## General Education (44-46 credits)

### Study Areas

#### Arts & Humanities (9 credits)
- ENG literature
- HIST 161 or HIST 162 (Grade of C- or better required)
- PSY 236 Life Span Development (Grade of C- or better required)

#### Social Sciences (9 credits)
- PHYS 125 University Physics I
- PHYS 126 University Physics II
- PHYS 220 Mechanics I
- PHYS 250 Intermediate Lab I
- PHYS 305 Fund of Electricity & Magnetism
- PHYS 320 Heat & Thermodynamics
- PHYS 325 Optics
- PHYS 331 Electronics I
- PHYS 350 Intermediate Lab II
- PHYS 425 Modern Physics
- PHYS 450 Advanced Laboratory
- PHYS 470 Quantum Mechanics I

#### Behavioral Sciences (6 credits)
- PSY 236 Life Span Development (Grade of C- or better required)
- PSY 350 Intermediate Lab II

#### Natural Sciences (6 or 7 credits)
- PHYS 125 (double-counted in major)
- PHYS 126 (double-counted in major)

## Physics Major (33 credits)

### Grade of C- or better required

- PHYS 125 University Physics I
- PHYS 126 University Physics II
- PHYS 220 Mechanics I
- PHYS 250 Intermediate Lab I
- PHYS 305 Fund of Electricity & Magnetism
- PHYS 320 Heat & Thermodynamics
- PHYS 325 Optics
- PHYS 331 Electronics I
- PHYS 350 Intermediate Lab II
- PHYS 425 Modern Physics
- PHYS 450 Advanced Laboratory
- PHYS 470 Quantum Mechanics I

## Math & Science Related Requirements (35 credits)

### Grade of C- or better required

- BIO 121 General Biology I
- CHEM 161 General Chemistry
- CHEM 162 General Chemistry Lab
- CHEM 201 Foundations of Analytical Chemistry Lab
- CHEM 260 Foundations of Inorganic Chemistry
- ESCI 121 The Dynamic Earth
- ESCI 122 The Dynamic Earth Lab
- ESCI 209 Stellar and Galactic Astronomy
- MATH 152 Calculus I (can also fulfill General Education SK II)
- MATH 221 Calculus II (can also fulfill General Education SK II)
- MATH 222 Calculus III
- SCI 420 History of Science

## Professional Education (30 credits)

### All courses require admission to the Professional Program and a grade of C or better

- SPED 315 Intro. to Educating Learners with Exceptionalities
- EDTE 316 Principles of Learning in Diverse Settings (7-12)
- EDF 415 Educational Foundations
- EDSC 425 Multicultural, Interdisciplinary Teaching (7-12)
- RDG 440 Literacy in the Secondary School
- SCI 417 Teaching of Science in the Secondary School
- SCI 419 Student Teaching Seminar
- EDSC 435 Secondary Education Student Teaching