

3. A Bachelor of Science with the major in Geology will be awarded upon meeting the following:
  - a. Satisfactory completion of a minimum of 120 credit hours.
  - b. A minimum grade point average of 2.0.
  - c. A minimum grade of "C" in standard freshman composition (Suffolk's ENG101).
  - d. A minimum overall GPA of 2.0 in all geology (GEL) courses.
  - e. A minimum of 45 credit of upper-division, 300-400 level courses, with 21 of the upper-division credits being completed in residence at Plattsburgh.
  - f. The departmental residency requirement is a minimum of 18 major (GEL) credits completed at Plattsburgh.
  - g. The residency requirement is 36 credit hours completed at Plattsburgh.
  - h. Completion of 60 credits in liberal arts for a Bachelor of Science.
  - i. Completion of general education.
  - j. Completion of all major requirements.
  - k. Students must complete 30 of their last 36 credits in residence.
4. Suffolk County Community College and SUNY Plattsburgh will disseminate information about this articulation agreement.
5. Changes in this agreement can be made at any time by mutual consent.
6. This agreement will remain in effect for three years. The agreement can be terminated by either party prior to this date. Termination would require a minimum of six months notification.

Suffolk County Community College  
 Liberal Arts and Sciences: Science Emphasis  
 Associate in Science (A.S.)  
 Geology Option

<u>Catalog#</u>	<u>Course Title</u>	<u>Credit Hours</u>
<b>First Semester: 16 credits</b>		
CHE133	College Chemistry I	4
COL101	College Seminar	1
ENG101	Standard Freshman Composition	3
ESC101	Introduction to Geology	4
	Humanities Elective	3
	Physical Education	1
<b>Second Semester: 17 credits</b>		
CHE134	College Chemistry II	4
ENG102	Introduction to Literature	3
HIS101	Western Civilization I <b>or</b>	3
HIS102	Western Civilization II <b>or</b>	
HIS107	Modern World History	
	Humanities Elective	3
MAT141	Calculus with Analytical Geometry I	4

<b>Third Semester: 15 credits</b>		
ESC102	Evolution of Earth and Life	4
HIS103	Foundations of American History <b>or</b>	3
HIS104	Modern American History <b>or</b>	
HIS118	Major World Cultures <b>or</b>	
HIS119	The Far Eastern World <b>or</b>	
HIS120	History of Religion	
MAT142	Calculus with Analytical Geometry II	4
PHY130/132	Physics I	4

<b>Fourth Semester: 14-15 credits</b>		
	Liberal Arts and Science Electives	3-4
	Social Science Elective	3
	Humanities Elective	3
PHY230/232	Physics II	4
	Physical Education	1

**TOTAL CREDITS REQUIRED: 62-63**

This A.S. degree program requires courses that meet 7 of the 10 SUNY General Education competencies and a minimum of 30 credits of general education coursework.

### Course Equivalencies:

<u>Suffolk County Community College</u>		<u>SUNY Plattsburgh</u>	
CHE133	College Chemistry I	CHE111	Fund Prin of Chemistry I
CHE134	College Chemistry II	CHE112	Fund Prin of Chemistry II
ENG101	Standard Freshman Composition	ENG101	College Writing II
ENG102	Introduction to Literature	ENG195	Intro to Literary Study I
ESC101	Introduction to Geology	GEL101	Physical Geology
ESC102	Evolution of Earth and Life	GEL102	Evolution of the Earth
HIS101	Western Civilization I	HIS121	European Civ to 1815
HIS102	Western Civilization II	HIS122	European Civ since 1815
HIS103	Foundtns of American History	HIS101	U.S. Civil to 1877
HIS104	Modern American History	HIS102	U.S. Civil since 1877
HIS107	Modern World History	HIS132	Modern Global History
HIS118	Major World Cultures	HIS1xx	History Elective
HIS119	The Far Eastern World	HIS181	East Asian Civilization
HIS120	History of Religion	HIS1xx	History Elective
MAT141	Calculus with Anly Geometry I	MAT224	Calculus I
MAT142	Calculus with Anly Geometry II	MAT225	Calculus II
PHY130/132	Physics I	PHY111	General Physics I
PHY230/232	Physics II	PHY112	General Physics II

## Courses to be completed at SUNY Plattsburgh:

### General Education

Students enrolling at SUNY Plattsburgh with 7 of the 10 SUNY General Education areas completed and have at least 30 SUNY General Education credits, will have satisfied the SUNY General Education portion of their Plattsburgh degree requirements. The only remaining General Education course needed will be the Plattsburgh requirement of Global Issues.

	<u>Credit Hours</u>
Global Issues	3

### SUNY Plattsburgh Geology Major Bachelor of Science (B.S.)

<u>Catalog#</u>	<u>Course Title</u>	<u>Credit Hours</u>
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#### Major Departmental Requirements:

	Required Courses:	
GEL101	Physical Geology	(SCCC's ESC101)
GEL102	Evolution of the Earth	(SCCC's ESC102)
GEL307	Geochemistry	3
GEL310	Mineral/Optical Mineralogy	4
GEL323	Igneous and Metamorphic Petrology	4
GEL324	Sedimentology	4
GEL451	Field Geology and Structures	4
GEL440	Geology Seminar	3
	Electives Courses from the following: (15 cr.)	15
ENV350	Intro to Geographic Info Systems and Mapping (3 cr.)	
ENV355	Principles of Remote Sensing (3 cr.)	
GEL305	Energy and Mineral Resources (3 cr.)	
GEL306	Atmospheric Processes (3 cr.)	
GEL335	Extinction (3 cr.)	
GEL341	Geomorphic Processes (4 cr.)	
GEL343	Hydrology (4 cr.)	
GEL346	Environmental Geotechnology (4 cr.)	
GEL441	Hydrogeology (3 cr.)	
	Total Major Departmental Credits Needed	37

**Cognate Requirements:**

CHE111	Fundamental Principles of Chemistry I	(SCCC's CHE133)
CHE112	Fundamental Principles of Chemistry II	(SCCC's CHE134)
MAT224	Calculus I	(SCCC's MAT141)
MAT225	Calculus II	(SCCC's MAT142)
PHY111	General Physics I	(SCCC's PHY130/132)
PHY112	General Physics II	(SCCC's PHY230/232)
MAT161	Introductory Statistics or	3
ENV333	Biostatistics	

**CREDITS REMAINING AT PLATTSBURGH**

Plattsburgh General Education	3
Major Departmental Requirements	37
Cognate Requirements	3
Electives	14-15
TOTAL	57-58