

Transfer Planning Sheet Adolescence Education: Chemistry (ACM)

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

Course I will complete at my current college:

HIS 130 OR 131

ENG 110

ENG 111

Major Requirements (37-39 credits):

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

1. [CHE 227 and 277 General Chemistry I with lab](#) (4 cr) CHM 145/145L
2. [CHE 228 and 278 General Chemistry II with lab](#) (4 cr) CHM 146/146L
3. [CHE 301 Organic Chemistry I](#) (4 cr) CHM 245/245L
4. [PHY 201 Principles of Physics I](#) (4 cr) (will also fulfill GE 2 Natural Science) PHY 181
5. [PHY 202 Principles of Physics II](#) (4 cr) PHY 182
6. **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) MAT 146/160 (no MAT 122 option)
MAT 181 AND 182
7. **Biology or Geology Sequence (8 cr)** choose one sequence:
BIO 201 **AND** BIO 202 Biological Sciences I and II (4 cr each) BIO 118 AND 117
OR GLY 261 Physical Geology (4 cr) **AND** Historical Geology (4 cr) GLG 115 AND 125
8. PSY 101 Introductory Psychology PSY 110

Electives (3 credits)

Total: 64

A foreign language course at the beginning level II (102) is required for this major. Sign language is **NOT acceptable as a foreign language for this major.

Adolescent Education: 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 Adolescent Education: Chemistry

Bring the excitement of chemistry to pupils in grades 7-12. With a first-rate curriculum background and solid classroom teaching techniques, you'll be well prepared to engage these adolescent learners.

Career Potential

- Chemistry teacher (grades 7-12)

What Will I Learn?

As a chemistry education major, you will receive a thorough grounding in the science from its conceptual bases to the most advanced techniques. You will strengthen your understanding of

- Inorganic and organic chemistry
- Physical chemistry
- Biochemistry
- Quantitative analysis

To prepare you for the classroom environment, your course work will emphasize

- Effective teaching techniques
- Innovative lesson planning
- Motivational strategies
- Student assessment

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.