

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).

(For teacher certification, GEOL 201-Physical Geology is required)

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*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.

MAJOR REQUIREMENTS: 79-80 credits See catalog for full degree requirements.

Courses marked with an asterisk (*) may be used toward the Sciences / Mathematics General Education requirement. Courses count once toward graduation.

INTRODUCTORY SEQUENCE (8 credits)

- BIO 151/152: Life: Diversity and Lab* BIO 153/154: Life: Processes and Lab*
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SOPHOMORE CORE COURSES (16-17 credits)

- BIO 251: Genetics BIO 252: Ecology and Evolution BIO 254: Cell Biology

Select one of the following:

- BIO 253: Physiology of Plants and Animals BIO 232/233: Human Anat. & Physiology II and Lab

Select two of the following:

- BIO 255: Experimental Genetics BIO 257: Experimental Physiology
 BIO 256: Experimental Ecology and Evolution BIO 280: Research Rotations
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JUNIOR/SENIOR CORE COURSES (16 credits)

- BIO 401: Biochemistry BIO 403: Experimental Biochemistry BIO 495: Biology Seminar

Select one of the following organismal courses:

- BIO 322: Flowering Plant Biology BIO 351: Ornithology BIO 365: Plant Evolution
 BIO 333: Invertebrate Zoology BIO 352: Entomology BIO 415: Microbial Diversity
 BIO 334: Vertebrate Zoology

Select one of the following courses or course pairs:

- BIO 405: Molecular Biology BIO 451: Population Ecology
 BIO 408: Developmental Biology **-and-** BIO 457: Research Methods: Ecology
 BIO 409: Neurobiology BIO 452: Community and Ecosystem Ecology
 BIO 454: Ecological Physiology **-and-** BIO 457: Research Methods: Ecology
-and- BIO 457: Research Methods: Ecology BIO 455: Comparative Animal Physiology
-or- BIO 458: Research Methods: Physiology **-and** BIO 458: Research Methods: Physiology
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UPPER-LEVEL BIOLOGY ELECTIVES (7-8 credits)

Select any 300- or 400-level BIO courses to bring total credits in Biology to 48:

- _____ _____ _____ _____
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RELATED SCIENCE/MATHEMATICS (31 credits)

- CHEM 111/115: General Chemistry I and Lab* PHYS 141: College Physics I*
 CHEM 112/116: General Chemistry II and Lab* PHYS 142: College Physics II*
 CHEM 221/225: Organic Chemistry I and Lab* MATH 141: Introductory Statistics*
 CHEM 222/226: Organic Chemistry II and Lab* MATH 151: Calculus I*
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TEACHER CERTIFICATION in Biology (Secondary) requires the following courses (34 credits)

- ESEC 100: Introduction to Teaching ESEC 385: Methods: Secondary
 ESEC 150: Dev, Exceptionality & Learning I ESEC 386: Methods: Field Experience
 ESEC 250: Dev, Exceptionality & Learning II ESEC 450: Seminar: Education Principles
 ESEC 282: Literacy in Content Areas ESEC 460: Student Teaching
 ESEC 320: Education Environments/Practices
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Additional recommended course: ESEC 387: Creating Social Contexts for Learning

ELECTIVES: Select additional courses of your choice to bring total number of credits earned to 126. For Environmental Biology, CHEM 352/356, GEOL 201 and GEOL 202 are recommended electives.