

Transfer Planning Sheet (SUNY Broome) Biology (BIO), B.S.

The following SUNY 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. Transfer students who have completed SUNY General Education prior to attending SUNY Cortland will have met their General Education requirements at SUNY Cortland.

SUNY General Education/Cortland Degree Requirements (30 credits)

Course I will complete at my current college:

- Communication 1 (GEC1)*
CPN 100 Writing Studies I
- Communication 2 (GEC2)*
CPN 101 Writing Studies II
- Communication – Presentation (GECP)*
- Diversity: Equity, Inclusion & Social Justice (GEDI)*
- Humanities (GEHU)
- Social Sciences (GESS)
- The Arts (GEAR)
- US History & Civic Engagement (GEUS)
- World History & Global Awareness (GEWH)
- World Languages (GEWL)**

ENG 110

ENG 111

*Indicates required SUNY General Education Category

**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.

Major Requirements (26-27 credits):

- *BIO 201 Biological Sciences I (4 cr) (will also fulfill GE Natural Sciences*) BIO 118
- *BIO 202 Biological Sciences II (4 cr) BIO 117
- *CHE 227 and 277 General Chemistry I with lab (4 cr) CHM 145 AND 145L
- *CHE 228 and 278 General Chemistry II with lab (4 cr) CHM 146 AND 146L
- CHE 300 and 303 Organic Chemistry I with lab (4 cr) CHM 245 AND 245L
- MAT 121 Calculus A OR MAT 135 Calculus I (4 cr) MAT 146 OR 160
- MAT 201 Statistics (will also fulfill GE Mathematics*) MAT 124

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

Electives (3-4 credits)

BIO Elective Options

- BIO 412 General Ecology (4 cr) 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

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.