

Transfer Planning Sheet (SUNY Broome) Adolescence Education: Mathematics (AEM)

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. 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 (30 credits)

Course I will complete at my current college:

- | | |
|---|---------|
| o Communication 1 (GEC1)*
CPN 100 Writing Studies I | ENG 110 |
| o Communication 2 (GEC2)*
CPN 101 Writing Studies II | ENG 111 |
| o Communication – Presentation (GEC2)* | _____ |
| o Diversity: Equity, Inclusion & Social Justice (GEDI)* | _____ |
| o Humanities (GEHU) | _____ |
| o The Arts (GEAR) | _____ |
| o US History & Civic Engagement (GEUS) | _____ |
| o World History & Global Awareness (GEWH) | _____ |
| o 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. Students have the option of pursuing a Bachelor of Arts (BA) or Bachelor of Science (BS) in Adolescence Education: Mathematics. The BA requires additional foreign language through intermediate level II (202); the BS requires completion of two physical science courses.

Major Requirements (27 credits):

- | | |
|--|------------------------------------|
| o <u>MAT 135 Calculus I</u> (4 cr) (will also fulfill GE Mathematics*) | MAT 181 |
| o <u>MAT 236 Calculus II</u> (4 cr) | MAT 182 |
| o <u>MAT 237 Calculus III</u> (4 cr) | MAT 281 |
| o <u>MAT 272 Linear Algebra</u> | MAT 264 |
| o PSY 101 Introductory Psychology (will also fulfill GE Social Sciences) | PSY 110 |
| o <u>PSY 232 Adolescent Psychology</u> | PSY 212 |
| o HLH 110 Personal and Community Health | PED 162 |
| o MCS/PHY 186 Introductory Programming | Pick One: CST 113/127/133/138/150W |

*Students are encouraged to avoid transferring introductory statistics (MAT 201), as it will not transfer to meet a degree requirement or count towards major credits.

BA Students (9-10 cr):

Continue foreign language sequence through Intermediate level II (6 cr) **AND** any GE Natural Science* course (3-4 cr)

BS Students (7-8 cr):

Choose two physical science courses (will also fulfill GE Natural Sciences*):
CHE 227 and 277 General Chemistry I with lab (4 cr) or CHE 228 and 278 General Chemistry II with lab (4 cr)
or GLY 261 Physical Geology (4 cr) or GLY 262 Historical Geology (4 cr) or PHY 201 Principles of Physics I (4 cr)
or PHY 202 Principles of Physics II (4 cr) or PHY 150 Astronomy

Total: 64

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.