

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).

(BIO 153/154-Life:Diversity w/Lab is required for teacher certification in Chemistry; Physical Science general education requirements are fulfilled by the major; MATH 151-Calculus I and MATH 152-Calculus II are required for the major)

_____ / _____

Fulfilled by major ___ / ___

MATH 151 _____ / _____

MATH 152 _____ / _____

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

MAJOR REQUIREMENTS: 47-92 credits. See catalog for full degree requirements.

PROFESSIONAL OPTION: 47 credits

- | | |
|--|---|
| <input type="checkbox"/> CHEM 111/115: General Chemistry I and Lab | <input type="checkbox"/> PHYS 241: University Physics I |
| <input type="checkbox"/> CHEM 112/116: General Chemistry II and Lab | <input type="checkbox"/> PHYS 242: University Physics II |
| <input type="checkbox"/> CHEM 220/224: Fundamental Organic Chemistry and Lab | <input type="checkbox"/> PHYS 245: University Physics III |
| <input type="checkbox"/> CHEM 341/345: Physical Chemistry I and Lab | <input type="checkbox"/> PHYS 260: Electronics |

CHEMISTRY Electives: 8 credits

- CHEM _____
- CHEM _____

PHYSICS Electives (300-level or above): 6 credits

- PHYS _____
- PHYS _____
-

TEACHER CERTIFICATION OPTION: 92 credits

- | | |
|--|---|
| <input type="checkbox"/> CHEM 111/115: General Chemistry I and Lab | <input type="checkbox"/> PHYS 210: History of Science |
| <input type="checkbox"/> CHEM 112/116: General Chemistry II and Lab | <input type="checkbox"/> PHYS 241: University Physics I |
| <input type="checkbox"/> CHEM 221/225: Organic Chemistry I and Lab | <input type="checkbox"/> PHYS 242: University Physics II |
| <input type="checkbox"/> CHEM 222/226: Organic Chemistry II and Lab | <input type="checkbox"/> PHYS 245: University Physics III |
| <input type="checkbox"/> CHEM 251/255: Quantitative Analysis and Lab | <input type="checkbox"/> PHYS 260: Electronics |
| <input type="checkbox"/> CHEM 401: Biochemistry | <input type="checkbox"/> PHYS 342: Modern Physics |
| <input type="checkbox"/> ASTR 307: University Astronomy | <input type="checkbox"/> PHYS _____ (Elective – 1 credit) |

Select one of the following: 5 credits

- CHEM 341/345: Physical Chemistry I and Lab -or-
- CHEM 342/346: Physical Chemistry II and Lab

CHEMISTRY Electives (300-level or above): 3 credits

- CHEM _____

TEACHER EDUCATION REQUIREMENTS (for certification in Chemistry*): 34 credits

- | | |
|--|--|
| <input type="checkbox"/> ESEC 100: Introduction to Teaching | <input type="checkbox"/> ESEC 385: Methods: Secondary |
| <input type="checkbox"/> ESEC 150: Dev, Exceptionality & Learning I | <input type="checkbox"/> ESEC 386: Methods: Field Experience |
| <input type="checkbox"/> ESEC 250: Dev, Exceptionality & Learning II | <input type="checkbox"/> ESEC 450: Seminar: Education Principles |
| <input type="checkbox"/> ESEC 282: Literacy in Content Areas | <input type="checkbox"/> ESEC 460: Student Teaching |
| <input type="checkbox"/> ESEC 320: Education Environments/Practices | |

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

*Additional certification in Physical Science may be obtained by choosing two additional courses from the following: GEOL 201: Introductory Physical Geology; GEOL 202: Historical Geology; GEOL 206: Oceanography; or MET 225: Meteorology.

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