

Bachelor of Science

Biology - Major Requirements

Course	Credits
*Courses can be applied to both-major and core requirements-number of credits are counted only once.	
Required Major Courses 56credits	
*MATH 141 Elements of Calculus I – Life science, biology, or health field intended students	4
*MATH 151 Calculus I for Science – Engineering or computer science intended students	
MATH 142 Elements of Calculus II – Health field intended students	4
MATH 152 Calculus II for Science – Engineering or computer science intended students	
*BIOL 151 Principles of Biology I Lecture/Lab	4
BIOL 152 Principles of Biology II Lecture/Lab	4
BIOL 215 Biostatistics	4
BIOL 256 Comparative Physiology Lecture/Lab	4
BIOL 309 Genetics Lecture/Lab	5
BIOL 315 Ecology Lecture/Lab	4
BIOL 320 Cell Biology	3
*CHEM 151 Principles of Chemistry I Lecture/Lab	4
CHEM 152 Principles of Chemistry II Lecture/Lab	4
CHEM 211 Organic Chemistry I Lecture/Lab	4
CHEM 212 Organic Chemistry II Lecture/Lab	4
PHYS 131 Physics for Life Sciences I Lecture/Lab or PHYS 151 Physics for Science I	4
PHYS 132 Physics for Life Sciences II Lecture/Lab or PHYS 152 Physics for Science II	4
MAJOR CREDIT TOTAL	56
Major Elective Courses 16 credits	
Choose minimum <u>16 credit hours</u> of electives. Must include <u>at least two 300-400 level</u> courses.	
BIOL 213 Microbiology Lecture/Lab	4
BIOL 230 Public Health	3
BIOL 255 Human Anatomy Lecture/Lab	4
BIOL 308 Molecular Biology	3
BIOL 311 Plant Physiology Lecture/Lab	4
BIOL 313 Medical Microbiology	3
BIOL 325 Epidemiology	3
BIOL 409 Biology Research	3
BIOL 460 Molecular Biology Methods	3
CHEM 330 Biochemistry	3
MAJOR ELECTIVE CREDIT TOTAL	16
BIOLOGY REQUIREMENTS CREDIT TOTAL	72
HOLY CROSS COLLEGE CORE REQUIREMENTS CREDIT TOTAL	50
MINIMUM CREDITS REQUIRED FOR GRADUATION	122