CHEMISTRY MAJOR
With preparation for Secondary Teacher Certification
REQUIRES ADMISSION TO TEACHER CERTIFICATION PROGRAM

### FIRST YEAR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Fall Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADW 111</td>
<td>African Diaspora &amp; The World</td>
<td>4.0</td>
</tr>
<tr>
<td>ENG 103</td>
<td>First Year Composition</td>
<td>4.0</td>
</tr>
<tr>
<td>FYE 101</td>
<td>First Year Experience</td>
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</tr>
<tr>
<td>CHE 111</td>
<td>General Chemistry</td>
<td>3.0</td>
</tr>
<tr>
<td>CHE 111L</td>
<td>General Chemistry Lab</td>
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</tr>
<tr>
<td>CHE 111R</td>
<td>Gen. Chemistry I Lab Recitation</td>
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</tr>
<tr>
<td>MATH 116 or 120</td>
<td>Precalculus</td>
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**TOTAL CREDIT HOURS** 18.0

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Fall Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ADW 112</td>
<td>African Diaspora &amp; The World</td>
<td>4.0</td>
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<tr>
<td>MATH 231</td>
<td>Calculus I</td>
<td>4.0</td>
</tr>
<tr>
<td>CHE 112</td>
<td>General Chemistry</td>
<td>3.0</td>
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<td>CHE 112L</td>
<td>General Chemistry Lab</td>
<td>1.0</td>
</tr>
<tr>
<td>CHE 112R</td>
<td>Gen. Chemistry I Lab Recitation</td>
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<tr>
<td>CIS 111</td>
<td>Discovering Computer Science</td>
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<tr>
<td>FYE 102</td>
<td>First Year Experience</td>
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</tr>
<tr>
<td>Health and Physical Education</td>
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**TOTAL CREDIT HOURS** 18.0

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Fall Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CHE 231</td>
<td>Organic Chemistry I</td>
<td>4.0</td>
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<tr>
<td>CHE 233L</td>
<td>Organic Chemistry I Lab</td>
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<tr>
<td>CHE 233R</td>
<td>Organic Chemistry I Rec.</td>
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<tr>
<td>MATH 232</td>
<td>Calculus II</td>
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</tr>
<tr>
<td>SYE 101</td>
<td>Sophomore Year Experience</td>
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</tr>
<tr>
<td>EDU 206</td>
<td>Orientation to Education^</td>
<td>4.0</td>
</tr>
<tr>
<td>World Language 201</td>
<td></td>
<td>4.0</td>
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**TOTAL CREDIT HOURS** 18.0

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Fall Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHE 232</td>
<td>Organic Chemistry II</td>
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<tr>
<td>CHE 234L</td>
<td>Organic Chemistry II Lab</td>
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<td>CHE 234R</td>
<td>Organic Chemistry II Rec.</td>
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<tr>
<td>PHY 151</td>
<td>Physics I: Mechanics &amp; Lab</td>
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<tr>
<td>SYE 102</td>
<td>Sophomore Year Experience</td>
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<tr>
<td>PSY 304</td>
<td>Adolescent Psychology</td>
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**TOTAL CREDIT HOURS** 18.0

### JUNIOR YEAR

<table>
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<th>Fall Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDU 304</td>
<td>Educational Psychology^</td>
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<tr>
<td>EDU 316</td>
<td>Exceptional Learners^</td>
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<tr>
<td>CHE 345</td>
<td>Physical Chemistry</td>
<td>3.0</td>
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<tr>
<td>PHY 241</td>
<td>Physics II: Elec/Mag &amp; Lab</td>
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<td>Humanities Division Requirement</td>
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**TOTAL CREDIT HOURS** 19.0

<table>
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<tr>
<th>Course Number</th>
<th>Fall Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CHE 345</td>
<td>Physical Chemistry</td>
<td>3.0</td>
</tr>
<tr>
<td>PHY 241</td>
<td>Physics II: Elec/Mag &amp; Lab</td>
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<tr>
<td>World Language 202</td>
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**TOTAL CREDIT HOURS** 16.0

### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Fall Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHE 301</td>
<td>Analytical Chemistry Lecture</td>
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<tr>
<td>CHE 301</td>
<td>Analytical Lab Elective</td>
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<tr>
<td>CHE 429</td>
<td>Senior Seminar</td>
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<tr>
<td>CHE 421</td>
<td>Inorganic Chemistry Lecture</td>
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<tr>
<td>CHE 421L</td>
<td>Inorganic Chemistry Lab</td>
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<td>Chemistry Elective w/Lab</td>
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<tr>
<td>EDU 451</td>
<td>Seminar I Student Teaching^</td>
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**TOTAL CREDIT HOURS** 15.0

<table>
<thead>
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<th>Fall Semester</th>
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<tbody>
<tr>
<td>EDU 452</td>
<td>Seminar II St. Teaching^</td>
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<tr>
<td>EDU 458</td>
<td>Student Teaching Secondary^</td>
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**TOTAL CREDIT HOURS** 15.0

^Field or clinical Experience Required

**TOTAL CREDIT HOURS** 137