

Transfer Planning Sheet (SUNY Broome) Adolescence Education: Earth Science (AES), 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 (24 credits)

- Communication 1 (GEC1)*
CPN 100 Writing Studies I ENG 110
- Communication 2 (GEC2)*
CPN 101 Writing Studies II ENG 111
- Communication – Presentation (GECP)* _____
- Humanities (GEHU) _____
- The Arts (GEAR) _____
- US History & Civic Engagement (GEUS) _____
- World History & Global Awareness (GEWH) _____
- World Languages (GEWL)** _____

***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 (37 credits):

- **GLY 261 Physical Geology** (4 cr) (will also fulfill GE Natural Science*) GLG 115
- **GLY 262 Historical Geology** (4 cr) GLG 125
- **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 OR** MAT 201 Statistical Methods (will also fulfill GE Mathematics*) MAT 146/160 OR MAT 124
- **Biology or Physics Sequence (8 cr)** choose one sequence:
BIO 201 Biological Sciences I (4 cr) **AND**
BIO 202 Biological Sciences II (4 cr) BIO 118 AND 117
OR
PHY 105 Elementary Mechanics and Heat (4 cr) **AND**
PHY 106 Elementary Electricity, Light and Sound (4 cr) PHY 161 AND 162 (spring only)
- **PHY 155 Astronomy with Lab** (4 cr) PHS 113 (may not be offered)
- **PSY 101 Introductory Psychology** (will also fulfill GE Social Sciences) PSY 110
- **PSY 232 Adolescent Psychology** PSY 212

Adolescence Education: Earth Science

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: Earth Science

You'll want a strong foundation in the space and geosciences if your ambition is to teach Earth science in a middle or high school. Your SUNY Cortland program includes course work in all areas of Earth science needed for New York state certification together with supporting courses for the General Science extension. Add quality professional teacher education preparation, and you'll be on track for a rewarding career in the public or private schools.

Career Potential

- Earth science teacher (grades 7-12)
- Naturalist or interpreter
- Earth scientist

What Will I Learn?

- Study the space, atmospheric, geological and water systems of Earth
- Learn classroom skills for effective teaching
- Develop writing and presentation skills for professional development
- Take course work in related math and sciences
- Fieldwork and hands-on learning infused throughout the program

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.