

Transfer Planning Sheet (SUNY Broome) Adolescent Education: Physics and Mathematics (APM), 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 (33 credits)

Course I will complete at my current

college:

- | | |
|---|---------|
| ○ Communication 1 (GEC1)*
CPN 100 Writing Studies I | ENG 110 |
| ○ Communication 2 (GEC2)*
CPN 101 Writing Studies II | ENG 111 |
| ○ Communication – Presentation (GECp)* | _____ |
| ○ Diversity: Equity, Inclusion & Social Justice (GEDI)* | _____ |
| ○ Humanities (GEHU) | _____ |
| ○ Social Sciences (GESS)
PSY 101 Introductory Psychology | PSY 110 |
| ○ 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 (34 credits):

- | | |
|--|------------------|
| ○ <u>PHY 201 Principles of Physics I</u> (4 cr) (will also fulfill GE Natural Sciences*) | PHY 181 |
| ○ <u>PHY 202 Principles of Physics II</u> (4 cr) | PHY 182 |
| ○ <u>MAT 135 Calculus I</u> (4 cr) (will also fulfill GE Mathematics*) | MAT 181 |
| ○ <u>MAT 236 Calculus II</u> (4 cr) | MAT 182 |
| ○ <u>MAT 237 Calculus III</u> (4 cr) | MAT 281 |
| ○ PHY 150 Astronomy | AST 113 |
| ○ 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 |
| ○ <u>PSY 232 Adolescent Psychology</u> | PSY 212] |

Adolescence 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 Adolescence 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.

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.