

Transfer Planning Sheet (SUNY Broome) Environmental Geoscience (ENVG), 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 (31 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 Broome CC:

ENG 110

ENG 111

*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.

Major Requirements (33 credits – some credits below also count for GEs):

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| ○ GLY 261 Physical Geology (4 cr) (will also fulfill GE Natural Sciences*) | GLG 115 |
| ○ GLY 262 Historical Geology (4 cr) | GLG 125 (may not be offered) |
| ○ GLY 371 Meteorology (4 cr) | ATM 114 |
| ○ CHE 227 and 277 General Chemistry I with lab (4 cr) | CHM 145 AND 145L |
| ○ CHE 228 and 278 General Chemistry II with lab (4 cr) | CHM 146 AND 146L |
| ○ MAT 121 Calculus A (will also fulfill GE Mathematics*) | MAT 146 OR 160 |
| ○ MAT 201 Statistical Methods | MAT 124 |
| ○ EST 100 Intro to Environmental Studies (will also fulfill GE Social Sciences) | CHM 123 AND 123L |
| ○ BIO 201 Biological Sciences I (4 cr) AND
BIO 202 Biological Sciences II (4 cr) | BIO 118
BIO 117 |
| ○ Physics Sequence (8 cr): choose
PHY 105 Elementary Mechanics and Heat (4 cr) AND
PHY 106 Elementary Electricity, Light and Sound (4 cr) | PHY 161
PHY 162 |
| OR
PHY 201 Principles of Physics I (4 cr) AND
PHY 202 Principles of Physics II (4 cr) | PHY 181
PHY 182 |

Total: 64 credits

Environmental Geoscience

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 Environmental Geoscience

With today's many challenging environmental problems, from pollution to climate change, the earth needs a hero. Are you that hero? Environmental Geoscience majors are a blend of deft scientists and passionate conservationists.

The Environmental Geoscience program will prepare you for entrance into graduate programs in the environmental geosciences and for careers as geoscience-oriented environmental scientists with private companies, industry, and state and federal agencies.

Career Potential

- Environmental geoscientist
- Watershed specialist
- Hydrologist or Hydrogeologist

What Will I Learn?

- Study the environment from a geologic perspective
- Fieldwork and hands-on learning are infused throughout the program
- Learn research skills for modern environmental science
- Develop writing and presentation skills for professional development
- Interdisciplinary 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.