

## Transfer Planning Sheet (Tompkins Cortland Community College) Adolescence Education: Chemistry (ACM), 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. [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)

- 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)
- The Arts (GEAR)
- US History & Civic Engagement (GEUS)
- World History & Global Awareness (GEWH)
- World Languages (GEWL)\*\*

### Courses I will complete at TC3:

ENGL 100

ENGL 101

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**\*Indicates required SUNY General Education Category**

**\*\*A foreign language course at the beginning level II (102) is required for this major. Sign language is acceptable as a foreign language for this major.**

### Major Requirements (39 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) CHEM 107
- CHE 228 and 278 General Chemistry II with lab (4 cr) CHEM 108
- CHE 300 Organic Chemistry I (4 cr) CHEM 205
- PHY 201 Principles of Physics I (4 cr) (will also fulfill GE Natural Sciences\*) PHSC 211 (Spring only)
- PHY 202 Principles of Physics II (4 cr) PHSC 212
- **Calculus sequence (8 cr)** (will also fulfill GE Mathematics\*) choose:  
MAT 135 Calculus I (4 cr) **AND** MAT 236 Calculus II (4 cr) MATH 201 AND 202
- **Biology or Geology Sequence (8 cr)** choose one sequence:  
BIO 201 **AND** BIO 202 Biological Sciences I and II (4 cr each) BIOL 104 AND 105  
**OR** GLY 261 Physical Geology (4 cr) **AND** 262 Historical Geology (4 cr) GEOL 101 (No GLY 262 option)
- PSY 101 Introductory Psychology (will also fulfill GE Social Sciences) PSYC 103

Total: Students should take a maximum of 64 credits.

## Adolescence 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 Adolescence 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.

## Cortland's Urban Recruitment of Educators (C.U.R.E.) Program (Fall Applicants Only)

- SUNY Cortland's C.U.R.E. program provides scholarship support, mentoring and programming to eligible students interested in working in urban education after graduation.
- Students from demographic groups that are underrepresented in teaching or students who have a serious interest in urban education are eligible to apply.
- Admission in the C.U.R.E. program is open to Fall applicants only. [Applications](#) can be submitted online.