## GENERAL EDUCATION CORE

<table>
<thead>
<tr>
<th>SKILLS COMPONENT</th>
<th>REQ</th>
<th>DONE</th>
<th>GRADE</th>
<th>NEED</th>
</tr>
</thead>
<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 150, ENGL 257, ENGL 258, HUM 301
- ART 100, HUM 101, HUM 150, MUS 101, THEA 101

### NATURAL SCIENCES
- two courses required (7 cr. required)
- NS 150
- CHEM 111
- MATH 143 & 144 OR CHEM 306
- PHYS 111/211
- PHYS 112/212

### SOCIAL SCIENCE
- three courses required (9 cr. required)
- PSYC 205
- and two of the following:
  - ANTH 102, 120, 170
  - ECON 101, 102, 201, 202
  - GEOG 102
  - HIST 101, 102, 111, 112, 115
  - POLS 101, 285
  - PSIC 101
  - SOC 101, 102
  - SS 150, 184, 185

### INTEGRATIVE COMPONENT
- one course required
- ID, HUM, NS, SS 350
- ID, HUM, NS, SS 351

### FOREIGN/HERITAGE LANGUAGE
- 101
- 102
- 201
- 202

### SUMMARY
- GENERAL EDUCATION CORE: 39 credits
- ELECTIVES: 0 credits
- LANGUAGE: 0 credits
- NATURAL SCIENCE PROGRAM: 50 credits
- SECONDARY EDUCATION: 39 credits

### TOTAL CREDITS
- 128 total credits
- 36 upper division credits
- 32 resident credit (LCSC)

### NOTES, COMMENTS, SUBSTITUTIONS, WAIVERS
- Secondary certification candidates must meet the graduation requirements for their major and the Secondary Teacher Education Program and must have two advisors.
- 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.

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## CHEMISTRY PROGRAM

### PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAM REQUIREMENTS</th>
<th>REQ</th>
<th>DONE</th>
<th>GRADE</th>
<th>NEED</th>
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</thead>
<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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<tr>
<td>CHEM 305 Physical Chemistry I</td>
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<tr>
<td>CHEM 306 Physical Chemistry II</td>
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<tr>
<td>CHEM 325 Quantitative Analysis</td>
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<tr>
<td>CHEM 371/373 Organic Chemistry I/II</td>
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<tr>
<td>CHEM 372/374 Organic Chemistry III/IV</td>
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<tr>
<td>CHEM 454 Instrumental Analysis</td>
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<tr>
<td>CHEM 481 Biochemistry I</td>
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- MATH 143/144 Precalculus
- MATH 147 Precalculus
- MATH 170 Calculus I
- NS 380 Senior Seminar
- PHYS 111/211 Physics I
- PHYS 112/212 Physics II

### SELECTIVES - upper division science or math courses (see note below)

### TOTAL CREDITS
- 50 total credits

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## SECONDARY EDUCATION CERTIFICATION REQUIREMENTS

Application for admission to the Teacher Education Program is required after successful completion of Phase I courses.

### PHASE I - Professional Foundations of Education

- ED 214* Princ of Edu/Field Experience: 3 credits
- ED 318* Assessment of Learning: 3 credits
- ED 321* Educational Psychology: 3 credits

### PHASE II - Professional Studies in Education

- The following course may be taken in Phase I or Phase II:
  - ED 330 Culturally Responsive Classroom: 2 credits

### PHASE III - Instructional Methods in Education

- RE 422 Reading in the Content Area: 3 credits
- ED 446 Practicum in Content Methods 6-12: 1 credit
- ED 456 Content Teaching Methods 6-12: 2 credits

### PHASE IV - Professional Internship (taken as your final semester)

- ED 452 Internship Seminar: 1 credit
- ED 460 Professional Internship in Educ 6-12: 12 credits

### Subtotal Credits - Secondary Ed Certification
- 39 credits

### TOTAL CREDITS - Nat Sci Major & Sec Ed Cert
- 89 credits

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

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.