## General Education 2.0 Requirements

Students must complete Writing, Mathematics, and Speaking requirements during their first year.

### ACADEMIC FOUNDATIONS

<table>
<thead>
<tr>
<th>Writing</th>
<th>(6 cr - 2 courses)</th>
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</thead>
<tbody>
<tr>
<td>Quantitative Reasoning</td>
<td>(3 cr)</td>
</tr>
<tr>
<td>Speaking</td>
<td>(3 cr)</td>
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</tbody>
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### DISCIPLINARY AREAS

<table>
<thead>
<tr>
<th>Arts/Humanities</th>
<th>(9 cr - 3 courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Sciences</td>
<td>(6 cr - 2 courses)</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>(7 cr - 2 courses)</td>
</tr>
</tbody>
</table>

### TAGS (one class each)

- Critical Thinking (CT)
- Complex Systems (CS)
- Domestic Diversity (DD)
- Global Diversity (GD)

## College of Arts & Sciences Requirements

### Foreign Language: (14 cr - 4 courses)

- 101 Beginning I (4 cr)
- 102 Beginning II (4 cr)
- 201 Intermediate I (3-4 cr)
- 202 Intermediate II (3-4 cr)

### Tags:

- Arts/ Humanities
- Social Sciences
- Natural Sciences

### 300/400 Upper Division Requirement: (40 cr)

### Chemistry Requirements

If a grade of less than C- in a required chemistry course, then the student must successfully repeat the course within a year.

#### Chemistry

- 3150:151, Principles of Chemistry I, II (6 cr)
- 3150:152 Principles of Chemistry Laboratory (1 cr)
- 3150:154 Qualitative Analysis (2 cr)
- 3150:263, Organic Chemistry Lecture I, II (6 cr)
- 3150:265, Organic Chemistry Laboratory I, II (4 cr)
- 3150:305 Physical Chemistry for Biological Sciences (4 cr)

Or

- 3150:313, 314 Physical Chemistry Lecture I, II (6 cr)
- 3150:370 Biochemistry Laboratory (2 cr)
- 3150:401, 2 Biochemistry Lecture I, II (6 cr)
- 3150:480 Advanced Chemistry Laboratory III* (2 cr)

### Biology

- 3100:111, Principles of Biology I, II (8 cr)
- 3100:211 General Genetics (3 cr)
- 3100:212 General Genetics Laboratory (1 cr)
- 3100:311 Cell and Molecular Biology (4 cr)
- 3100:480 Molecular Biology (3 cr)
- 3100:485 Cell Physiology (3 cr)
- 3100:486 Cell Physiology Lab (1 cr)

### Physics

- 3650:261, 262 Physics for Life Science I, II (8 cr)
- 3650:291, 292 Elementary Classical Physics I, II (8 cr)

### Mathematics

- 3450:149 Pre-Calculus Mathematics (4 cr)
- 3450:221, Analytical Geometry – Calculus I, II (8 cr)

### Electives: At least eight credits from the following

- 3100:331 Microbiology (4 cr)
- 3100:437 Immunology (4 cr)
- 3100:481 Advanced Genetics (3 cr)
- 3100:497 Biological Prob (repeatable for up to 4 credits)
- 3150:199 Introductory Seminar in Chemistry (1 cr)
- 3150:380, Advanced Chemistry Laboratory I, II (4 cr)*
- 3150:423, Analytical Chemistry I, II (6 cr)
- 3150:463 Advanced Organic (3 cr)
- 3150:472 Advanced Inorganic (3 cr)
- 3150:497 Honors Project (repeatable for up to 8 credits)
- 3150:499 Research Problems (repeatable for up to 8 credits)
- 9871:407 Polymer Science (4 cr)
- 3470:401 Probability and Statistics for Engineers (2 cr)

### 120 Credit Minimum

*Biochemistry majors meet the prerequisite requirements for this course

*Students should consult with their BCAS adviser for a semester by semester guide to assist with planning for course enrollment

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