

SUNY Broome

Transfer Planning Sheet – Adolescent Education: Physics and Mathematics (APM)

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 (27 credits):

1. GE 3 Social Science: PSY 101 Introduction to Psychology
2. GE 4 U.S. History & Society: HIS 200 The United States to 1877, *OR*
HIS 201 The United States since 1877
3. Any GE 6 Contrasting Cultures/Other World Civilization
4. Any GE 7 Humanities
5. Any GE 8 The Arts
6. Any GE 9: Foreign Language**
7. CPN 100 Writing Studies I
8. CPN 101 Writing Studies II

Course I will complete at my current college:

- PSY 110
- HIS 130 OR 131
- _____
- _____
- _____
- ENG 110
- ENG 111

Major Requirements (34 credits):

1. [PHY 201 Principles of Physics I](#) (4 cr) (will also fulfill GE 2 Natural Sciences) PHY 181
2. [PHY 202 Principles of Physics II](#) (4 cr) PHY 182
3. [MAT 135 Calculus I](#) (4 cr) (will also fulfill GE 1 Quantitative Skills) MAT 181
4. [MAT 236 Calculus II](#) (4 cr) MAT 182
5. [MAT 237 Calculus III](#) (4 cr) MAT 281
6. PHY 150 Astronomy AST 113
7. CHE 227 and 277 General Chemistry I with lab (4 cr) CHM 145 AND 145L
8. CHE 228 and 278 General Chemistry II with lab (4 cr) CHM 146 AND 146L
9. [PSY 232 Adolescent Psychology](#) PSY 212

Electives (3 credits)

Total: 64

**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.

Adolescent Education: Physics and Mathematics

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 Adolescent Education: Physics and Mathematics

Embark on a versatile background in the principles of physics, applied mathematics, computer skills and electronic equipment with our distinguished faculty, participate in clubs and consult with top-notch advisors. You'll work toward New York state certification to teach physics and mathematics in grades 7-12.

Career Potential

- Physics and mathematics teacher for grades 7-12
- Technical specialist

What Will I Learn?

- Receive a comprehensive foundation in physics and mathematics as you design a course of study suited to your interest
- Learn about successful classroom teaching
- Develop teaching strategies for pupils whose interests and abilities vary widely

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.