

*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).

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**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)

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**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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(BIO 151/152-Life:Diversity w/Lab, CHEM 111/115-General Chemistry I w/Lab, CHEM 112/116-General Chemistry II w/Lab and MATH 151-Calculus I are required for the major)

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

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

NOTE: Teacher certification is in Earth Science Education, grades 7-12.

**MAJOR REQUIREMENTS: 40 credits.** See catalog for full degree requirements. Courses marked with an asterisk (\*) may be used toward Sciences/Mathematics General Education requirements.

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**CORE REQUIREMENTS: 25 credits**

**Select one from the following:**

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|------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <input type="checkbox"/> GEOL 201: Introductory Physical Geology <b>-or-</b> | <input type="checkbox"/> GEOL 100/101: Perspectives of Earth and Lab |
| <input type="checkbox"/> GEOL 202: Historical Geology                        | <input type="checkbox"/> GEOL 303: Structural Geology                |
| <input type="checkbox"/> GEOL 301: Mineralogy                                | <input type="checkbox"/> GEOL 305: Paleontology                      |
| <input type="checkbox"/> GEOL 302: Petrology                                 | <input type="checkbox"/> GEOL 306: Stratigraphy                      |

**Select four Geology\* courses at the 300 level or above: 12 credits**

- GEOL\_\_\_\_\_  GEOL\_\_\_\_\_  GEOL\_\_\_\_\_  GEOL\_\_\_\_\_

\*ASTR 307: University Astronomy may be used to fulfill one of these requirements.

**Select one from the following:**

- |                                                                   |                                                                   |
|-------------------------------------------------------------------|-------------------------------------------------------------------|
| <input type="checkbox"/> GEOG 323: Cartography and Surveying      | <input type="checkbox"/> GEOG 327: Introduction to Remote Sensing |
| <input type="checkbox"/> GEOG 325: Cartography & Computer Mapping | <input type="checkbox"/> GEOL 206: Oceanography                   |
| <input type="checkbox"/> GEOG 326: GIS: IDRISI                    | <input type="checkbox"/> MET 225: Meteorology                     |

**RELATED REQUIREMENTS: 27 credits**

- |                                                               |                                                                      |
|---------------------------------------------------------------|----------------------------------------------------------------------|
| <input type="checkbox"/> BIO 151/152 Life: Diversity and Lab* | <input type="checkbox"/> CHEM 111/115: General Chemistry I and Lab*  |
| <input type="checkbox"/> MATH 151: Calculus I*                | <input type="checkbox"/> CHEM 112/116: General Chemistry II and Lab* |

**Select one of the following two-semester sequences:**

- PHYS 141: College Physics I\* **-and-**  PHYS 142: College Physics II\*  
 PHYS 241: University Physics I\* **-and-**  PHYS 242: University Physics II\*

**Select one from the following:**

- MATH 141: Introductory Statistics\*       MATH 152: Calculus II\*       CS \_\_\_\_\_ (elective)

**TEACHER CERTIFICATION REQUIREMENTS:** Earth Science Education (Grades 7-12) certification

- ESEC 100: Introduction to Teaching
- ESEC 150: Development, Exceptionality & Learning I
- ESEC 250: Development, Exceptionality & Learning II
- ESEC 282: Literacy in Content Areas
- ESEC 320: Education Environments/Practices
- ESEC 385: Methods: Secondary
- ESEC 386: Methods: Field Experience
- ESEC 450: Seminar: Education Principles
- ESEC 460: Student Teaching

Although not required,  ESEC 387: Creating Social Contexts for Learning, is highly recommended.

**ELECTIVES:** Select additional courses of your choice to bring total number of credits earned to 126.