

**Liberal Arts and Science: Mathematics and Science**  
**Adirondack Community College**  
**Articulated to**  
**Water Resources**  
**College at Oneonta**

**Oneonta Equivalencies**

**First Semester**

HRD Freshman Experience	1-2sh
ENG 101 Writing I	3sh
GEO 101 Physical Geology	4sh
MAT 131 Calculus I	4sh
SUNY Gen Ed US History	3sh
PED Physical Education	1sh

**16-17sh**

**Second Semester**

ENG 102-110 Writing II	3sh
GEO 102 Historical Geology	4sh
SUNY Gen Ed Social Science	3sh
MAT 132 Calculus II	4sh
PED Physical Education	1sh

**15sh**

**Third Semester**

SUNY Gen Ed Social Science	3sh
EGR 105 or PHY 111	4sh
CHM 111 General Chemistry I	4sh
GEO 114 Climate and Weather	3sh
SUNY Foreign Language Course	3sh

**17sh**

**Fourth Semester**

SUNY Gen Ed Western Civilization	3sh
SUNY Gen Ed Arts Course	3sh
SUNY Gen Ed Humanities Course	3sh
CHM 112 General Chemistry II	4sh
EGR 106 or PHY 112	4sh

**17sh**

**First Semester**

Elective Credit	1-2sh
COMP 100 Composition	3sh
GEOL 120 Intro to Geology	4sh
MATH 173 Calculus I	4sh
US History Gen Ed Met	3sh
Physical Education Elective	1sh

**Second Semester**

COMP 200 Advanced Composition	3sh
GEOL 220 Historical Geology	4sh
Social Science Gen Ed Met	3sh
MATH 174 Calculus II	4sh
Physical Education Elective	1sh

**Third Semester**

Social Science Gen Ed Met	3sh
PHYS 103 or PHYS 203	4sh
CHEM 111 General Chemistry I	4sh
METR 110 Intro Meteorology	3sh
Foreign Language Gen Ed Met	3sh

**Fourth Semester**

Western Civilization Gen Ed Met	3sh
Arts Gen Ed Met	3sh
Humanities Gen Ed Met	3sh
CHEM 112 General Chemistry II	4sh
PHYS 104 or PHYS 204	4sh

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

Oneonta General Education	6sh
GEOL 201 Environmental Geology	3sh
GEOL 222 Map & Field Geology	2sh
GEOL 370 Geomorphology	3sh
GEOL 374 Glaciology Glacial Geol.	3sh
GEOL 382 Intro to Hydrology	3sh
GEOL 384 Watershed Management	3sh
GEOL 386 Geochem Natural Waters	3sh
GEOL 388 Applied Hydrology	3sh
<i>Complete two of the following:</i>	
BIOL 385 Limnology	
CHEM 315 Environmental Health Chem	
ESCI 290 Waste Management	
GEOL 330 Structural Geology	
GEOL 360 Sedimentary Geology	
GEOL 380 Geophysics	
GEOL 389 Groundwater Model	6-8sh
BIOL 286 Intro Env. Pollution	3sh
CHEM 214 Environmental Chem.	3sh
Hydro field trip	0sh
Geology field trip	0sh
(at least a two-day duration)	

**REQUIRED 41-43 SEMESTER  
HOURS+ ELECTIVE CREDIT TO  
REACH 122 MINIMUM CREDITS  
FOR GRADUATION**

### **Fifth Semester**

GEOL 201 Environmental Geology	3sh
GEOL 222 Map & Field Geology	2sh
CHEM 214 Environmental Chem.	3sh
Oneonta General Education	3sh
Elective Credit	3sh
	<b>14sh</b>

### **Sixth Semester**

GEOL 370 Geomorphology	3sh
GEOL 382 Intro to Hydrology	3sh
BIOL 286 Intro Env. Pollution	3sh
Oneonta General Education	3sh
Elective Credit	3sh
	<b>15sh</b>

### **Seventh Semester**

GEOL 374 Glaciology Glacial Geol.	3sh
GEOL 384 Watershed Management	3sh
BIOL 385 Limnology	3sh
Upper Division Elective	3sh
Elective Credit	3sh
	<b>15sh</b>

### **Eighth Semester**

GEOL 386 Geochem Natural Waters	3sh
GEOL 388 Applied Hydrology	3sh
ESCI 290 Waste Management	3sh
Upper Division Elective	3sh
Elective Credit	3sh
	<b>15sh</b>

The previous schedule shows how the requirements for the BS in Water Resources 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.**