

Welcome to Geography!

Major Overview:

The Geography Department empowers students to address a number of contemporary problems such as physical resource development, racial/ethnic patterns, urban decay, business geography, pollution and other human problems. The curriculum help students better understand how natural and human environments become organized geographically by institutional decisions and the consequences of human actions.

The courses emphasize the problem-solving approach, both theoretical and applied. Within its BA program, the department offers six tracks: general geography with interdisciplinary focus, computer applications in geography, environmental track, urban and regional planning, urban economic/retailing, and race/ethnicity and place: American urban perspectives track.

Courses:

Geography courses suitable for freshmen include all 100-level courses, plus GEOG 211, 212, 221, 232, 234 and 259.

GEOG 151 is recommended for students with a general interest in geography and specific issues of global importance, including development, demographic change, urbanization and migration, and international conflict; GEOG 121 for those interested in physical processes; and GEOG 103 for those interested in racial/ethnic geography.

Post-Graduation:

The geography major and all the tracks provide preparation for graduate work and careers in public and private planning agencies. Geography graduates can apply their knowledge, skills and experience in the private, governmental or non-profit sector. Students develop strong visualizations skills, an ability to analyze spatial data, planning and problem-solving skills, as well as applied resource management skills.

Although many graduates pursue typical career paths, students also utilize the skills and experience they have acquired toward unrelated careers. Keeping in mind that

some fields may require additional education or training. Potential careers include the following:

- Climatologist
- Digital cartographer
- Environmental scientist
- GIS analyst
- Global spatial intelligence Analyst
- Geospatial analyst
- Historic preservationists
- Urban planner
- Meteorologist
- Oceanographer
- Policy consultants
- Satellite imagery scientist
- Water resource specialists
- Nautical cartographic analyst
- Information or imagery analyst
- Systems engineer
- Wind analyst

Additional Resources:

To find out more about resources for geography majors, click the links below:

[Department's homepage](http://www.binghamton.edu/geography/) [http://www.binghamton.edu/geography/]

[Five-year BA and master's program](http://binghamton.edu/geography/undergrad/index.html)
[http://binghamton.edu/geography/undergrad/index.html]

[Major requirements](http://www.binghamton.edu:8080/exist9/rest/Bulletin2014-15/xq/geography_ug.xq?_xsl=/db/Bulletin2014-15/xsl/MasterCompose.xsl) [http://www.binghamton.edu:8080/exist9/rest/Bulletin2014-15/xq/geography_ug.xq?_xsl=/db/Bulletin2014-15/xsl/MasterCompose.xsl]

[International honor society](https://binghamton.collegiatelink.net/organization/gammathetarho-honor)
[https://binghamton.collegiatelink.net/organization/gammathetarho-honor]

*Students of Urban Planning

[Campus Climate Challenge](https://bengaged.binghamton.edu/organization/campus-climate-challenge-ccc)
[https://bengaged.binghamton.edu/organization/campus-climate-challenge-ccc]

[Student Environmental Awareness Club](https://bengaged.binghamton.edu/organization/student-environmental-awareness-club)
[https://bengaged.binghamton.edu/organization/student-environmental-awareness-club]

[Career and Professional Development](http://www.binghamton.edu/ccpd/) [http://www.binghamton.edu/ccpd/]

[Other student groups](http://binghamtonsa.org/executive-vp/current-student-groups/) [http://binghamtonsa.org/executive-vp/current-student-groups/]

*recently SA-chartered, so they do not have a link

Research Areas:

Internships and other forms of individual study are available to all interested and qualified students. Students can earn internship credits as GEOG 495 and independent study credits as GEOG 497.

Students should contact faculty advisors in the areas of their interest for further information. Geography majors with an overall 3.0 GPA and 3.3 GPA in geography can pursue honors in geography. Students must submit a report based on a project in their final year. The project can be based on an original research topic, an extension of an internship or an extension of a previous class project.

Thank you!

For more information contact the Geography Department at:
(607) 777-2755