

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):

Course I will complete at my current college:

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|--|-------|
| 1. Any GE 3 Social Science | _____ |
| 2. GE 4 U.S. History & Society: HIS 200 The United States to 1877, <i>OR</i>
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

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|--|-------|
| 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 <i>OR</i>
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 (101) 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.