

Transfer Planning Sheet (Tompkins Cortland Community College) Geology (GLY), 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)

Courses I will complete at TC3:

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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 (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)** | <p>ENGL 100</p> <p>ENGL 101</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</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 NOT acceptable as a foreign language for this major. Students have the option of pursuing a Bachelor of Arts (BA) or Bachelor of Science (BS) in Geology. The BA requires additional foreign language.**

Major Requirements (27 credits):

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| <ul style="list-style-type: none"> ○ <u>GLY 261 Physical Geology</u> (4 cr) (will also fulfill GE Natural Sciences*) ○ <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>MAT 121 Calculus A</u> (will also fulfill GE Mathematics*) ○ MAT 122 Calculus B OR MAT 201 Statistical Methods ○ Physics or Biology sequence (8 cr): choose
PHY 105 Elementary Mechanics and Heat (4 cr) AND
PHY 106 Elementary Electricity, Light and Sound (4 cr) OR
BIO 201 Biological Sciences I (4 cr) AND
BIO 202 Biological Sciences II (4 cr) | <p>GEOL 101</p> <p>CHEM 107</p> <p>CHEM 108</p> <p>*Not offered (see below for options)</p> <p>*MATH 200 (MAT 201 option)</p> <p>PHSC 104</p> <p>PHSC 105</p> <p>BIOL 104</p> <p>BIOL 105</p> |
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*Tompkins Cortland CC does not offer equivalent courses to SUNY Cortland’s MAT 121 or 122, but students can choose to take Calculus I and Calculus II – MATH 201 and 202 – to meet requirements

Electives (7 credits)

GLY Elective Options

- GLY 371 Meteorology METR 101 (offered occasionally)

Total: 64

Geology

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 Geology

Geologists find the natural resources we need and protect the environment on which we depend. As a geology major, you'll learn about the natural workings of our home planet and develop an appreciation for its rich geological history. Prepare yourself for entry into a geoscience career or graduate school, and come discover the Earth at SUNY Cortland.

Career Potential

- Licensed professional geologist
- Environmental or exploration geoscientist
- Research or academic scientist

What Will I Learn?

- Study the composition, structure, processes and history of Earth
- Fieldwork and hands-on learning are infused throughout the program
- Learn research skills for modern geology
- Develop writing and presentation skills for professional development
- Take course work in related math and sciences

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.