EDINBORO UNIVERSITY OF PENNSYLVANIA  
Bachelor of Science in Education  
Secondary Education – Chemistry (0233)  

(Suggested Eight-Semester Course Sequence)  

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Fall</strong></td>
</tr>
<tr>
<td>ENGL 101  College Writing</td>
<td>SEDU 271  Multicult. American Schools (Core 5)</td>
</tr>
<tr>
<td>MATH 107  Pre-Calculus</td>
<td>CHEM 341  Biochemistry</td>
</tr>
<tr>
<td>PSYC 101  General Psychology (Core 4)</td>
<td>GEOS 101  Dynamic Earth</td>
</tr>
<tr>
<td>CHEM 240  Principles of CHEM I (Core 7)</td>
<td>PHYS 201  Physics I</td>
</tr>
<tr>
<td>Core 1  Artistic Expression (literature)</td>
<td>MATH 211  Analytical Geometry &amp; Calc I (D-3)</td>
</tr>
<tr>
<td>Freshman Common Hour</td>
<td></td>
</tr>
<tr>
<td><strong>Total 17 SH</strong></td>
<td><strong>Total 18 SH</strong></td>
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<tr>
<td><strong>Spring</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td>ENGL 102  Writing and Research</td>
<td>PHYS 202  Physics II</td>
</tr>
<tr>
<td>SEDU 183  Tech for Teach/Learn</td>
<td>SPED 210  Intro to Except.</td>
</tr>
<tr>
<td>Core 2  World Civilization (any)</td>
<td>MATH 212  Analytical Geometry &amp; Calc II</td>
</tr>
<tr>
<td>CHEM 241  Principles of Chemistry II</td>
<td>CHEM 310  Quantitative Analysis</td>
</tr>
<tr>
<td>CHEM 280  Laboratory Safety</td>
<td>Core 3  American Civilization (any)</td>
</tr>
<tr>
<td><strong>Total 14 SH</strong></td>
<td><strong>Total 18 SH</strong></td>
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<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Senior Year</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Fall</strong></td>
</tr>
<tr>
<td>CHEM 330  Organic Chemistry I</td>
<td>SEDU 306  Content Literacy Mid/Sec Sch</td>
</tr>
<tr>
<td>CHEM 530  Physical Chemistry I</td>
<td>SEDU 381  Assessment Mid/Secondary</td>
</tr>
<tr>
<td>MATH 260  Elements of Statistics</td>
<td>SEDU 472  Instructional Techniques</td>
</tr>
<tr>
<td>Core 6  Ethics (any)</td>
<td>SEDU 476  Field Exp Mid/Sec Education</td>
</tr>
<tr>
<td>Distribution 1  Humanities and Fine Arts (any)</td>
<td>SPED 370  Adap and Accom Inclusive Clrm</td>
</tr>
<tr>
<td><strong>Total 17 SH</strong></td>
<td><strong>Total 15 SH</strong></td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td>CHEM 331  Organic Chemistry II</td>
<td>SEDU 495  Student Teaching</td>
</tr>
<tr>
<td>CHEM 531  Physical Chemistry II</td>
<td>SEDU 491  Prof. Perf. Mid/Sec Clrm</td>
</tr>
<tr>
<td>Distribution 2  Social and Behavioral</td>
<td></td>
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<tr>
<td>SEDU 350  Theories and Practices in Secondary Education</td>
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</tr>
<tr>
<td><strong>Total 14 SH</strong></td>
<td><strong>Total 15 SH</strong></td>
</tr>
</tbody>
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(Revised: September 2012; Approved: March 2013)  
(Effective: Summer 2013) (Printed: January 2014)