

SUNY Broome Transfer Planning Sheet – Environmental Geoscience (ENVG)

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 (21 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
3. Any GE 7 Humanities
4. Any GE 8 The Arts
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 (41 credits):

1. GLY 261 Physical Geology (4 cr) (will also fulfill GE 2 Natural Sciences)
2. GLY 262 Historical Geology (4 cr)
3. CHE 227 and 277 General Chemistry I with lab (4 cr)
4. CHE 228 and 278 General Chemistry II with lab (4 cr)
5. MAT 121 Calculus A (will also fulfill GE 1 Quantitative Skills)
6. MAT 201 Statistical Methods
7. EST 100 Intro to Environmental Studies
8. BIO 201 Biological Sciences I (4 cr)
BIO 202 Biological Sciences II (4 cr)
9. **Physics Sequence (8 cr):** choose
PHY 105 Elementary Mechanics and Heat (4 cr) **AND**
PHY 106 Elementary Electricity, Light and Sound (4 cr)
OR
PHY 201 Principles of Physics I (4 cr) **AND**
PHY 202 Principles of Physics II (4 cr)

GLG 115

GLG 125

CHM 145 AND 145L

CHM 146 AND 146L

MAT 146 OR 160

MAT 124

CHM 123 AND 123L

BIO 118

BIO 117

PHY 161

PHY 162

PHY 181

PHY 182

Electives (2 credits)

Total: 64

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.

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.