

## Transfer Planning Sheet Geographic Information Systems (GIS)

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 (24-25 credits):

1. Any GE 2 Natural Science (3-4 cr)
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 7 Humanities
4. Any GE 8 The Arts
5. Any GE 9 Foreign Language\*\*
6. CPN 100 Writing Studies I
7. CPN 101 Writing Studies II
8. COM 210 Fundamentals of Public Speaking

Course I will complete at my current college:

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Major Requirements (12 credits):

1. CAP 100 Introduction to Computer Applications
2. GRY 110 Physical Geography
3. GRY 120 Cultural Geography (will also fulfill GE 6 Contrasting Cultures)
4. GRY 125 Human Geography and Global Development  
(will also fulfill GE 3 Social Sciences)

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Electives (27-28 credits)

Total: 64

\*\*A foreign language course at the beginning level I (101) is required for this major. Sign language is acceptable as a foreign language for this major.

**Students must add a concentration to this program.** You can choose from Advanced Geospatial Applications, Computer Techniques, Demographics and Business Demographics, or Environmental Science.

# Geographic Information Systems

## 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 Geographic Information Systems

Prepare to strategically solve real-world problems and come up with cutting-edge solutions through a combination of technology and business skills. You'll learn the nature of geographic data while recognizing the appropriate applications of GIS technology to solve spatial issues.

### Career Potential

- Environmental GIS specialist
- Land use planner
- Marketing and business geographics consultant
- Law enforcement analyst
- Transportation planner
- Emergency response planner

### What Will I Learn?

You will receive computer training in

- digital processing of remote sensing observations and cartographic vector data.
- spatial analysis.
- the display of information products in ENVY and GIS software.

The curriculum will provide you with the necessary background to use remote sensing in various fields such as

- military analysis and intelligence.
- environmental monitoring.
- counter-narcotics.
- disaster assessments.
- law enforcement and other related fields.

### 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.