

Transfer Planning Sheet (Tompkins Cortland Community College) Adolescent Education: Physics (APH), 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)

Courses I will complete at TC3:

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|---|----------|
| ○ Communication 1 (GEC1)*
CPN 100 Writing Studies I | ENGL 100 |
| ○ Communication 2 (GEC2)*
CPN 101 Writing Studies II | ENGL 101 |
| ○ Communication – Presentation (GEC2)* | _____ |
| ○ Diversity: Equity, Inclusion & Social Justice (GEDI)* | _____ |
| ○ Humanities (GEHU) | _____ |
| ○ Social Sciences (GESS)
PSY 101 Introductory Psychology | PSYC 103 |
| ○ 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 (38 credits):

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|--|------------------------|
| ○ <u>PHY 201 Principles of Physics I</u> (4 cr) (will also fulfill GE Natural Sciences*) | PHSC 211 (Spring only) |
| ○ <u>PHY 202 Principles of Physics II</u> (4 cr) | PHSC 212 (Fall only) |
| ○ <u>MAT 135 Calculus I</u> (4 cr) (will also fulfill GE Mathematics*) | MATH 201 |
| ○ <u>MAT 236 Calculus II</u> (4 cr) | MATH 202 |
| ○ <u>MAT 237 Calculus III</u> (4 cr) | MATH 203 |
| ○ MAT 272 Linear Algebra | MATH 208 |
| ○ PHY 150 Astronomy | ASTR 101 |
| ○ CHE 227 and 277 General Chemistry I with lab (4 cr) | CHEM 107 |
| ○ CHE 228 and 278 General Chemistry II with lab (4 cr) | CHEM 108 |
| ○ <u>PSY 232 Adolescent Psychology</u> | PSYC 207 |

Adolescence 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 Adolescence 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.

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.