Transfer Planning Sheet – Mathematics (MAT)

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.

Students have the option of pursuing a Bachelor of Arts (BA) or Bachelor of Science (BS) in Mathematics. The BA requires additional foreign language; the BS requires completion of two physical science courses.

- To view all required courses for the program and Cortland’s General Education courses, see the most current undergraduate Catalog.
- Students currently on SUNY campuses should consult their academic advisor for additional choices in general education categories when any course is recommended.
- Use the transfer equivalency tables to choose equivalents at your transfer college.

SUNY General Education/Cortland Degree Requirements (24 cr):

1. GE 4 U.S. History and Society: HIS 200 The United States to 1877, OR HIS 201 The United States since 1877 (3 cr) _______________________
2. Any GE 6 Contrasting Cultures/Other World Civilization course (3 cr) _______________________
3. Any GE 7 Humanities course (3 cr) _______________________
4. Any GE 8 The Arts course (3 cr) _______________________
5. A foreign language course at the beginning level I (101). *
   Sign language is acceptable as a foreign language for this major. (3 cr) _______________________
6. CPN 100 Writing Studies I (3 cr) _______________________
7. CPN 101 Writing Studies II (3 cr) _______________________
8. COM 210 Fundamentals of Public Speaking (3 cr) _______________________

Major Requirements (18 cr):

1. MAT 135 Calculus I (4 cr) (will also fulfill GE 1 Quantitative Skills) _______________________
2. MAT 236 Calculus II (4 cr) _______________________
3. MAT 237 Calculus III (4 cr) _______________________
4. MAT 272 Linear Algebra OR MAT 336 Differential Equations (3 cr) _______________________
5. MCS/PHY 186 Introductory Programming (3 cr) _______________________

* 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 (12-13 cr):
Continue foreign language sequence through Intermediate level II (9 cr) AND any GE 2 Natural Science course (3-4 cr) _______________________

BS Students (7-8 cr): Choose two physical science courses (will also fulfill GE 2 Natural Science):
   CHE 227 and 277 General Chemistry I with lab (Old course CHE 221) (4 cr) _______________________
   CHE 228 and 278 General Chemistry II with lab (Old course CHE 222) (4 cr) _______________________
   GLY 261 Physical Geology (4 cr) _______________________
   GLY 262 Historical Geology (4 cr) _______________________
   PHY 201 Principles of Physics I (4 cr) _______________________
   PHY 202 Principles of Physics II (4 cr) _______________________
   PHY 150 Astronomy (3 cr) _______________________

Electives (10-15 cr)
Total: 64