

BACHELOR OF SCIENCE WITH A MAJOR IN BIOLOGY

Bachelor of Science with a Biology Major Curriculum Requirements

First-Year Gateway Experience

GFCL 100	Global Foundations of Character and Leadership
GFOB 100G	Global Foundations of Organizations and Business
WRIT 106	Writing Workshop
IDEA 101	Bryant IDEA: Innovation and Design Experience For All

Biology Degree Core Requirements

SCI 251 & SCI L251	Biology I Principles of Biology and Biology I Laboratory
SCI 253 & SCI L253	Biology II Organismal Biology and Biology II Laboratory
SCI 264 & SCI L264	Physics I Introductory Physics and Physics I Laboratory
SCI 265 & SCI L265	Chemistry I Introductory Chemistry and Chemistry I Laboratory
SCI 267 & SCI L267	Introductory Chemistry II Chemical Systems and Chemistry II Laboratory

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
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Choose 4 of the following courses plus one lab, at least one course must be at the 400-level

SCI 350	Biological Imaging
SCI 351 & SCI L351	Ecology and Ecology Laboratory
SCI 352	Exercise Physiology
SCI 354	Nutrition
SCI 356	Introduction to Biotechnology
SCI 360 & SCI L360	Anatomy and Physiology I and Anatomy and Physiology Laboratory I (*)
SCI 362	Nobel Prize in Biological Sciences
SCI 363 & SCI L363	Genetics and Genetics Laboratory
SCI 364	Plant Biology
SCI 366	Coastal Environments
SCI 367	Biochemistry
SCI 368	Elements of Forensic Science
SCI 374 & SCI L374	Organic Chemistry II and Organic Chemistry II Laboratory
SCI 377 & SCI L377	Microbiology and Microbiology Laboratory
SCI 378	Computer Programming for the Sciences
SCI 379	Emergency Medical Technician [EMT] Basic
SCI 380 & SCI L380	Anatomy and Physiology II and Anatomy and Physiology Lab II (*)

SCI 387	Functional Musculoskeletal Anatomy
SCI 390	Research Methods in Science
SCI 457	Environmental Toxicology and Risk Assessment
SCI 461	Issues in Biological Science
SCI 462	Plant Diversity in Ancient and Modern Environments
SCI 466	Global Health Challenges
SCI 470	Immunity and Disease
SCI 490	Research Directed Study in Science

Track 2: Pre-Health

Biology core plus the following Pre-Health Required courses:

SCI 274 & SCI L274	Physics II Biological Physics and Physics II Laboratory
SCI 365 & SCI L365	Organic Chemistry I and Organic Chemistry I Laboratory
SCI 374 & SCI L374 or SCI 367	Organic Chemistry II and Organic Chemistry II Laboratory Biochemistry

**Choose 3 of the following course plus one lab, one course must be at the 400 level

HS 390	Research Methods in Health Sciences
SCI 352	Exercise Physiology
SCI 354	Nutrition
SCI 360 & SCI L360	Anatomy and Physiology I and Anatomy and Physiology Laboratory I (*)
SCI 363 & SCI L363	Genetics and Genetics Laboratory
SCI 367	Biochemistry
SCI 374 & SCI L374	Organic Chemistry II and Organic Chemistry II Laboratory
SCI 377 & SCI L377	Microbiology and Microbiology Laboratory
SCI 379	Emergency Medical Technician [EMT] Basic
SCI 380 & SCI L380	Anatomy and Physiology II and Anatomy and Physiology Lab II (*)
SCI 381 & SCI L381	Human Kinesiology and Kinesiology Lab
SCI 387	Functional Musculoskeletal Anatomy
SCI 390	Research Methods in Science
SCI 457	Environmental Toxicology and Risk Assessment
SCI 466	Global Health Challenges
SCI 470	Immunity and Disease
SCI 471 & SCI L471	Exercise Testing and Prescription and Exercise Testing and Prescription Lab
SCI 476 & SCI L476	Principles of Strength and Conditioning I and Principles of Strength and Conditioning I Lab
SCI 477 & SCI L477	Principles of Strength and Conditioning II and Principles of Strength and Conditioning II Lab
SCI 490	Research Directed Study in Science

*Recommended to be taken together with the lab.

**Students are encouraged to review individual course requirements for each track and take the appropriate class sequence.

Track 3: Environmental Biology

Biology Core plus Environmental Science Required Course:

SCI 268	Introduction to Environmental Science and Sustainability	3
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A minimum of 122 credit hours is required for graduation

Choose 1 additional course:

SCI 262 & SCI L262	Physical Geology and Physical Geology Laboratory
SCI 266	Oceanography

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
SCI 355	Energy Management Strategies
SCI 365	Organic Chemistry I
SCI 366	Coastal Environments
SCI 371 & SCI L371	Human Impact on Land and Life and Human Impact on Land and Life Laboratory
SCI 372 & SCI L372	Sustaining Air and Water and Sustaining Air and Water Laboratory
SCI 376 & SCI L376	GIS for Environmental Decision Making and GIS for Environmental Decision Making Laboratory
SCI 377	Microbiology
SCI 378	Computer Programming for the Sciences
SCI 455	Environmental Policy: Decision Making and Problem Solving
SCI 457	Environmental Toxicology and Risk Assessment
SCI 463	Issues in Environmental Science
SCI 466	Global Health Challenges
SCI 490	Research Directed Study in Science

Liberal Arts Core Requirements

ECO 113	Microeconomic Principles
ECO 114	Macroeconomic Principles
LCS 121	Introduction to Literary Studies
MATH 121	Calculus and Analytic Geometry I
MATH 201	Statistics I
Two Humanities Survey Courses	

Liberal Arts Distributions - Modes of Thought ¹

Two Social Science Modes of Thought	
One Historical Mode of Thought (Upper Division)	
One Literary Mode of Thought (Upper Division)	
Two Scientific Modes of Thought ²	

Business Minor Requirement

Selection is made from a variety of business minors (Business Administration, Entrepreneurship, Finance, Global Supply Chain Management, Human Resource Management, Information Systems, International Business, Management, Marketing, Marketing Analytics, and Sales).

Electives

Subject to programmatic constraints, students may elect to take additional business courses beyond the required minor.

¹ Modes of Thought requirements can be met by appropriate courses in the major.

² Include one Lab Science. One science must be taken at the 300 or 400 level.