# Geography: Geographic Information Systems/Global Positioning System AS

**Program Learning Outcomes**

1. Analyze the inter-disciplinary applications of GIS, GPS, and remote sensing.
2. Synthesize data from various sources and different formats for spatial analyses.
3. Apply spatial tools and techniques in a research or work environment.
4. Explain the fundamentals of the different geospatial technologies and how they function.

## Map of Courses

### Required
- GEOG 125: Introduction to Geographic Information Systems
- GEOG 129: Field Data Acquisition and Management
- GEOG 126: Advanced Geographic Information Systems
- GEOG 160: Introduction to Remote Sensing
- GEOG 162: Map Design and Visualization

### Elective
- GEOG 120: Physical Geography
- BIOSC 126: Ecology and Field Biology
- GEOL 120: Physical Geology
- ANTH 126: Introduction to Archeological Field Methods
- ENGTC 126: Computer Aided Design and Drafting
- BIOSC 170: Environmental Science
- GEOG 124: Thinking and Communicating Geospatially
- GEOG 295: Work Experience

### IGETC Category
- IGETC 5A: GEOG 120
- IGETC 5B: GEOG 160
- IGETC 5C: GEOG 124

### Take 6 Units
- GEOG 125
- GEOG 126
- GEOG 160
- GEOG 129
- GEOG 162

### Take 6 Units
- COMSC 138: Advanced Microsoft Office
- COMSC 120: SQL Programming
- COMSC 172: UNIX & LINUX
- COMSC 101: Computer Literacy
- COMSC 110: Introduction to Mapping
- COMSC 255: JAVA Programming

### Pre-Reqs
- GEOG 125
- GEOG 126

## Additional Information

- Complete 60 degree applicable units along with completion of all required general education requirements. It is highly recommended that you see a counselor for specific courses that will best meet your educational plan/goals. Not all courses on the map are offered every term. Consult the Catalog and the Schedule of Classes for more details.

For information about transferring, see: [https://www.dvc.edu/enrollment/transfer/index.html](https://www.dvc.edu/enrollment/transfer/index.html)

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### Careers in
- Government
- GIS technician