

SUNY Broome Transfer Planning Sheet – Adolescent Education: Physics (APH)

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 (37 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 |
| 10. MCS/PHY 186 Introductory Programming | CST 113/127/133/138/150W |

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

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

Develop a versatile background in the principles of physics, applied mathematics, computer skills and electronic equipment by joining the largest teacher education program in the Northeastern United States. With distinguished faculty and a department eager to see you excel, you will be on your way to New York state certification to teach physics in grades 7-12.

Career Potential

- Physics teacher (7-12)
- Graduate study in higher education
- Technical specialist

What Will I Learn?

- Learn about successful classroom teaching
- Explore the nature of the adolescent learner
- Develop teaching strategies for pupils whose interests and abilities vary widely
- Integrate educational theory with best teaching practices

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.