Transfer Planning Sheet
Biochemistry (BCH)

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

Major Requirements (34-36 credits):
* It is recommended to complete full sequences and not to transfer only one class of a two-class sequence
1. CHE 227 and 277 General Chemistry I with lab (4 cr)
2. CHE 228 and 278 General Chemistry II with lab (4 cr)
3. CHE 301 Organic Chemistry (4 cr)
4. BIO 201 Biological Sciences I (4 cr) (will also fulfill GE 2 Natural Sciences)
5. BIO 202 Biological Sciences II (4 cr)
6. PHY 201 Principles of Physics I (4 cr)
7. PHY 202 Principles of Physics II (4 cr)
8. Calculus sequence (6-8 cr) (will also fulfill GE 1 Quantitative Skills) choose:
   MAT 121 Calculus A AND MAT 122 Calculus B OR
   MAT 135 Calculus I (4 cr) AND MAT 236 Calculus II (4 cr)

Elective (4-6 credits)

Total: 64

**A foreign language course at the beginning level I (001) is required for this major. Sign language is NOT acceptable as a foreign language for this major.
Biochemistry
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 Biochemistry
A major in biochemistry provides you with a strong foundation for post-graduate study and prepares you for careers in the health sciences, including medicine, dentistry, allied health and pharmacy. You also might consider a career in business, forensics or the biotechnology and pharmaceutical industries.

Career Potential
➢ Industrial chemist
➢ Health professional
➢ Research scientist
➢ Consultant
➢ Law enforcement officer
➢ Patent attorney
➢ State and federal agency scientist and policy maker

What Will I Learn?
➢ Your required courses will give you a solid foundation in biology and chemistry.
➢ You will study the chemistry of living things — the molecular compounds and substances that make biological organisms tick.
➢ As a biochemistry major you will study the minute, discrete characteristics of every organism and biological process.

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.