

Transfer Planning Sheet (SUNY Broome) Chemistry (CHM), 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:

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| <ul style="list-style-type: none"> ○ 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)** | <p style="text-align: center;">ENG 110</p> <p style="text-align: center;">ENG 111</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">_____</p> |
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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

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| <ul style="list-style-type: none"> ○ <u>CHE 227 and 277 General Chemistry I with lab</u> (4 cr) ○ <u>CHE 228 and 278 General Chemistry II with lab</u> (4 cr) ○ <u>CHE 301 Organic Chemistry I</u> (4 cr) ○ <u>CHE 302 Organic Chemistry II</u> AND
<u>CHE 304 Organic Chemistry II lab</u> (1 cr) ○ <u>PHY 201 Principles of Physics I</u> (4 cr) (will also fulfill GE Natural Sciences*) ○ <u>PHY 202 Principles of Physics II</u> (4 cr) ○ <u>Calculus sequence (6-8 cr)</u> (will also fulfill GE Mathematics*) choose:
<u>MAT 121 Calculus A AND MAT 122 Calculus B</u> OR
<u>MAT 135 Calculus I</u> (4 cr) AND <u>MAT 236 Calculus II</u> (4 cr) | <p style="text-align: center;">CHM 145 AND 145L</p> <p style="text-align: center;">CHM 146 AND 146L</p> <p style="text-align: center;">CHM 245 AND 245L</p> <p style="text-align: center;">CHM 246 AND 246L</p> <p style="text-align: center;">PHY 181</p> <p style="text-align: center;">PHY 182</p> <p style="text-align: center;">MAT 146 OR 160 (no MAT 122 option)
MAT 181 AND 182</p> |
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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.