### GENERAL EDUCATION CORE

<table>
<thead>
<tr>
<th>SKILLS COMPONENT</th>
<th>REG</th>
<th>DONE</th>
<th>GRADE</th>
<th>NEED</th>
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<tbody>
<tr>
<td>ENGL 101 &amp; 102</td>
<td>6</td>
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<tr>
<td>ENGL 109</td>
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<tr>
<td>COMM 101, 202, 203, 204, 205</td>
<td>3</td>
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<tr>
<td>MATH 143 &amp; 144 OR MATH 147</td>
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### HUMANITIES

**one Lit and one Art course (6 cr. required)**

- ENGL 101, 109, CHEM 111, Principles of Chemistry I

**and two of the following:**

- ANTH 102, 120, 170
- ECON 101, 102, 201, 202
- GEOG 102
- HIST 101, 102, 111, 112, 115
- HRPT 184, 185
- POLS 101, 285
- PSYC 101
- SOC 101, 102

**NS 150**

### NATURAL SCIENCES

**two courses required (7 cr. required)**

- MATH 143 & 144 OR BIOL 181, Ecology, Evolution, and Diversity of Life
- BIOL 182, Concepts in Cellular Mechanisms
- BIOL 213, Plant & Animal Form and Function

**and two of the following:**

- BIOL 401, Mammalogy OR BIOL 402, Ornithology OR BIOL 403, Ichthyology OR BIOL 404, Entomology OR BIOL 450, Field Botany

**MATH 147, Precalculus**

### SOCIAL SCIENCE

**three courses required (9 cr. required)**

- ENGL 150, ENGL 257, ENGL 258, HUM 301, ART 100, HUM 101, HUM 150, MUS 101, THEA 101
- BIOL 403, Ichthyology
- BIOL 404, Entomology
- BIOL 405, Field Botany

**MATH 143/144, Precalc Algebra/Precalc Trig OR MATH 147, Precalculus**

### FOREIGN/HERITAGE LANGUAGE

**one course required**

- ID, HUM, NS, SS 350

### INTEGRATIVE COMPONENT

**one course required**

- ID, HUM, NS, SS 351

**TOTAL 39**

### SUMMARY

- GENERAL EDUCATION CORE: 39 credits
- ELECTIVES: 5 credits
- LANGUAGE: 0 credits
- NATURAL SCIENCE PROGRAM: 45 credits
- SECONDARY EDUCATION: 39 credits

**TOTAL 128**

128 Total Credits (minus remedial): 36 Upper Division Credits: 32 Resident Credits (LCSC):

Secondary certification candidates must meet the graduation requirements for their major and the Secondary Teacher Education Program and must have two advisors. (see below)

★See Catalog section “Education Division: Secondary Teacher Certification” regarding certification requirements for this major. Selective course choices could be affected.

### BIOLOGY PROGRAM

#### PROGRAM REQUIREMENTS

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#### BIOLOGY PROGRAM

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<tbody>
<tr>
<td>CHEM 111, Principles of Chemistry I</td>
<td>Counted in core</td>
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<tr>
<td>CHEM 112, Principles of Chemistry II</td>
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**1 of the following -ologies:**

- BIOL 401, Mammalogy OR BIOL 402, Ornithology OR BIOL 403, Ichthyology OR BIOL 404, Entomology OR BIOL 450, Field Botany
- MATH 143/144, Precalc Algebra/Precalc Trig OR MATH 147, Precalculus
- MATH 254, Statistical Methods for Sciences | 4 |
- NS 380, Senior Seminar | 1 |
- PHYS 111 or 211, Physics I | 4 |
- PHYS 112 or 212, Physics II | 4 |

#### SELECTIVES: Any BIOL courses numbered 200 or higher

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<tr>
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**TOTAL 45**

### SECONDARY EDUCATION CERTIFICATION REQUIREMENTS

*Additional requirements must be met for teacher certification. See your Education Division advisor for details.*

- Application for admission to the Teacher Education Program is required after successful completion of Phase I courses.
- No grade lower than a "C-" will be accepted in any General Education core, Content Major, or Professional Foundations course. No grade lower than a "B-" will be accepted in any Professional Studies or Professional Internship secondary education course.

- A minimum cumulative GPA of 2.75 is required for admission into the Secondary Teacher Education Program. Candidates must also maintain a 3.0 cumulative GPA in their content area classes.

### NOTES, COMMENTS, SUBSTITUTIONS, WAIVERS

No grade lower than a "C-" will be accepted in any General Education core, Content Major, or Professional Foundations course. No grade lower than a "B-" will be accepted in any Professional Studies or Professional Internship secondary education course.

* Additional requirements must be met for teacher certification. See your Education Division advisor for details.*