

3. A Bachelor of Science with the major in Biology 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 grade of "C" in all biology (BIO) courses.
 - e. A minimum overall GPA of 2.5 in all major departmental courses.
 - f. 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.
 - g. The departmental residency requirement is a minimum of 18 major (BIO) credits completed at Plattsburgh.
 - h. The residency requirement is 36 credit hours completed at Plattsburgh.
 - i. Completion of 60 credits in liberal arts for a Bachelor of Science.
 - j. Completion of general education.
 - k. Completion of all major requirements.
 - l. 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

<u>Catalog#</u>	<u>Course Title</u>	<u>Credit Hours</u>
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.

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
 CHE251 Organic Chemistry II
 ENG101 Standard Freshman Composition
 ENG102 Introduction to Literature
 HIS101 Western Civilization I

SUNY Plattsburgh

BIO101 General Biology I
 BIO102 General Biology II
 BIO304 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
 CHE242 Organic Chemistry II
 ENG101 College Writing II
 ENG195 Intro to Literary Study 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 Biology Major Bachelor of Science (B.S.)

Catalog#	Course Title	Credit Hours
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Major Departmental Requirements:

BIO101	General Biology I	(SCCC's BIO150)
BIO102	General Biology II	(SCCC's BIO152)
BIO203	Microbiology (4 cr.) or (if SCCC's BIO272 taken)	*3-4
BIO205	Introduction to Botany (3 cr.) or	
BIO209	Vertebrate Biology (3 cr.) or	
BIO323	Invertebrate zoology (3 cr.) or	
BIO329	Animal Behavior (3 cr.)	
BIO208	Evolution	3
BIO304	Ecology (if SCCC's BIO210 taken)	*4

BIO305	General Genetics (if SCCC's BIO262 taken)	*4
BIO380	Communicating Biology (3 cr.) or	**3
BIO490	Cellular Biochemistry Research Experience (15 cr.)**	
BIO401	Cell Biology (4 cr.) or	**4
BIO490	Cellular Biochemistry Research Experience (15 cr.)**	
BIO411	Plant Physiology (4 cr.) or	
BIO421	Principles of Animal Physiology (4 cr.) or	
BIO326	Human Anatomy and Physiology I (4 cr.) and	
BIO327	Human Anatomy and Physiology II (4 cr.)***	4-8
	Biology Electives (if SCCC's BIO270 taken)	**9
	<i>BIO200 level or above. At least six credits must be BIO300 or BIO400 level courses. No more than three credits of BIO495, BIO496, or BIO499 in any combination can be counted towards the Biology Electives requirement.</i>	
	Total Major Departmental Credits Needed	30-31

Cognate Requirements:

CHE111	Fundamental Principles of Chemistry I	(SCCC's CHE133)
CHE112	Fundamental Principles of Chemistry II	(SCCC's CHE134)
PHY103	Physics for Life Sciences I (if SCCC's PHY101 taken)	or
PHY111	General Physics I (if SCCC's PHY130/132 taken)	*4
PHY104	Physics for Life Sciences II (if SCCC's PHY102 taken)	or
PHY112	General Physics II (if SCCC's PHY230/232 taken)	*4
CHE241	Organic Chemistry I (if SCCC's CHE250 taken)	*4
CHE242	Organic Chemistry II (if SCCC's CHE251 taken)	*4
CHE371	General Biochemistry (4 cr.) or	4
CHE401	Biochemistry I (3 cr.) and	
CHE481	Biochemistry Laboratory I (1 cr.)	
MAT131	Quantitative Reasoning in Basic Math (3 cr.) or	3
MAT161	Introductory Statistics (3 cr.) or	
BIO333	Biostatistics (3 cr.)****	
MAT224	Calculus I	(SCCC's MAT141)

CREDITS REMAINING AT PLATTSBURGH

Plattsburgh General Education	3
Major Departmental Requirements	30-31
Cognate Requirements	15
Electives (Upper-Division, 300-400 level)	<u>13</u>
TOTAL	61-62

Notes:

*satisfied if the equivalent course is completed at Suffolk.

**BIO495 (15 cr.) satisfies Cell Biology (BIO401, 4 cr.), Communicating Biology (BIO380, 3 cr.), Oral Expression (General Education Skills, 0 cr.), and 8 biology elective credits. General Education Oral Expression is also satisfied by having the Associate in Science degree.

***Both semesters of Human Anatomy and Physiology (BIO326 and BIO327, 8 cr.) must be taken to satisfy the physiology requirement, with the other semester used to satisfy a biology elective.

****BIO333 if used to satisfy the MAT131/MAT161/BIO333 requirement cannot also be used as a Biology Elective in the Major Departmental Requirements.

*****All electives must be upper-division, 300-400 level courses.