

Transfer Planning Sheet for SUNY Broome **Adolescence Education: Mathematics (AEM), B.A. or B.S.**

SUNY Cortland recommends that students complete the following courses prior to transfer. The transfer credit limit from a 2-year college is 64 credits. Students who complete their General Education requirements prior to transfer will have their General Education requirements met at SUNY Cortland.

SUNY General Education/Cortland Degree Requirements (30 credits minimum):

- Communication 1 (GEC1): CPN 100 Writing Studies I
- Communication 2 (GEC2): CPN 101 Writing Studies II
- Communication – Presentation (GECP):
AED 392 Methods I: Teaching Adolescence Mathematics
- Diversity: Equity, Inclusion & Social Justice (GEDI):
ESL 406 Educating English Language Learners
- Mathematics (GEMA): MAT 201 Statistical Methods
- Natural Sciences (GENS) (4-8 credits):
Choose 1 course for B.A. and 2 courses for B.S. from the following:
 - CHE 227 and 277 General Chemistry I with lab (4 cr.)
 - CHE 228 and 278 General Chemistry II with lab (4 cr.)
 - PHY 201 Principles of Physics I (4 cr.)
 - PHY 202 Principles of Physics II (4 cr.)
- Humanities (GEHU):
- Social Sciences (GESS): PSY 101 Introductory Psychology
- The Arts (GEAR):
- US History & Civic Engagement (GEUS):
- World History & Global Awareness (GEWH):
- World Languages (GEWL): (Sign language is acceptable)

Complete at SUNY Broome:

- ENG 110 (required GE)
- ENG 111 (required GE)
- no equivalent – consider taking at Cortland, unless earning associate degree (GE & major required)
- no equivalent – consider taking at Cortland, unless earning associate degree (GE & major required)
- MAT 124 (GE & major required)
- (major, B.A. & B.S. required)
- CHE 145
- CHE 146
- PHY 181 (spring only)
- PHY 182
- _____
- PSY 110 (major required)
- _____
- _____
- _____
- _____
- 101 (required for B.S. and B.A.)
- 102 (required for B.S. and B.A.)
- 201 (required for B.A.)
- 202 (required for B.A.)

Additional Major Requirements (24 credits):

- MAT 135 Calculus I (4 cr.)
- MAT 236 Calculus II (4 cr.)
- MAT 237 Calculus III (4 cr.)
- MAT 272 Linear Algebra
- PSY 232 Adolescent Psychology
- HLH 110 Personal and Community Health
- MCS/PHY 186 Introductory Programming

- MAT 181
- MAT 182
- MAT 281
- MAT 264
- PSY 212
- PED 162
- Pick One: CST 113/127/133/138

*For more information about transfer equivalencies, please visit [SUNY Transfer Path](#).

Adolescence Education: 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: Mathematics

Teaching is a rewarding profession and good math teachers are always in demand. At SUNY Cortland, you will get a solid foundation in mathematics along with nationally recognized professional preparation for teaching in grades 7-12. If you decide you don't want to teach, you'll have a degree that you can use to pursue other careers. You also have the option of working toward dual certification in both mathematics and physics.

Career Potential

- Mathematics teacher in high school or junior high school
- Curriculum coordinator
- Educational administrator

What Will I Learn?

The math courses you take will teach you to think critically, reason logically and solve problems. While the professional preparation courses will help you become a more effective teacher by introducing you to different teaching and assessment strategies. Ultimately, you get to put all these skills into practice during a semester of student teaching your senior year.

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.