sedimentary, and metamorphic rocks will be gained through hands-on activities. Other exercises include plotting of earthquake epicenters and map reading.
Pre/Corequisites: this course many only be taken concurrently with the lecture course or in a subsequent semester to the lecture course and fulfills the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L264. Physics I Laboratory. 1 Credit Hour.
This laboratory course is designed to provide a better understanding of the physical principles studies in the lecture course. The work done here provides an opportunity to become familiar with the scientific methods of making experimental measurements and evaluating the results of these measurements.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Annual.

SCI L265. Introductory Chemistry I Laboratory. 1 Credit Hour.
Laboratory experimentation is the foundation of the science of chemistry. The "hands-on" experiments performed in this course will illustrate the principles, theories, and laws discussed in the lecture portion of the course.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Annual.

SCI L267. Introductory Chemistry II Laboratory. 1 Credit Hour.
This course completes a two (2) semester introductory chemistry sequence (lecture plus lab), and will enhance a student's preparation for further study in the environmental and life sciences at Bryant. Recommended for Science and Technology majors/concentrators, and who plan to enter an industry or field of study where a general knowledge of chemistry is essential, such as the health professions (medical, pharmaceutical, dental) and graduate school in the biological sciences. This laboratory course will present practical applications of inorganic chemistry, thermodynamics, kinetics, and spectroscopy, and will coincide with the Chemistry II lecture.
Pre/Corequisites: This course may be only taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L269. Climate Change Laboratory. 1 Credit Hour.
This laboratory course complements the “SCI 269 Climate Change - Causes, Impacts, and Solutions” lecture course. This course will cover topics including weather and climate, natural and human-induced causes of climate change, major impacts of climate change, and possible solutions for climate change mitigation and adaptation. Methods of ancient climate change reconstruction and future climate prediction will be included, providing students a hands-on and experiential learning opportunity to acquire climate change related knowledge.
Pre/Corequisites: SCI 269
Session Cycle: Every Fall and Spring.

SCI L274. Physics II Laboratory. 1 Credit Hour.
This laboratory course consists of a series of exercises and term projects designed to give the student a quantitative understanding of experimental biological physics. The course follows Socratic methodology wherever possible to allow the students to gain a strong intuition even for concepts that are challenging. Data analysis techniques will be covered, as well as the use of technology in the gathering and interpretation of issues related to biological physics.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; and fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Alternate Years.

SCI L351. Ecology Laboratory. 1 Credit Hour.
This laboratory complements the Ecology: Theory and Applications lecture course. Ecosystem dynamics, including assessment of biotic and abiotic components, population growth patterns, species diversity and perturbation responses will be emphasized. Techniques and equipment commonly employed by professional ecologists will be stressed, using field studies, laboratory investigations, computer simulation, lab demonstrations, and site visits.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L352. Exercise Physiology Laboratory. 1 Credit Hour.
This laboratory course complements and reinforces the content in the Exercise Physiology lecture course. Students will have the opportunity to perform basic laboratory tests and measurements commonly used in human exercise physiology studies including but not limited to heart rate, blood pressure, EMG, VO2, and blood lactate levels. Emphasis will be placed on interpretation of data, and application of knowledge in real-world scenarios related to exercise physiology.
Pre/Corequisites: SCI 352
Prerequisites: SCI 251.

SCI L355. Energy Strategies for a Sustainable World Lab. 1 Credit Hour.
This laboratory course complements the Energy Strategies for a Sustainable World lecture course. Familiarity with a variety of non-renewable and renewable resources will be gained through hands-on activities. Exercises include evaluation of fossil fuel efficiency, computer simulations of resource allocation, and the design of a solar house.
Pre/Corequisites: SCI 355
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

SCI L356. Biotechnology Laboratory. 1 Credit Hour.
This laboratory course will provide a hands-on approach to examine topics such as genes and genomes, genetic manipulation, microbial biotechnology, plant and animal biotechnology, forensics, medical and environmental biotechnology to accompany the material covered in the Introduction to Biotechnology course. Students will gain a greater knowledge of the techniques currently used researchers in the biotech field.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement
Session Cycle: Fall, Spring
Yearly Cycle: Varies.

SCI L360. Anatomy and Physiology Laboratory I. 1 Credit Hour.
This laboratory component of Anatomy and Physiology I course will enable students to become familiar with anatomical structures at their own pace, using a hands-on approach. The laboratory exercises will include studies of 3-dimensional models and prepared slides, dissections of isolated organ systems, and observation of a virtual cadaver dissection, which will enable students to examine detailed structural features of key organs and systems, and better appreciate how the various body systems integrate. This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course. This course fulfills the laboratory science requirement
Session Cycle: Fall
Yearly Cycle: Annual.

SCI L363. Genetics Laboratory. 1 Credit Hour.
This laboratory course accompanies the Genetics lecture course which is intended to provide the fundamental basics of inheritance as well as to integrate modern uses of genetics in biotechnology and genomics. Topics will include basic inheritance patterns, reproduction, chromosomal replication, and the role of genetics in the development of various diseases. Students will be able to track inheritance patterns to determine risk of the occurrence of disease using hands-on techniques such as genetic karyotyping, generation of Punnett squares and DNA fingerprinting analyses.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI L365. Organic Chemistry I Laboratory. 1 Credit Hour.
This laboratory course will accompany the Organic Chemistry lecture course. Laboratory activities are based primarily on the study of carbon-containing compounds. Students will be given the opportunity to carry out reactions covered in the lecture course. In addition, the basic techniques required for performing organic chemistry research will also be learned, utilizing state of the art equipment, and the importance of organic chemistry to biology and environmental science will be emphasized.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI L367. Biochemistry Lab. 1 Credit Hour.
This inquiry-based laboratory course explores the molecular foundations of protein structure, function, and evolution through hands-on experimentation and hypothesis-driven research. Cross-listed to support Biochemistry and Cell Biology and Molecular Genetics lectures, it introduces students to advanced molecular biology techniques, such as recombinant DNA technology, site-directed mutagenesis, protein purification, and molecular graphics software for structural analysis. Students will engineer and characterize novel proteins (meaning results are not predetermined), gaining experience in experimental design, data interpretation, and scientific communication. Emphasis is placed on understanding the relationship between genetic information and protein properties, with applications in personalized medicine, biotechnology, and ethical decision-making. This lab prepares students for research-intensive and clinical environments, fostering skills and mindset essential for graduate study and professional practice. Students will evaluate their results in relation to other groups and present findings both orally in a poster presentation and in a written report at the end of the semester.
Pre/Corequisites: SCI 367 or SCI 382
Session Cycle: Every Spring Semester.

SCI L371. Human Impact on the Global Environment Lab. 1 Credit Hour.
This advanced laboratory course investigates a number of environmental topics pertaining to land and life. Interactive activities and experiments convey basic concepts of data collection, experimental design, analytical instrumentation, data analysis and interpretation, and risk assessment. These laboratory exercises also provide the necessary laboratory skills and techniques to conduct scientific research.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L373. Artificial Intelligence and Robotics Laboratory. 1 Credit Hour.
SCI L373 is the laboratory portion of artificial intelligence and robotics. This lab must be taken concurrently with the lecture portion.
Session Cycle: Fall
Yearly Cycle: Alternate Years.

SCI L374. Organic Chemistry II Laboratory. 1 Credit Hour.
This laboratory course is the second in a two-semester organic chemistry progression. This course will use a self-directed curriculum to teach and reinforce topics and concepts in organic chemistry and build critical thinking skills. This course will employ microwave assisted organic synthesis, collaborative experimental design, analysis and debriefing of results. This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement.
Prerequisites: SCI L365
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L377. Microbiology Laboratory. 1 Credit Hour.
This laboratory course accompanies the Microbiology lecture course, which examines life at the microscopic level and is designed to provide an understanding of microbiology and its connectedness to the environment, medicine, agriculture, and industry. Topics will include exploration of the world of bacteria, viruses, protista, and fungi, preservation and safety; the role of microbes in biotechnology, industry, and agriculture, antibiotic resistance, viral and bacterial diseases of humans, and the use of microbes or microbial products in bioterrorism.
Pre/Corequisites: this course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course; fulfills the laboratory requirement
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L379. Emergency Medical Technician I Skills Lab. 1 Credit Hour.
This lab is part one of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include CPR training, the use of protective equipment, medical documentation, medical and trauma assessment, lifting and moving, airway techniques, medication administration, management of bleeding, and splinting.
Prerequisites: SCI 251 Corequisite: SCI 379
Session Cycle: Alternative Fall Semesters.

SCI L380. Anatomy and Physiology Lab II. 1 Credit Hour.
This laboratory component of Anatomy and Physiology II course will serve as a continuance of Anatomy and Physiology I Lab, which will enable students to study in more depth the various human body systems. The laboratory exercises will include studies of 3-dimensional models and prepared slides, dissections of isolated organ systems, and observation of a virtual cadaver dissection, which will enable students to examine detailed structural features of key organs and systems, and better appreciate how the various body systems integrate.
Pre/Corequisites: This course may only be taken concurrently with the lecture course or in a subsequent semester to the lecture course: fulfills the laboratory requirement. Sophomore standing required
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L381. Kinesiology Lab. 1 Credit Hour.
This laboratory course is intended to complement the Human Kinesiology lecture course. Goniometric measurements of the major extremity joints and the spine will be performed. Functional analysis of muscle stretching, as well as activation of muscles during concentric and eccentric challenges will be completed. Students will explore the biomechanical forces on the joints during common exercises and explore how changing body position alters the level of resistance that is encountered. An analysis of the mechanics of human gait will also be performed.
Prerequisites: SCI 360 Anatomy and Physiology I (with lab) & SCI 387 Functional Musculoskeletal Anatomy
Corequisites: SCI 381 Human Kinesiology
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L382. Cell Biology and Molecular Genetics Lab. 1 Credit Hour.
This inquiry-based laboratory course explores the molecular foundations of protein structure, function, and evolution through hands-on experimentation and hypothesis-driven research. Cross-listed to support Biochemistry and Cell Biology and Molecular Genetics lectures, it introduces students to advanced molecular biology techniques, such as recombinant DNA technology, site-directed mutagenesis, protein purification, and molecular graphics software for structural analysis. Students will engineer and characterize novel proteins (meaning results are not predetermined), gaining experience in experimental design, data interpretation, and scientific communication. Emphasis is placed on understanding the relationship between genetic information and protein properties, with applications in personalized medicine, biotechnology, and ethical decision-making. This lab prepares students for research-intensive and clinical environments, fostering skills and mindset essential for graduate study and professional practice. Students will evaluate their results in relation to other groups and present findings both orally in a poster presentation and in a written report at the end of the semester.
Pre/Corequisites: SCI 367 or SCI 382
Session Cycle: Every Spring Semester.

SCI L384. Emergency Medical Technician II Skills Lab. 1 Credit Hour.
This lab is part two of a two-part series that will prepare students to take the National Registry examination for Emergency Medical Technicians (EMT). Students will learn the basic life support skills needed to stabilize and safely transport sick or injured patients who have accessed the emergency medical services (EMS) system. Specific skills covered in this class include medication administration, management of trauma injuries and medical emergencies, lifting and moving, childbirth and pediatrics, management of mass casualty incidents, and well as other special scenarios.
Prerequisites: SCI 379, SCI L379 Corequisites: SCI 384
Session Cycle: Alternate Spring Semesters.

SCI L401. Fundamentals of Strength and Conditioning Laboratory. 1 Credit Hour.
This laboratory course complements the Fundamentals of Strength and Conditioning lecture course. Students will engage in hands-on experiences with exercise equipment while designing and implementing aerobic and anaerobic exercise programs, including cardiovascular training, resistance training using free weights and machines, as well as functional exercise for strength, agility, balance and coordination. Warm up programs and stretching will also be covered. NOTE: This course is designed for students outside the Exercise and Movement Science major, and students may not receive credit for SCI L401 Fundamentals of Strength and Conditioning Lab if they have or will receive credit for SCI L476: Principles of Strength and Conditioning I Lab and/or SCI L477: Principles of Strength and Conditioning II Lab.
Pre/Corequisites: SCI 401
Prerequisites: SCI 251, and (SCI 353 or SCI 381).

SCI L476. Principles of Strength and Conditioning I Lab. 1 Credit Hour.
This laboratory course is intended to complement the Principles of Strength and Conditioning I lecture course. Laboratory sessions will provide the opportunity for students to practice designing stretching, resistance training, and aerobic exercise programs, while implementing the principle of periodization. Students will learn to apply progressions and regressions at the appropriate times, and to optimize athletic performance through manipulation of the program design.
Prerequisites: SCI 251 Biology I (with lab), SCI 360 Anatomy & Physiology I (with lab), SCI 380 Anatomy & Physiology II (with lab),SCI 352 Exercise Physiology, SCI 387 Functional Musculoskeletal Anatomy & SCI 381 Human Kinesiology (with lab)
Corequisites: SCI 476: Principles of Strength and Conditioning I
Session Cycle: Spring
Yearly Cycle: Annual.

SCI L477. Principles of Strength and Conditioning II Lab. 1 Credit Hour.
This laboratory course is intended to complement the Principles of Strength and Conditioning II lecture course. Laboratory sessions will provide the opportunity for students to practice designing anaerobic, as well as functional strengthening and conditioning programs, with integration of balance, core stabilization, coordination, agility, and plyometric activities. There will also be an opportunity to experience blood flow restriction training and other nontraditional techniques. Students will learn to apply progressions and regressions at the appropriate times, and to optimize athletic performance through manipulation of the program design.
Prerequisites: SCI 251, SCI L251,SCI 352, SCI 360, SCI L360, SCI 380, SCI L380, SCI 387, SCI 381, SCI L381, SCI 476 & SCI L476
Corequisites: SCI 477: Principles of Strength and Conditioning II
Session Cycle: Fall
Yearly Cycle: Annual.

SCI R265. Introductory Chemistry I Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 265: Introductory Chemistry I lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 265: Introductory Chemistry I
Session Cycle: Every Fall.

SCI R267. Introductory Chemistry II Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 267: Introductory Chemistry II lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 267: Introductory Chemistry II
Session Cycle: Every Spring.

SCI R365. Organic Chemistry I Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 365: Organic Chemistry I lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 365: Organic Chemistry I
Session Cycle: Every Fall.

SCI R374. Organic Chemistry II Recitation. 0 Credit Hours.
This zero-credit recitation complements the SCI 374: Organic Chemistry II lecture course. Students will engage in instructor-led practice problems to enhance their understanding of chemistry concepts covered in lectures. Attendance at recitation is a mandatory part of successfully completing the lecture course.
Corequisites: SCI 374: Organic Chemistry II
Session Cycle: Every Spring.

Sociology and Anthropology(SOAN)

Courses

SOAN 242. Principles of Anthropology. 3 Credit Hours.
This course studies the consequences of globalization for human beings as they come to understand and value themselves, their relations to others, and their "place in the world." Students discuss a number of challenges to traditional concepts of "culture" important to understanding an anthropological approach to the concept of globalization. The course approaches "globalization," the movement of information, goods, services, capital and people throughout the global space, from a variety of perspectives, including discussion of global migration and diaspora and consideration of the globalization of media.
Session Cycle: Every Semester.

SOAN 243. Honors: The Anthropology of Globalization. 3 Credit Hours.
In this course, students interpret global transformations through studying anthropological texts and films that provide in-depth analysis of local-level instances of globalization. These ethnographic studies allow students to improve their specific knowledge of people and places throughout the world and also to develop more theoretically rigorous approaches toward explaining what is meant by the term globalization. To this end, students examine, among other themes, ethnicity to better comprehend issues of power, resources, and land in conflict situations; the movement of textiles to recognize post-Fordist social and economic practices; human trafficking to conceptualize commodification of the human body; and refugee migrations to understand transnationalism. In short, this course offers micro-level case studies, methods, and approaches toward learning about and explaining broad social and cultural processes.
Prerequisites: Honors Program
Session Cycle: Every Fall Semester.

SOAN 251. Principles of Sociology. 3 Credit Hours.
In this foundational course, students explore the major aspects of sociology as a discipline, such as classic and contemporary theories, research principles and methods, culture, and socialization. Through real-world examples and activities, students come face-to-face with pressing social issues, including various forms of inequality, and the challenges facing modern social institutions. Students will leave this course with a deeper understanding of, and appreciation for, how humans come together to form the structures and groups that shape day-to-day life.
Session Cycle: Every Semester.

SOAN 253. Honors Sociology. 3 Credit Hours.
This course is a more advanced introduction to sociology, students explore the major aspects of sociology as a discipline, such as classic and contemporary theories, research principles and methods, culture, and socialization. Through real-world examples and activities, students come face-to-face with pressing social issues, including various forms of inequality and the challenges facing modern social institutions. Students will leave this course with a deeper understanding of, and appreciation for, how humans come together to form the structures and groups that shape day-to-day life.
Prerequisites: Honors Program
Session Cycle: Every Spring Semester.

SOAN 301. From Asylums to Zoloft: The Sociology of Mental Health. 3 Credit Hours.
We often think of mental health and illness as personal experiences that affect an individual and require individual resolution (e.g., therapy, medication, etc.). However, there are social dimensions to mental health that warrant exploration as well, such as: How have definitions and treatments of mental illness changed over time and across cultures? How do sociodemographic differences (e.g., gender, race, socioeconomic status) inform how people experience mental healthcare, both historically and in modern times? What effects do recent events and trends, like COVID-19 and social media use, have on people's mental wellbeing? To begin addressing these and other sociological questions, students will review of-the-moment research, engage in critical discussions, and reflect on their own views regarding mental health; participation in this course will culminate with an experiential "deep dive" into a current mental health-related issue.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Varies.

SOAN 302. Global Perspectives on Community Development. 3 Credit Hours.
The Sustainable Development Goals (SDGs) are just one example in a long history of global collaboration aimed to improve the lives of the world's most marginalized communities. This course examines this global development project from an anthropological, people-centered lens. It focuses on three aspects of the project. First, it evaluates the achievements and shortcomings of the project from the perspectives of the everyday people they are intended to serve. Second, it examines how everyday people have challenged and redefined development. And third, it examines models for working in partnership and solidarity with people as they seek to improve their lives.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253 or ECO 367 or by permission
Session Cycle: Every Fall Semester.

SOAN 303. Global Policy Challenges. 3 Credit Hours.
This course explores contemporary global policy issues—such as inequality, migration, public health, and climate justice—through anthropological and sociological lenses, emphasizing how local experiences and cultural contexts shape and are shaped by global forces. For six weeks during the semester, students study case studies, ethnographies, and theoretical frameworks to understand global issues within a specific country. The course culminates in a faculty-led study abroad experience.
Prerequisites: Sophomore Standing
Session Cycle: Every Spring Semester.

SOAN 351. Social Problems Social Solutions. 3 Credit Hours.
An exploration of major contemporary social problems, examining the key explanations for them. These explanations are used to assess the likely success of current and proposed social solutions. Key problems studied include inequalities linked to race, ethnicity, gender, immigration status, education, age, and criminal justice—as well as overpopulation and environmental degradation. U.S. problems and their possible solutions are illuminated with cross national comparisons.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 355. Social Determinants of Health. 3 Credit Hours.
Social Determinants of Health (SDOH) are conditions, forces, and systems that influence health outcomes. Structural determinants include economic and social policies that impact food security and early childhood development; governing processes that influence the funding and support for equitable education and fair housing; legal policies that shape access to medical resources and safe working conditions; and forms of discrimination that unjustly favor some populations over others. In this course, we examine SDOH in different global contexts and draw on the field of medical anthropology to explore policies and approaches to solving public health issues. During the semester, we learn broadly about human behavior and health through drawing on an interdisciplinary source of readings, films, and ethnographies. Students work on both comprehending the sources of health problems and designing solutions that can foster more equitable health outcomes.
Session Cycle: Every Spring Semester.

SOAN 356. Sociology of Family. 3 Credit Hours.
The central goal of this course is to lead students to a deeper understanding of the ways in which American families are changing. Through an examination of the family in sociological and historical perspectives, students gain insight into the mythology of the "traditional American family" and its formation. We discuss the diversity of current family forms and the ways in which the family is tied into the larger structure of society. The course also examines hooking up, partnering, parenting, the division of household labor, and divorce.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Fall Semester.

SOAN 360. Sociology of Sport. 3 Credit Hours.
This course provides an overview of the discipline of sociology of sport. The course focuses on the global aspects of sport, with an emphasis on the relationship between sport and race, class, gender, sexual orientation, and national identity. It provides students with the theories, concepts and perspectives that allow them to better understand the relationships between sport, society and culture.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, or SOAN 253
Session Cycle: Every Spring Semester.

SOAN 370. Crime and Justice. 3 Credit Hours.
This course applies sociological theory and research to the study of crime and justice. Students engage in policy discussions and projects focused on the philosophy and practice of how societies address major issues of crime and justice (e.g., in education, immigration, drug control, and other areas). Students will learn not only about the criminal justice system but also about the role that multiple social institutions - like family, the market, social media, etc. - play in a sociology of crime and justice.
Prerequisites: One of SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Fall Semester.

SOAN 389. Fieldwork in Local Communities. 3 Credit Hours.
This course introduces students to mixed methods research through a hands-on, fieldwork-centered approach. Students learn to design and carry out projects that integrate qualitative techniques—such as interviews, participant observation, focus groups, and qualitative coding—with quantitative tools including descriptive statistics, regression analysis, and data visualization. The course emphasizes how combining ethnographic insights with numerical data produces more comprehensive understandings of culture, everyday life, and broader social patterns. Particular emphasis is placed on conducting research in collaboration with communities and ensuring that projects are responsive to community perspectives and priorities. By the end of the course, students are equipped with the skills and confidence to conduct research that is both methodologically rigorous and meaningfully engaged with the communities they study.

SOAN 390. Exploring Culture through Photographs, Maps, and Media. 3 Credit Hours.
This course introduces students to visual anthropology, focusing on the use of visual media to study and represent culture, society, and human behavior. Students will explore research methods such as photovoice, auto-photography, photoelicitation, photojournalism, and GIS mapping. Through hands-on assignments and weekly readings, they will learn to document, analyze, and communicate anthropological insights using visual data. The course also addresses the ethical challenges of using visual media in research, with attention to issues of representation, authenticity, and manipulation, including the use of AI-generated images and deepfakes. Students will develop the ability to critically assess visual content and apply visual methods to complex social and cultural problems.
Prerequisites: Sophomore Standing
Session Cycle: Alternate Spring Semesters.

SOAN 401. Health and Wellbeing in Global Perspective. 3 Credit Hours.
What does it mean to be "healthy" in a world shaped by social media, stress, unequal access to care, and global health crises? This course explores health and wellbeing beyond medicine, examining how culture, history, politics, and biology shape wellness, illness, and care. Drawing on anthropology and public health, students investigate how physical health, social connection, meaningful work, caregiving, and spiritual beliefs influence wellbeing across childhood, adulthood, and later life. Through ethnographic research, historical case studies, and public health research, students trace changing approaches to healing—from traditional medical practices to contemporary debates about mental health, chronic illness, and global health interventions—highlighting the ways health and wellbeing matter in everyday life and across societies.
Prerequisites: ANTH242, ANTH243, SOC251, SOC253, SOAN242, SOAN243, SOAN251, or SOAN253 and Sophomore Standing
Session Cycle: Alternate Fall Semesters.

SOAN 451. From the Cradle to the Grave: Society and Population Health. 3 Credit Hours.
What exactly is a "population?" How do we tell how a "population" is faring? What kinds of challenges do modern "populations" face? In this course, we will begin to answer these questions as we investigate human groups, particularly the U.S. population. Using key metrics and concepts from demography to build a foundation for inquiry, this course then explores in depth three factors popularly used to gauge population health: fertility, morbidity, and mortality. Through examining rigorous academic research and real-world journalism, students will confront and consider issues related to childbirth, including the politicization of pregnancy and the challenges of family life; sickness, including modern threats to human health (e.g., the opioid epidemic, COVID-19 pandemic, etc.); and death, including both causes and cultural anxieties about end-of-life and what comes next.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 452. Jobs, Gigs, and Hustles: The Sociology of Work. 3 Credit Hours.
From Uber drivers to TikTok creators, from freelance coders to AI-powered customer service bots-work today looks nothing like it did a generation ago. This course explores how technology, algorithms, and family life are reshaping labor, identity, and inequality. Students will examine the rise of gig work, the impact of artificial intelligence on employment, and the social consequences of working without traditional protections or permanence. In this course we'll ask: What does it mean to "have a job" in the 21st century? Who benefits-and who gets left behind?.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Alternate Spring Semesters.

SOAN 453. Race and Ethnicity. 3 Credit Hours.
This course examines and uses theories to understand the treatment and life chances of racial and ethnic subpopulations, with an emphasis on U.S. society. Students explore the many ways stereotypes, prejudice, racism, and privilege become part of our everyday interaction and reinforce institutional discrimination.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Spring Semester.

SOAN 454. Social Theory: The Study of Isms and Phobias. 3 Credit Hours.
This seminar is first and foremost a study of classical and contemporary social theory. It also examines the ways in which a variety of these theories, both classical and contemporary, view and explain social inequalities. More specifically, we will use theories, theorists, and concepts from theories to help us better understand "isms and phobias" including racism, sexism, classism, heterosexism, homophobia, transphobia, ethnocentrism and xenophobia.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253
Session Cycle: Every Fall Semester.

SOAN 455. Urban Realities: Exploring the City Through Sociology. 3 Credit Hours.
This course invites students to critically explore the urban landscape through the dual lenses of sociological theory and immersive experience. Blending traditional fieldwork with cutting-edge virtual reality (VR) technology, students will investigate how cities shape — and are shaped by — social forces such as protest, gentrification, street art, and identity. This is a hands-on, course designed for students who want to move beyond the classroom and into the city — both physically and virtually — to understand the complex dynamics of urban life.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 456. The Human Spark: How Innovation and Creativity Shape Society. 3 Credit Hours.
This course takes a sociological perspective on creativity and innovation exploring the sociological context of each. Combining readings and lectures, class activities and a community engaged project, students will learn about the social context of creativity and innovation, and they will also understand more deeply their own creative processes and strengthen these processes.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

SOAN 491. Sociology and Anthropology Capstone. 3 Credit Hours.
Designed for student majoring in Sociology and Anthropology, this senior-level capstone seminar asks students to explore, either as an individual directed-study or as part of a weekly seminar, some aspect of an important social issue as it relates to the operation of a social institution.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253 and Junior standing
Session Cycle: Every Spring Semester.

SOAN 497. Directed Study in Sociology and Anthropology. 3 Credit Hours.
This course is an opportunity for students to do independent, in-depth study or research for academic credit. The student works on an individual basis under the direction of a member of the sociology faculty. The main requirement of the course is the development of a substantial paper or project.
Prerequisites: One from SOAN 242, SOAN 243, SOAN 251, SOAN 253.

Sports Studies (SPS)

Courses

SPS 491. Sport Studies Senior Capstone Seminar. 3 Credit Hours.
The Sport Studies Capstone Seminar requires that students collaborate in the inter-disciplinary study of sport, integrating ideas about sport studies across a variety of disciplines. The collaboration and connections across disciplines will lead students to a deeper understanding of the role and place of sport in society. This course is unusual and innovative: sport studies students will complete a capstone project but work within a specific discipline, requiring students to share and develop connections across disciplines and between experiences and academic content.
Prerequisites: Senior standing
Session Cycle: Spring
Yearly Cycle: Annual.

Transfer Transitions (TTR)

Courses

TTR 101. Transfer Transitions 101. 1 Credit Hour.
This course is designed to help transfer students become engaged members of the Bryant University academic community. The course encourages students to claim their education through a focus on the process of learning how to learn and cultivating the habits of mind for lifelong achievement and success. By linking critical and creative thinking with writing, discussion, and group work, students will be challenged to develop the cognitive, affective, and behavioral skills that will enable them to achieve success at Bryant and in their chosen professions.
Session Cycle: Fall, Spring
Yearly Cycle: Annual.

Women,Gender, and Sexuality St (WGS)

Courses

WGS 250. Women, Gender, and Sexuality Studies. 3 Credit Hours.
This course takes an interdisciplinary approach to understanding how gender and sexuality shape our world. The course explores the origin and evolution of women's studies, the shift to questions concerning the social construction of gender, and the emergence of scholarly investigations of sexual identities. Students will interrogate various conceptions of gender and sexuality and explore how these conceptions might reinforce or disrupt social structures. The primary goals of this course are to encourage students to think critically about how dominant discourses of gender and sexuality have shaped the lives of both women and men. This course is cross-listed with LCS 250.
Session Cycle: Fall
Yearly Cycle: Annual.

WGS 471. Sex, Love and Social Media. 3 Credit Hours.
Through an interdisciplinary lens (philosophy, literature, economic theory, gender and sexuality theory), this course critically examines the effects of social media and global capitalism on friendship and intimacy. It asks: what model of friendship is currently culturally dominant? Is friendship merely another commodity useful in augmenting one's "human capital," or do traditional models of friendship still have relevance? Given the important role social media play in movements for social justice, what new avenues for creative cooperation and intimacy become available through social media? We will seek answers to these questions through philosophical, literary, and historical analyses of friendship and intimacy, paying close attention to non-normative, one might say "queer" relationship practices through the ages. This is cross-listed with LCS 471.

Prerequisites: Sophomore Standing
Session Cycle: Fall
Yearly Cycle: Annual.

WGS 490. Women, Gender, and Sexuality Studies Seminar. 3 Credit Hours.
In this course students engage in independent and in-depth study of a specific topic in Women, Gender, and Sexuality Studies under the supervision of a WGS faculty member. Students will complete a substantial paper or project.
Prerequisites: WGS 250 and Junior/Senior standing and supervising faculty approval and program coordinator approval.

WGS 491. Women, Gender, and Sexuality Studies Internship. 3 Credit Hours.
Students engage in individually supervised field placements that are relevant to the study of Women, Gender, and Sexuality Studies (e.g., gay youth advocacy organization or battered women's shelter). Students must work at least ten hours per week at the placement and meet regularly with a supervising WGS faculty member. In addition, in-depth written work that integrates theory and practice is required.
Prerequisites: WGS 250, Junior standing and supervising faculty approval and program coordinator approval.

WGS 497. Directed Study in Women, Gender, and Sexuality Studies. 3 Credit Hours.
With coordinator approval, a student may pursue their interest in a Women, Gender, and Sexuality studies related topic through a directed study with a professor who teaches WGSS designated courses. Junior standing is required.
Prerequisites: WGS 250 or LCS 250 and junior standing.

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