

ONLINE POSTBACCALAUREATE CERTIFICATES IN GEOGRAPHIC INFORMATION SCIENCE

For those seeking a shorter-term graduate studies commitment, Kent State University offers several online [Postbaccalaureate Certificates in Geographic Information Science](#) (GISc). By [choosing a certificate](#) in Environmental GISc or General GISc, you can prepare for analytical and managerial positions that utilize geospatial technologies in specific focus areas.

PROGRAM BENEFITS

- Concentrate your studies with one of [two available certificates](#) to tailor your graduate school experience to your career needs
- Study within a flexible online program structure designed for full-time working professionals
- Grow your career with an advanced credential without committing to a full master's program
- No GRE required

PROGRAM STRUCTURE

- 100% online [coursework](#)
- 15 credits total
 - 12 credits from the certificate can later be applied toward the [online Master of Geographic Information Science \(MGISc\)](#)
- 5 courses
- Courses last 7 weeks each
- Graduate in as little as 1 year
- 3 annual start dates: January, May, August

WHAT YOU'LL LEARN

These certificate programs aim to expand your knowledge and skills in the geographic information science specialization of your choosing. You may explore the use of spatial programming analysis and web-enabled mapping technologies; master geospatial technologies used for planning, response, mitigation and recovery activities in the fields of emergency management, public safety and homeland security; or learn to manage large systems and big geospatial data.

THE CURRICULUM

GENERAL GISc:

Students must complete the following 3 courses, plus 2 additional courses offered from the [MGISc concentration areas or elective pool](#):

- GEOG 59070 – Geographic Information Science (3 Credits)
- GEOG 59080 – Advanced Geographic Information Science (3 Credits)
- GEOG 69164 – Cartographic Design (3 Credits)

ENVIRONMENTAL GISc:

Students must complete a minimum of 15 credits from the following courses:*

- GEOG 59072 – Geographic Information Science and Health (3 credits)
- GEOG 59078 – Geographic Information Science and Environmental Hazards (3 credits)
- GEOG 69004 – Quantitative Methods in Geography (3 credits)
- GEOG 69079 – Environmental Geographic Information Science (3 credits)
- GEOG 69083 – Geodatabases (3 credits)
- GEOG 69164 – Cartographic Design (3 credits)
- GEOG 69231 – Environmental Remote Sensing (3 credits)

*NOTE: Additional course options may be available at the department's discretion.