

SUNY Broome Transfer Planning Sheet – Biology (BIO)

The following Cortland courses are recommended by the department to complete prior to transfer. The transfer credit limit from a 2-year college is 64 credits. All classes are three (3) credits unless otherwise noted. [SUNY Transfer Path](#) courses are underlined and notated in blue.

SUNY General Education/Cortland Degree Requirements (21 credits):

1. GE 4 U.S. History & Society: HIS 200 The United States to 1877, **OR**
HIS 201 The United States since 1877
2. Any GE 6 Other World Civilizations/Contrasting Cultures
3. Any GE 7 Humanities
4. Any GE 8 The Arts
5. Any GE 9: Foreign Language**
6. CPN 100 Writing Studies I
7. CPN 101 Writing Studies II

Course I will complete at my current college:

HIS 130 OR 131

ENG 110

ENG 111

Major Requirements (26-27 credits):

1. *BIO 201 Biological Sciences I (4 cr) (will also fulfill GE 2 Natural Sciences) BIO 118
2. *BIO 202 Biological Sciences II (4 cr) BIO 117
3. *CHE 227 and 277 General Chemistry I with lab (4 cr) CHM 145 AND 145L
4. *CHE 228 and 278 General Chemistry II with lab (4 cr) CHM 146 AND 146L
5. CHE 301 Organic Chemistry (4 cr) CHM 245 AND 245L
6. MAT 121 Calculus A **OR** MAT 135 Calculus I (4 cr) MAT 146 OR 160
(will also fulfill GE 1 Quantitative Skills)
7. MAT 201 Statistics MAT 124

* Courses must be completed in order to transfer at full junior status and progress into upper division biology courses.

Electives (15-16 credits)

BIO Elective Options

BIO 412 General Ecology

BIO 212

- Students who are not prepared for calculus should take pre-calculus as an elective.
- Students are encouraged to avoid taking 100-level biology courses other than introductory biology, and to avoid taking human anatomy and physiology courses, as well as other biology courses designed for non-majors.

Total: 64

**A foreign language course at the beginning level I (101) is required for this major. Sign language is acceptable as a foreign language for this major.

Biology

School of Arts and Sciences

The program requirements pertain to the Undergraduate Catalog and are intended as a guide for academic planning. Students currently on SUNY campuses should consult their academic advisor for additional choices in general education categories when any course is recommended.

- To view all required courses for the program and Cortland's General Education courses, see the most current undergraduate [Catalog](#).
- Use the [transfer equivalency tables](#) to choose equivalents at your transfer college.
- If you plan to transfer before you complete your associate's degree, you can still earn your degree via [Reverse Transfer](#).

About Biology

As a biology major, you'll benefit from a strong, comprehensive foundation in the central areas of biology and related sciences. You also can choose from specialized study as you prepare for a variety of biology-related employment opportunities or for entry into graduate or professional schools.

Career Potential

- Biotechnology and pharmaceutical scientist
- Environmental policy analyst
- Forester and land manager
- Health care professional (nurse, physician, physical therapist)
- Water ecologist

Special Features

- Well-equipped on-campus facilities including a greenhouses, a molecular biology laboratory, tissue culture laboratories and a scanning electron microscope
- Outstanding field facilities at Hoxie Gorge 7 miles from campus and the W.H. Parks Family Outdoor Center in the heart of the Adirondacks
- Cooperative programs with SUNY Upstate Medical University, Duke University and the New York Chiropractic College
- Research opportunities with faculty

Applying to Cortland

- SUNY Cortland accepts the Common Application and the SUNY Online [application](#). Choose just one way to apply; both require a \$50 non-refundable application fee.
- If you apply to Cortland using the SUNY application, SUNY will waive the \$50 application fee for transfer students graduating with an associate degree from a SUNY or CUNY college, who apply directly to Cortland for baccalaureate programs.
- Fall applicants should apply by March 1. Spring applications should apply by November 1.
- After [applying](#), students must send transcripts from all colleges attended and a high school transcript.