

# 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

### University Minor Requirements

### 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 <sup>1</sup>	3
SCI 363	Genetics	3
SCI 365	Organic Chemistry I	3
SCI 374	Organic Chemistry II	3
SCI 377	Microbiology <sup>1</sup>	3
SCI 380	Anatomy and Physiology II <sup>1</sup>	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	Biochemistry	3
or SCI 386	Sports Nutrition	
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
<b>Suggested Degree OPEN Electives for Health Science Majors:</b>		
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**

<sup>1</sup> 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.