## Liberal Arts and Science: Mathematics and Science

*Adirondack Community College*

*Articulated to Earth Science*

*College at Oneonta*

### First Semester
- HRD Freshman Experience: 1-4sh
- ENG 101 Writing I: 3sh
- GEO 101 Physical Geology: 4sh
- MAT 127 Statistics & Prob.: 4sh
- SUNY Gen Ed US History: 3sh
- PED Physical Education: 1sh

**Total:** 16-19sh

### Second Semester
- ENG 102-110 Writing II: 3sh
- GEO 102 Historical Geology: 4sh
- SUNY Gen Ed Social Science: 3sh
- MAT 123 or MAT 131: 4sh
- PED Physical Education: 1sh

**Total:** 15sh

### Third Semester
- SUNY Gen Ed Social Science: 3sh
- EGR 105 or PHY 111: 4sh
- CHM 111 General Chemistry: 4sh
- SUNY Foreign Language Course: 3sh

**Total:** 14sh

### 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

**Total:** 17sh

### Oneonta Equivalencies

#### First Semester
- Elective Credit: 1-4sh
- COMP 100 Composition: 3sh
- GEOL 120 Intro to Geology: 4sh
- STAT 101 Intro to Statistics: 4sh
- US History Gen Ed Met: 3sh
- Physical Education Elective: 1sh

**Total:** 16-19sh

#### Second Semester
- COMP 200 Advanced Composition: 3sh
- GEOL 220 Historical Geology: 4sh
- Social Science Gen Ed Met: 3sh
- MATH 105 or MATH 173: 4sh
- Physical Education Elective: 1sh

**Total:** 15sh

#### Third Semester
- Social Science Gen Ed Met: 3sh
- PHYS 103 or PHYS 203: 4sh
- CHEM 111 General Chemistry I: 4sh
- Foreign Language Gen Ed Met: 3sh

**Total:** 14sh

#### 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

**Total:** 17sh
Students following the above outline would have to complete the following coursework at Oneonta State College upon transfer:

**Oneonta General Education**  6sh  
ASTR 271 Stars and Galaxies 3sh  
OCEA 210 General Oceanography 3sh  
*Complete one of the following:*  
GEOL 222 Map & Field Geology  
ESCI 315 Lab Techniques Earth Sci. 2sh  
*Complete one of the following:*  
GEOL 214 Igneous & Metamorphic Petrology  
GEOL 242 Principles of Mineralogy 3-4sh  
*Complete one of the following:*  
GEOL 370 Geomorphology  
GEOL 382 Intro to Hydrology 3sh  
*Complete one of the following:*  
GEOL 201 Environmental Geology  
GEOL 230 Mineral Resources  
METR 205 Atmospheric Environment 3sh  
*Complete one of the following:*  
METR 212 Intro to Climatology  
ASTR 270 Our Solar System 3sh  
Additional Science Course 3sh  

**REQUIRED 29-30 SEMESTER HOURS + ELECTIVE CREDIT TO REACH 122 MINIMUM CREDITS FOR GRADUATION**

**Fifth Semester**  
ASTR 271 Stars and Galaxies 3sh  
GEOL 222 Map & Field Geology 2sh  
Oneonta General Education 3sh  
Upper Division Elective 3sh  
Elective Credit 4sh  
**15sh**

**Sixth Semester**  
OCEA 210 General Oceanography 3sh  
GEOL 370 Geomorphology 3sh  
Oneonta General Education 3sh  
Upper Division Elective 3sh  
Upper Division Elective 3sh  
**15sh**

**Seventh Semester**  
GEOL 242 Principles of Mineralogy 3sh  
METR 212 Intro to Climatology 3sh  
Upper Division Elective 3sh  
Upper Division Elective 3sh  
Elective Credit 3sh  
**15sh**

**Eighth Semester**  
GEOL 201 Environmental Geology 3sh  
Additional Science Course 3sh  
Upper Division Elective 3sh  
Upper Division Elective 3sh  
Elective Credit 3sh  
**15sh**

The previous schedule shows how the requirements for the BS in Earth Science 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.