### General Studies
- **34**

### Major Courses
- **41**

### Required Ancillary Courses
- **16**

### Minor Courses
- **18 min**

### Electives
- **7-11**

### Total to graduate (min. 40 hrs upper division)
- **120 min**

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#### GENERAL STUDIES

##### Composition
- ENG 1010 - 3 Freshman Comp: the Essay
- ENG 1020 - 3 Freshman Comp: Anal., Rsrch & Docum.

##### Mathematics
- MTH 1110 - 4 College Algebra-or higher level math

##### Communications
- **-3**

##### Historical
- **-3**

##### Arts & Letters
- **-3**

##### Social Sciences
- **-3**
- **-3**

##### Natural Sciences
- Lab is required for General Studies credit
- CHE 1800-4 General Chemistry I (Recommended)
- CHE 1810-4 General Chemistry II (Recommended)
- CHE 1850-2 General Chemistry Lab (Recommended)

##### Multicultural Requirement
- **-3**

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#### MAJOR COURSES

##### Physics, B.S.

##### ENG 1010-3 Freshman Comp: the Essay

##### ENG 1020-3 Freshman Comp: Anal., Rsrch & Docum.

##### MTH 1410-4 Calculus I

##### MTH 2410-4 Calculus II

##### MTH 3411-3 Thermal Physics

##### PHY 2311-4 General Physics I

##### PHY 2321-1 General Physics I Lab

##### PHY 2331-4 General Physics II

##### PHY 2341-1 General Physics II Lab

##### PHY 2711-3 Vibrations and Waves

##### PHY 2811-4 Modern Physics I

##### PHY 3011-3 Modern Physics II

##### PHY 3211-4 Analytical Mechanics

##### PHY 3411-3 Thermal Physics

##### PHY 3711-2 Physics Lab I

##### PHY 3811-3 Quantum Mechanics I

##### PHY 4311-4 Electricity and Magnetism

##### PHY 4611-2 Computational Physics I

##### PHY 4711-2 Advanced Physics I Lab

##### PHY 4921-1 Physics Senior Seminar (Senior Experience)

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#### NOTE: Most of the above courses have math prerequisites. Check prerequisites in the current MSCD catalog before registering for the above courses.

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#### Required Ancillary Courses:

- MTH 1410-4 Calculus I
- MTH 2420-4 Calculus III
- MTH 2410-4 Calculus II
- MTH 3420-4 Differential Equations

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#### ONE YEAR OF ELECTRONICS RECOMMENDED—SEE ADVISOR

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#### MINOR (Required)

#### ELECTIVES

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#### NOTE: Students are encouraged by the Physics department to complete one year of general chemistry and one year of electronics. See department for details.