

3. A Bachelor of Science with the major in Ecology 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 major departmental 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 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.)
 Biology Option

Catalog#	Course Title	Credit Hours
First Semester: 17 credits		
BIO150	Modern Biology I	4
CHE133	College Chemistry I	4
COL101	College Seminar	1
ENG101	Standard Freshman Composition	3
MAT141	Calculus and Analytical Geometry I	4
	Physical Education	1
Second Semester: 19 credits		
BIO152	Modern Biology II	4
CHE134	College Chemistry II	4
ENG102	Introduction to Literature	3
	Humanities Elective	3
MAT142	Calculus with Analytical Geometry II	4
	Physical Education	

Third Semester: 16-19 credits

Restricted Biology Elective	4
History Elective	3
Humanities Elective	3
PHY130/2 Physics I or	
PHY101 College Physics I or	
CHE250 Organic Chemistry I	4-5
Social Science Elective	3

Fourth Semester: 16-19 credits

2 Liberal Arts and Science Electives	6-8
PHY230/2 Physics II or	
PHY102 College Physics II or	
CHE251 Organic Chemistry II	4-5
Humanities Elective	3
Social Science Elective	3

TOTAL CREDITS REQUIRED: 69-73

Restricted biology elective to be selected from BIO210, BIO262, BIO270 or BIO272.

History elective to be selected from: HIS101, HIS102, HIS103, HIS104, HIS107, HIS118, HIS119 or HIS120.

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.

Plattsburgh Recommendation

BIO210 Field Biology & Ecology and BIO262 Genetics are required.

Course Equivalencies:Suffolk County Community College

BIO150	Modern Biology I
BIO152	Modern Biology II
BIO210	Field Biology & Ecology
BIO262	Genetics
BIO270	Embryology
BIO272	Microbiology
CHE133	College Chemistry I
CHE134	College Chemistry II
CHE250	Organic Chemistry I

SUNY Plattsburgh

BIO101	General Biology I
BIO102	General Biology II
ENV304	Ecology
BIO305	General Genetics
BIO2xx	Biology Elective
BIO203	Microbiology
CHE111	Fund Prin of Chemistry I
CHE112	Fund Prin of Chemistry II
CHE241	Organic Chemistry I

CHE251	Organic Chemistry II	CHE242	Organic Chemistry II
ENG101	Standard Freshman Composition	ENG101	College Writing II
ENG102	Introduction to Literature	ENG195	Intro to Literary Study I
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
PHY101	College Physics I	PHY103	Physics for the Life Sciences I
PHY102	College Physics II	PHY104	Physics for the Life sciences 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
Ecology Major
Bachelor of Science (B.S.)

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

1. Required Courses:

BIO101	General Biology I	(SCCC's BIO150)
BIO102	General Biology II	(SCCC's BIO152)
BIO205	Introduction to Botany or	3
BIO209	Vertebrate Zoology or	
BIO323	Invertebrate Zoology	
BIO305	Genetics or	(SCCC's BIO262)
BIO208	Evolution	

ENV304	Ecology	(SCCC's BIO210)
ENV333	Biostatistics or	3
MAT161	Introduction to Statistics	
ENV436	Population and Community Ecology* or	3
ENV462	Ecosystems Ecology*	
ENV340	Seminar in environmental Science or	3
BIO380	Communicating Biology	

2. Advanced Ecology

a. Organismal/Population/Community Ecology 6-8

Select two of the following:

BIO310	Plant Diversity and Evolution (4 cr.)
BIO329	Animal Behavior (3 cr.)
BIO345	Field Botany (3 cr.)
BIO481	Conservation Biology (3 cr.)
ENV332	Plant Ecology (3 cr.)
ENV337	Field Ecology (3 cr.)
ENV430	Wildlife Ecology and Management (4 cr.)
ENV436	Population and Community Ecology* (3 cr.)

b. Ecosystems Ecology 6-8

Select two of the following:

ENV329	Environmental Management (3 cr.)
ENV338	Forest Ecology and Management (4 cr.)
ENV370	Introduction to Soil Science (4 cr.)
ENV431	Freshwater Ecology (4 cr.)
ENV433	River Ecology (3 cr.)
ENV439	Wetlands Ecology and Management (3 cr.)
ENV462	Ecosystems Ecology* (3 cr.)

c. Ecology Electives 3-4

Any course from the Organismal or Ecosystems categories above (3-4 cr.) or:

ENV480	Advanced Topics in Ecology (3 cr.)
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3. Elective Courses in Area of Specialization: 6-8

BIO-	any 300 level course or higher
CHE-	any 200 level course or higher (if SCCC's CHE250 taken)
GEL-	any 300 level course of higher
ENV-	any 300 level course or higher

Total Major Departmental Credits Needed 33-40

*If ENV436 or ENV462 is used to satisfy a requirement in major area 1, Required Courses, it may not be used again to meet a requirement in major area 2, Advanced Ecology.

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)
	<i>Select two of the following:</i>	4
GEL101	Physical Geology	
MAT225	Calculus II	(SCCC's MAT142)
PHY103	Physics for Life Sciences I or (if SCCC's PHY101 taken)	
PHY111	General Physics I (if SCCC's PHY130/132 taken)	

CREDITS REMAINING AT PLATTSBURGH

Plattsburgh General Education	3
Major Departmental Requirements	33-40
Cognate Requirements	4
Electives	<u>6-13*</u>
TOTAL	53

*Depending on major course selection, 0-7 credits of electives must be at the 300/400 level to meet the 45 credit upper-division requirement.