

## Transfer Planning Sheet Chemistry (CHM)

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 (GEC3)\*
- 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)\*\*

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\*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 (30-32 credits):

It is recommended to complete full sequences and not to transfer only one course of a two-course sequence

- CHE 227 and 277 General Chemistry I with lab (4 cr)
- CHE 228 and 278 General Chemistry II with lab (4 cr)
- CHE 301 Organic Chemistry I (4 cr)
- CHE 302 Organic Chemistry II AND  
CHE 304 Organic Chemistry II lab (1 cr)
- PHY 201 Principles of Physics I (4 cr) (will also fulfill GE Natural Sciences\*)
- PHY 202 Principles of Physics II (4 cr)
- **Calculus sequence (6-8 cr)** (will also fulfill GE Mathematics\*) choose:  
MAT 121 Calculus A AND MAT 122 Calculus B *OR*  
MAT 135 Calculus I (4 cr) **AND** MAT 236 Calculus II (4 cr)

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### Electives (2-4 credits)

Total: 64

# Chemistry

## 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 Chemistry

Learn chemistry by doing it in state-of-the-art labs using the same tools professionals use. Work side-by-side with a faculty mentor as you engage in original research. Student research is a signature strength of our chemistry program.

## Career Potential

- Industrial chemist
- Health professions
- Research scientist
- Consultant
- Patent attorney
- State and federal agency scientist and policy maker

## What Will I Learn?

- In recent years, student researchers have explored
- Nanotechnology
- Polymer Chemistry
- Chemical Biology and Organic Synthesis
- Groundwater Contamination and Molecular Synthesis

## 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.