

The Ohio State University
College of Arts and Sciences

Geographic Information Science and Technology Graduate Certificate—Type 3A

Department of Geography
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Overview

This graduate certificate program provides students in various disciplines with training in geographic information science and technology (GIS&T). By completing this program, students will develop their methodological and technical skills in mapping, spatial analysis, remote sensing, and geospatial data analytics that will help them advance their research and career.

Certificate Requirements

Required: 12 hours

Introductory Courses

Required course

GEOG 5210 "Fundamentals of GIS" (3)

Elective courses

Choose no more than two of the following courses

GEOG 5103 "Intermediate Spatial Data Analysis" (3)

(prereq: GEOG 4103 or program coordinator permission)

GEOG 5200 "Cartography and Map Design" (3)

GEOG 5225 "Geographic Applications of Remote Sensing" (3)

Specialty Courses

Choose at least one from the following courses

GEOG 5201 "GeoVisualization" (3) (prereq: GEOG 5200)

GEOG 5212 "Spatial Database Design for GIS" (3)

(prereq: GEOG 5210 & CSE 1114 or GEOG 5210 & program coordinator permission)

GEOG 5222 "GIS Algorithms and Programming" (3) (prereq: GEOG 5212)

GEOG 5223 "Design and Implementation of GIS" (3) (prereq: GEOG 5222)

GEOG 5226 "Spatial Simulation and Modeling in GIS" (3)

**Geographic Information Science and Technology
Graduate Certificate program guidelines**

Credit hours required: A minimum of 12 credit hours. Credit hours must be at the 5000-level or above. All courses applied toward the certificate must be completed at Ohio State.

Overlap with courses in a degree

- The certificate must be in a different subject than the major program.
- Max 50% overlap with courses in a degree program (i.e. major, minor, or other certificate)
- Course work graded Pass/Non-Pass cannot be applied to the certificate.

X193 credits: Not permitted.

Grades required

- Minimum C- for a course to be listed on the certificate.
- Minimum of 3.00 cumulative GPA for all certificate course work.

Certificate approval: The certificate must be approved by the academic unit.

Consult with advisor:

For filing deadlines

For changes or exceptions to a certificate plan

College of Arts and Sciences
Curriculum and Assessment Services
306 Dulles Hall, 230 Annie & John Glenn Ave.
<http://artsandsciences.osu.edu>

Appr CAA 11-20-2019