

Program of Study for SCIENCE Composite Major

Core Courses: 7 Credit Hours

- MATH 151 Calculus I 4
- GENL 255 Navigating a Diverse Society for Equality in MATH/SCIENCE 3

Students select 2 areas of study from the following options:

BIOLOGY EMPHASIS Required Biology Courses: 20 Credit hours

- BIOL 120 General Biology I 4 cr
- BIOL 121 General Biology II 4 cr
- BIOL 233 Genetics 4 cr
- BIOL 234 Cell Biology 4 cr
- BIOL 300-level Ecology course 4 cr

Required Supportive course for Biology Emphasis: 8 credit hours

- CHEM 116 General Chemistry I 4 cr
- CHEM 145 Survey of Organic and Biochemistry 4 cr OR CHEM 201 Organic Chemistry I 4 cr

CHEMISTRY EMPHASIS Required Chemistry Courses: 20 Credit hours

- CHEM 116 General Chemistry I 4 cr
- CHEM 117 General Chemistry II 4 cr
- CHEM 145 Survey of Organic and Biochemistry 4 cr
- CHEM 222 Inorganic Chemistry 4 cr
- CHEM 242 Analysis 4 cr OR CHEM 300-level course

PHYSICS EMPHASIS Required Physics Courses: 16 Credit hours

- PHYS 201 Physics for Life Sciences I 4 cr OR PHYS 221 General Physics I 4 cr
- PHYS 202 Physics for Life Sciences II 4 cr OR PHYS 222 General Physics II 4 cr
- PHYS 281 Intermediate Laboratory 4 cr
- PHYS 371 Modern Physics 4 cr

Required Supportive course for Physics Emphasis: 4 credit hours

- MATH 152 Calculus II 4 cr

Recommended Courses for Physics Emphasis:

- PHYS 190 Astronomy 3 cr
- PHYS 300-level Elective 3 cr

Students must also complete the 5-12 Secondary Education Program of Study

- EDUC 110—Foundations of American Education 3 cr
- EDUC 219—Technology in Education 3 cr
- EDUC 245—Educational Psychology and Measurement 3 cr
- EDUC 275—Teach, Learn, Connect Methods 3 cr
- EDUC 310—Secondary School Methods: Science 3 cr
- EDUC 335—Literacy in the Content Area 3 cr
- EDUC 345—Adolescent Development 3 cr
- EDUC 355—Human Relations in Education 3 cr
- EDUC 375—Educational Assessment 3 cr
- EDUC 401—Classroom Management 1 cr
- SPED 240—Teaching in Inclusive Schools 3 cr
- NAST 320—Native American Studies 3 cr