Articulation Agreement

Hudson Valley Community College  
Environmental Science  
Associate in Science

and

State University of New York  
College at Plattsburgh  
Ecology  
Bachelor of Science

Spring 2008
Hudson Valley Community College  
Environmental Science – Associate in Science

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Title</th>
<th>Cr. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MAJOR REQUIREMENTS</td>
<td></td>
</tr>
<tr>
<td>BIOL102</td>
<td>Orientation to Environmental Studies</td>
<td>1</td>
</tr>
<tr>
<td>BIOL150</td>
<td>General Biology I</td>
<td>4</td>
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<tr>
<td>BIOL151</td>
<td>General Biology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL210</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL215</td>
<td>Environmental Science</td>
<td>4</td>
</tr>
<tr>
<td>CHEM110</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM111</td>
<td>General Chemistry II</td>
<td>4</td>
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<tr>
<td>ENGL101</td>
<td>English Composition I</td>
<td>3</td>
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<tr>
<td>ENGL104</td>
<td>English Composition II: Writing About Lit.</td>
<td>3</td>
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<tr>
<td>MATH150</td>
<td>College Algebra and Trigonometry</td>
<td>4</td>
</tr>
<tr>
<td>PHYS145</td>
<td>Introductory Geology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>(1) Restricted Electives</td>
<td>8-9</td>
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<tr>
<td></td>
<td>(2) Restricted Lab Science Electives</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Social Science/Humanities</td>
<td>6</td>
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<tr>
<td></td>
<td><strong>Total Credits Required</strong></td>
<td><strong>61-62</strong></td>
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</table>

(1) Restricted Electives – Recommended courses in computers, economics, geography, mathematics, political science or statistics

(2) Restricted Lab Science Electives – Recommended courses – BIOL206 Field Biology, BIOL241 Vertebrate Zoology, BIOL252 The Biology of Birds, BIOL290 General Microbiology, CHEM205 Analytical Chemistry, PHYS140 Physics I, PHYS146 Evolution of the Earth

Plattsburgh’s Recommendations:

1. From the Restricted Electives, a course in statistics and one to prepare for calculus.

Course Equivalencies

<table>
<thead>
<tr>
<th>Hudson Valley Community College</th>
<th>SUNY Plattsburgh</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL102 Orientation to Env. Stdies</td>
<td>BIOXXX Biology Elective</td>
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<tr>
<td>BIOL106 Biology</td>
<td>BIO101 General Biology I</td>
</tr>
<tr>
<td>BIOL150 General Biology I</td>
<td>BIO101 General Biology I</td>
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<tr>
<td>BIOL151 General Biology II</td>
<td>BIO102 General Biology II</td>
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<tr>
<td>BIOL210 Ecology</td>
<td>BIO304 Ecology</td>
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<tr>
<td>BIOL215 Environmental Science</td>
<td>ENV101 Environmental Science</td>
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<td>CHEM110 General Chemistry I</td>
<td>CHE111 Fund Prin of Chemistry I</td>
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<tr>
<td>CHEM111 General Chemistry II</td>
<td>CHE112 Fund Prin of Chemistry II</td>
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<tr>
<td>ENGL101 English Composition I</td>
<td>ENG101 Composition</td>
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</table>
ENGL104 English Comp II: Wr. Lit.  ENGXXX English Elective
MATH150 College Algebra & Trig  MATXXX Math Elective
PHYS145 Introductory Geology  GEL101 Physical Geology

SUNY General Education Categories
Basic Communication  Satisfied at Hudson Valley
Math  Satisfied at Hudson Valley
Humanities  Satisfied at Hudson Valley
Natural Science  Satisfied at Hudson Valley
Social Science  To be taken at Hudson Valley or Plattsburgh
American History  To be taken at Hudson Valley or Plattsburgh
Western Civilization  To be taken at Hudson Valley or Plattsburgh
Other World Civilization  To be taken at Hudson Valley or Plattsburgh
Arts  To be taken at Hudson Valley or Plattsburgh
Foreign Language  To be taken at Hudson Valley or Plattsburgh
Note: Plattsburgh’s Foreign Language Requirement is satisfied by an elementary part II or higher course.

Courses to be completed at SUNY Plattsburgh

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIO205</td>
<td>Plant and Fungal Biology (3 cr.)</td>
<td>OR</td>
</tr>
<tr>
<td>BIO221</td>
<td>General Zoology</td>
<td>3-4</td>
</tr>
<tr>
<td>BIO208</td>
<td>Evolution (3 cr.)</td>
<td>OR</td>
</tr>
<tr>
<td>BIO305</td>
<td>Genetics (4 cr.)</td>
<td>3-4</td>
</tr>
<tr>
<td>ENV336</td>
<td>Population and Community Ecology (3 cr.)</td>
<td>OR</td>
</tr>
<tr>
<td>ENV462</td>
<td>Ecosystem Ecology</td>
<td>3</td>
</tr>
<tr>
<td>ENV340</td>
<td>Seminar in Environmental Science</td>
<td>3</td>
</tr>
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Advanced Ecology: (15-18 cr.)
Organismal/Population/Community Ecology (6 cr.)  6
Select two of the following:
BIO329 Animal Behavior
ENV330 Wildlife Ecology and Management
ENV332 Plant Ecology
Gel335 Extinction
ENV337 Field Ecology
ENV336 Population and Community Ecology*
BIO481 Conservation Biology

Ecosystems Ecology: (6-8 cr.)  6-8
Select two of the following:
ENV329 Environmental Management (3 cr.)
ENV338 Forest Ecology and Management (4 cr.)
ENV339 Wetlands Ecology and Management (3 cr.)
ENV370 Introduction to Soil Science (4 cr.)
ENV431 Freshwater Ecology (4 cr.)
ENV433 River Ecology (3 cr.)
ENV462 Ecosystems Ecology * (3 cr.)
Ecology Elective (3-4 cr.)  3-4
Any course from the Organismal or Ecosystem categories above OR
ENV480  Advanced Topics in Ecology (3 cr.)
Elective Courses in Area of Specialization: (6-8 cr.)  6-8
Select two of the following:
ENV350  Intro to Geographic Info Systems (3 cr.)
ENV355  Remote Sensing (3 cr.)
GEL341  Geomorphic Processes (3 cr.)
GEL343  Hydrology (4 cr.)
GEL346  Environmental Geology (3 cr.)
CHE371  General Biochemistry (4 cr.) OR
CHE401  Biochemistry I (3 cr.)
BIO411  Plant Physiology (4 cr.) OR
BIO421  Principles of Animal Physiology (4 cr.)
ENV413  Biogeochemical Cycling (3 cr.)
ENV499  Independent Study (3 cr.)
Cognate Requirements:
MAT221  Calculus for Life Mgt & Soc Sci I  3
Select one of the following: (3-4 cr.)  3-5
MAT222  Calculus for Life Mgt & Soc Sci II (3 cr.)
CHE240  Fund of Organic Chemistry (5 cr.)
CHE241  Organic Chemistry I (4 cr.)
CHE271  Intro to Organic and Biochemistry (4 cr.)

SUNY General Education (Unless taken at Hudson Valley):
Foreign Language (Level I)  0-3
Other World Civilization (World Systems)  0-3
Social Science  0-3
American History  0-3
Western Civilization  0-3
Arts  0-3
SUNY Plattsburgh Integration Requirements:
Select one course from the categories:
Global Issues  3
Critical Perspectives on the Arts OR
Individual, Society and Responsibility  3
Other Plattsburgh General Education:
Foreign Language (Level II)  3
LIB102/105  Intro. to Information Management  1

TOTAL CREDITS REMAINING AT PLATTSBURGH
S.U.N.Y. – General Education  9
Plattsburgh – General Education  10
Environmental Science Major  49-54
Total Credits Required  68-73