

Transfer Planning Sheet (Tompkins Cortland Community College)

Transfer Planning Sheet – Biomedical Sciences (BMS), 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. However, additional major course recommendations are provided here that go beyond the 64-credit limit for students' reference. All classes are three (3) credits unless otherwise noted. 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 (24 credits)

- Communication 1 (GEC1)*
CPN 100 Writing Studies I
- Communication 2 (GEC2)*
CPN 101 Writing Studies II
- Communication – Presentation (GEC3)*
- Diversity: Equity, Inclusion & Social Justice (GEDI)*
- Humanities (GEHU)
- The Arts (GEAR)
- World History & Global Awareness (GEWH)
- World Languages (GEWL)**

Courses I will complete at TC3:

ENGL 100

ENGL 101

***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 (44 credits):

- | | |
|--|---|
| ○ BIO 201 Biological Sciences I (4 cr) (will also fulfill GE Natural Sciences*) | BIOL 104 |
| ○ BIO 202 Biological Sciences II (4 cr) | BIOL 105 |
| ○ BIO 210 Cellular Biology (4 cr) | BIOL 220 (Offered occasionally) AND 221 |
| ○ CHE 227 and 277 General Chemistry I with lab (4 cr) | CHEM 107 |
| ○ CHE 228 and 278 General Chemistry II with lab (4 cr) | CHEM 108 |
| ○ CHE 300 and 303 Organic Chemistry I with lab (4 cr) | CHEM 205 |
| ○ MAT 121 Calculus A (will also fulfill GE Mathematics*) | Not offered (see below for options) |
| ○ MAT 122 Calculus B OR MAT 201 Statistical Methods | MATH 200 (MAT 201 option) |
| ○ PSY 101 Introductory Psychology (will also fulfill GE Social Sciences) | PSYC 103 |
| ○ SOC 150 Into to Sociology (will also fulfill GE US History & Civic Engagement) | SOCI 101 |
| ○ Physics sequence (8 cr): choose:
PHY 105 Elementary Mechanics and Heat (4 cr) AND
PHY 106 Elementary Electricity, Light and Sound (4 cr) OR
PHY 201 Principles of Physics I (4 cr) AND
PHY 202 Principles of Physics II (4 cr) | PHSC 104 (Offered occasionally) AND 105

PHSC 211 Offered for spring) AND 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.
- Tompkins Cortland CC does not offer MAT 121 or 122, but students can choose to take calculus I and II – MATH 201 and 202 – to meet requirements.

Biomedical Sciences

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 Biomedical Sciences

You'll explore course work specific to the biomedical field, gain knowledge and experience through internships and have the cognitive course work to promote success on entrance examinations to graduate programs. With a degree in biomedical sciences, you'll be able to successfully pursue a variety of careers.

Career Potential

- Chiropractor
- Dentist
- Doctor of osteopathic medicine
- Medical imaging technician
- Optometrist
- Physician assistant
- Physical therapist
- Physician
- Veterinarian

Special Features

- Faculty dedicated to providing quality education and research opportunities include:
- If you participate in a research project, you may find yourself presenting your scientific findings at local and regional professional meetings.
- Study and work in our state-of-the-art classroom and research facility.

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.