

B.S. in General Science

This is a course of study for students who want a broad background in biological and physical sciences, and it can be structured for Pre-Med students. Students must complete at least 30 credit hours, including 10 from biological sciences and 10 each from 2 of the 3 physical sciences listed below—at least 15 hours must be in courses not listed as General Education courses (*). In addition to these 30 credit hours, students must complete 20 additional hours of science and math electives and 19 hours of general electives; 10 of the 55 General Education hours will be science or math courses. Specific courses might be prerequisites for courses listed below. Advisor: [Dr. Mary Morgan](#).

Biology Courses (minimum of 10 credit hours):	Credit Hours
BIOL 180/180L Principles of Biology/Lab [fall and spring]	4
BIOL 230 Human Anatomy and Physiology [fall and spring]	3
BIOL 232 Anatomy of Humans Laboratory [fall and spring]	1
BIOL 234 Physiology of Humans Laboratory [fall and spring]	1
BIOL 240/240L Microbiology for Allied Health/Lab [fall and spring]	5
BIOL 245 Medical Terminology [fall and spring]	2
BIOL 250/250L Introductory Botany/Lab [fall and spring]	4
BIOL 260/260L Introductory Zoology/Lab [fall and spring]	4
BIOL 325/325L Genetics/Lab [fall and spring]	4
BIOL 330/330L Plant Anatomy/Lab [spring only; even-numbered years]	4
BIOL 435/435L Cellular Biology/Lab [spring only]	4
BIOL 345/345L Human Anatomy/Lab [spring only]	4
BIOL 346/346L Human Physiology/Lab [fall only]	4
BIOL 490/490L General Microbiology/Lab [spring only]	5
BIOL 607 Principles of Immunology	3
Chemistry Courses:	
CHEM 120/120L University Chemistry I/Lab	5
CHEM 122/122L University Chemistry II/Lab	5
CHEM 250/250L Chemical Analysis/Lab	5
CHEM 304/304L Essentials of Organic Chemistry/Lab	5
CHEM 340/340L Organic Chemistry I/Lab	5
CHEM 342/342L Organic Chemistry II/Lab	5
CHEM 360/360L Essentials of Biochemistry/Lab	5
CHEM 430/430L Survey of Physical Chemistry/Lab	5
Geosciences Courses:	
GSCI 110 World Geography	3
GSCI 200/200L Physical Geology/Lab	5
GSCI 202/202L Historical Geology/Lab	5
GSCI 240 Introduction to Geographic Information Systems	3
GSCI 310/310L Mineralogy/Lab	5
GSCI 320/320L Petrology/Lab	4
GSCI 321 United States Geography	3
GSCI 340 Environmental Geology*	3
Physics Courses:	
PHYS 111/111L Physics I/Lab	5
PHYS 112/112L Physics II/Lab	5
PHYS 212/212L Physics for Scientists and Engineers II/Lab	5
PHYS 301 Concepts of Modern Physics	3
PHYS 309 Descriptive Astronomy*	3

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