

*Note:* For advising support only.  
See catalog for full degree requirements.

Name: \_\_\_\_\_ ID#: \_\_\_\_\_

**GENERAL EDUCATION** (minimum 43 credits)

**ENGLISH LANGUAGE COMPETENCE:** (4 credits)

- English 101-Essay Writing is required of all students.

**Write in courses / credits:**

ENG 101 \_\_\_\_\_ / 4

**ARTS & HUMANITIES:**

A minimum of **15** credits, as follows:

- One course in Literature  
(Any 200- or 300-level English course except 202, 203, 204, 208, 301, 302, 303, 304, 308, 312; FR 303 and SP 303 may also be used to fulfill this requirement)
- One course in History. (For teacher certification, a US History course is required)
- One course in Art, Film, Music or Theatre & Dance.
- Additional credits from Arts & Humanities: AMST, ART, COMM, ENG, FILM, FR, GER, HIST, JRN, ML, MU, PHIL, SP, TAD or an approved interdisciplinary course (WS 201\* or IDAH).

\_\_\_\_\_ / \_\_\_\_\_

US HIST \_\_\_\_\_ / \_\_\_\_\_

\_\_\_\_\_ / \_\_\_\_\_

\_\_\_\_\_ / \_\_\_\_\_

\_\_\_\_\_ / \_\_\_\_\_

**SOCIAL SCIENCES:**

A minimum of **12** credits in **three** or more Social Sciences disciplines: ANTH, ECON, GEOG, POSC, PSYC, SOC or an approved interdisciplinary course (WS 201\* or IDSS).

(For teacher certification, a Geography course is required)

GEOG \_\_\_\_\_ / \_\_\_\_\_

\_\_\_\_\_ / \_\_\_\_\_

\_\_\_\_\_ / \_\_\_\_\_

\_\_\_\_\_ / \_\_\_\_\_

**SCIENCES/MATHEMATICS:**

A minimum of **12** credits, as follows:

- One course in Biology.
  - One course in Physical Science (ASTR, CHEM, GEOL, MET, PHYS)
    - Additional credits from Sciences/Mathematics:  
ASTR, BIO, CHEM, CS, ENST, GEOL, MATH, MET, PHYS
- or an approved interdisciplinary courses (IDSM).

\*\* \_\_\_\_\_ / \_\_\_\_\_

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(\*\*For General Education eligible requirements for the major, see reverse side.)

\*WS 201 may be used once, to fulfill either an Arts & Humanities or a Social Sciences requirement.

## MAJOR REQUIREMENTS (55-67 credits)

Courses included in the core may apply toward the Sciences/Mathematics General Education requirements.

### GENERAL SCIENCE CORE: (31-32 credits)

- |   |   |
|---|---|
| <input type="checkbox"/> ASTR 101: Elementary Astronomy             | <input type="checkbox"/> GEOL 202: Historical Geology             |
| <b>-or-</b> <input type="checkbox"/> ASTR 307: University Astronomy | <input type="checkbox"/> MATH 120: Applied Algebra & Trigonometry |
| <input type="checkbox"/> BIO 151/152: Life: Diversity and Lab       | <b>-or-</b> <input type="checkbox"/> MATH 130: Precalculus        |
| <input type="checkbox"/> BIO 153/154: Life: Processes and Lab       | <b>-or-</b> <input type="checkbox"/> MATH 151: Calculus I         |
| <input type="checkbox"/> BIO 252: Ecology & Evolution               | <input type="checkbox"/> MET 225: Meteorology                     |
| <input type="checkbox"/> GEOL 201: Introductory Physical Geology    | <input type="checkbox"/> PHYS 201: Phenomenal Science             |

### MIDDLE SCHOOL OPTION: (15 credits plus specialization or minor)

- |   |  |
|---|--|
| <input type="checkbox"/> CHEM 111/115: General Chemistry I and Lab  | <input type="checkbox"/> MATH 141: Introductory Statistics |
| <input type="checkbox"/> CHEM 112/116: General Chemistry II and Lab | <input type="checkbox"/> PHYS 210: History of Science      |

### SPECIALIZATION -or- MINOR: Choose one of the four options below

#### **Specialization: (minimum 9 credits)**

Three or more additional courses at the 200-level or above in one

*of the following areas: Biology, Chemistry or Geology*

- |                                       |
|---------------------------------------|
| <input type="checkbox"/> _____: _____ |
| <input type="checkbox"/> _____: _____ |
| <input type="checkbox"/> _____: _____ |

#### **Minor: Biology: (13 credits beyond core requirements)**

Select one of the following three lecture courses:

- BIO 251: Genetics
- BIO 253: Physiology of Plants and Animals
- BIO 254: Cell Biology

Select 8 credits of 300- or 400-level Biology courses:

- |  |  |
|--|--|
| <input type="checkbox"/> BIO ____: _____ | <input type="checkbox"/> BIO ____: _____ |
| <input type="checkbox"/> BIO ____: _____ | <input type="checkbox"/> BIO ____: _____ |

Select one of the following three laboratory courses:

- BIO 255: Experimental Genetics
- BIO 256: Experimental Ecology & Evolution
- BIO 257: Experimental Physiology

#### **Minor: Chemistry (15-20 credits beyond option requirements)**

- CHEM 251/255: Quantitative Analysis & Lab
  - CHEM 220/224: Fundamental Organic Chemistry and Lab
- OR-**
- CHEM 221/225: Organic Chemistry I & Lab
  - CHEM 222/226: Organic Chemistry II & Lab

*Chemistry Electives: 6-7 credits at the 300- or 400-level*

- |   |
|---|
| <input type="checkbox"/> CHEM ____: _____ |
| <input type="checkbox"/> CHEM ____: _____ |
| <input type="checkbox"/> CHEM ____: _____ |
| <input type="checkbox"/> CHEM ____: _____ |

#### **Minor: Geology (16-18 credits beyond core requirements)**

Select four Geology electives at the 300-level or above:

- |   |   |
|---|---|
| <input type="checkbox"/> GEOL ____: _____ | <input type="checkbox"/> GEOL ____: _____ |
| <input type="checkbox"/> GEOL ____: _____ | <input type="checkbox"/> GEOL ____: _____ |

### TEACHER CERTIFICATION REQUIREMENTS: (37 credits)

If pursuing Teacher Certification for Middle School General Science, the following courses are required.

- |  |  |
|--|--|
| <input type="checkbox"/> ESEC 100: Introduction to Teaching                  | <input type="checkbox"/> ESEC 384: Methods: Middle School                |
| <input type="checkbox"/> ESEC 150: Development, Exceptionality & Learning I  | <input type="checkbox"/> ESEC 386: Methods: Field Experience             |
| <input type="checkbox"/> ESEC 250: Development, Exceptionality & Learning II | <input type="checkbox"/> ESEC 387: Creating Social Contexts for Learning |
| <input type="checkbox"/> ESEC 282: Literacy in the Content Areas             | <input type="checkbox"/> ESEC 450: Seminar: Educational Principles       |
| <input type="checkbox"/> ESEC 320: Education Environments/Practices          | <input type="checkbox"/> ESEC 460: Student Teaching                      |

**ELECTIVES:** Select additional courses of your choice to bring total number of credits earned to 120.