# Program of Preparing Secondary School Teachers of GENERAL SCIENCE

(Effective for Class of 2018)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ACS 1000</td>
<td>3</td>
<td>MSE Astronomy &amp; Lab</td>
<td>4 EDU 2201/2202 Social Foundations 3</td>
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<tr>
<td>ACS 1001</td>
<td>3</td>
<td>MSE Astronomy &amp; Lab</td>
<td>4 EDU 2300 Research Seminar 3</td>
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<tr>
<td>Intermediate Language I &amp; II (or higher level)*</td>
<td>6</td>
<td>BIO 2105 Gen. Bio. I</td>
<td>4 EDU 3000 Prof. Dev. In Education 1</td>
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<tr>
<td>ENG</td>
<td>3</td>
<td>BIO 2106 Gen. Bio. II</td>
<td>4 EDU 3251 Psych of Learn &amp; Teach 3</td>
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<tr>
<td>ENG Soph. Lit. &amp; Writing</td>
<td>3</td>
<td>BIO 3351 Genetics</td>
<td>3 EDU 3263 Diversity &amp; Incl. 3</td>
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<td>THL 1000</td>
<td>3</td>
<td>BIO 4485 Marine Biology</td>
<td>4 EDU 3264 Disability Studies 3</td>
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<tr>
<td>Advanced Humanities (Theology)</td>
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<td>BIO 3255 Intro Ecology</td>
<td>4 EDU 4245 Lit &amp; Eng Lang Learning 3</td>
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<td>PHI 1000</td>
<td>3</td>
<td>CHM 1131/1103 Gen. Chem. I &amp; Lab</td>
<td>4 EDU 4284 Meth. of Teaching Sci. 3</td>
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<tr>
<td>Fine Arts</td>
<td>3</td>
<td>CHM 1132/1104 Gen. Chem. II/Lab</td>
<td>4 EDU 4290 Philosophy of Education+ 3</td>
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<td>Core History</td>
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<td>PHYS 1100/1101 Gen. PhysicsI/lab</td>
<td>4 EDU 4292 Seminar 3</td>
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<td>ETH 2050 Ethics</td>
<td>3</td>
<td>PHYS 1102/1103 Gen. PhysicsII/lab</td>
<td>4 EDU 4291 Student Teaching 9</td>
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<tr>
<td>Two Elective Courses</td>
<td>6</td>
<td>GEO 5100 Res. Management &amp; Consv.</td>
<td>3 Total Education Credits 37</td>
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</table>

**Total Core Program Credits** 48

**TOTAL SPECIALIZATION CREDITS** 46

Individuals seeking initial Instructional I certification in Pennsylvania must pass the state-required examinations. Information concerning the examinations may be obtained in the office of the Department of Education and Counseling.

**Total Required Credits** 131

**Mathematics & Science**
MAT 1310-1315 Calc of Life Sciences I & II 6

**Total Core Program Credits** 48