

**Liberal Arts and Science: Mathematics and Science**  
*Adirondack Community College*  
**Articulated to**  
**Biology with an Ecology and Field Biology Track**  
*College at Oneonta*

**Oneonta Equivalencies**

**First Semester**

HRD Freshman Experience	1-4sh
ENG 101 Writing I	3sh
BIO 111 General Zoology	4sh
MAT 127 Intro to Statistics	4sh
SUNY Gen Ed US History	3sh
PED Physical Education	1sh

**16-19sh**

**Second Semester**

ENG 102-110 Writing II	3sh
BIO 112 General Botany	4sh
SUNY Gen Ed Social Science	3sh
MAT 131 Calculus I	4sh
PED Physical Education	1sh

**15sh**

**Third Semester**

SUNY Gen Ed Western Civilization	3sh
SUNY Gen Ed Social Science	3sh
CHM 111 General Chemistry I	4sh
BIO 205 General Ecology	4sh
SUNY Foreign Language Course	3sh

**17sh**

**Fourth Semester**

SUNY Gen Ed Arts Course	3sh
SUNY Gen Ed Humanities Course	3sh
CHM 112 General Chemistry II	4sh
BIO 212 Genetics	4sh

**14sh**

**First Semester**

Elective Credit	1-4sh
COMP 100 Composition	3sh
BIOL 100 General Biology I	4sh
STAT 101 Intro to Statistics	4sh
US History Gen Ed Met	3sh
Physical Education Elective	1sh

**Second Semester**

COMP 200 Advanced Composition	3sh
BIOL 105 General Biology II	4sh
Social Science Gen Ed Met	3sh
MATH 173 Calculus I	4sh
Physical Education Elective	1sh

**Third Semester**

Western Civilization Gen Ed Met	3sh
Social Science Gen Ed Met	3sh
CHEM 111 General Chemistry I	4sh
BIOL 282 General Ecology	4sh
Foreign Language Gen Ed Met	3sh

**Fourth Semester**

Arts Gen Ed Met	3sh
Humanities Gen Ed Met	3sh
CHEM 112 General Chemistry II	4sh
BIOL 212 General Genetics	4sh

Students following the above outline would have to complete the following coursework at Oneonta State College upon transfer:

Oneonta General Education	6sh
BIOL 362 Microbiology	4sh
BIOL 370 General Physiology	3sh

*Field Experience Complete one:*

BIOL 294, BIOL 299, BIOL 333, BIOL 338, BIOL 384, BIOL 394, BIOL 397, BIOL 399	3-15sh
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*Major Field Electives Complete five:*

BIOL 216 BIOL 220 BIOL 236 BIOL 242 BIOL 250 BIOL 259 BIOL 333 BIOL 338 BIOL 356 BIOL 367 BIOL 381 BIOL 384 BIOL 385 BIOL 386 OCEA 210	15-20sh
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*Complete one of the following:*

BIOL 333 BIOL 338 BIOL 356 BIOL 367 BIOL 381 BIOL 384 BIOL 385 BIOL 386	3-4sh
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*Complete one of the following options:*

CHEM 221 and CHEM 322 <b>OR</b> CHEM 226 and CHEM 330	8sh
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*Complete one of the following courses:*

PHYS 103 General Physics I (non-calc) PHYS 203 General Physics I	3-4sh
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*Complete one of the following courses:*

CSCI 100 Intro Computing Tech CSCI 116 Fund. of Programming	3sh
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**REQUIRED 48-67 SEMESTER  
HOURS+ ELECTIVE CREDIT TO  
REACH 122 MINIMUM CREDITS  
FOR GRADUATION**

### **Fifth Semester**

BIOL 384 Aquatic Biology	4sh
BIOL 216 Evolution	3sh
Oneonta General Education	3sh
CHEM 221	4sh
	<b>14sh</b>

### **Sixth Semester**

PHYS 103 General Physics I noncalc	3sh
BIOL 220 Economic Botany	3sh
BIOL 367 Aquatic Pollution	3sh
CHEM 322	4sh
Elective Credit	4sh
	<b>17sh</b>

### **Seventh Semester**

BIOL 362 Microbiology	4sh
BIOL 236 Vascular Plants	3sh
BIOL 259 Marine Biology	3sh
CSCI 116 Fund. of Programming	3sh
	<b>13sh</b>

### **Eighth Semester**

BIOL 370 General Physiology	3sh
BIOL 242 Invertebrate Zoology	4sh
Oneonta General Education	3sh
Elective Credit	4sh
	<b>14sh</b>

The previous schedule shows how the requirements for the BS in Biology with an Ecology and Field Biology Track may be met in eight semesters when transferring from Adirondack Community College with an Associates degree in Liberal Arts and Sciences: Mathematics and Science. This schedule is an example of one of many possible different schedules. It is included only as an illustration of the type of schedule that might be followed by a full time student. **All students should consult their advisors when they plan their schedules at Adirondack Community College and then at Oneonta State College upon transfer.**