

GEOSPATIAL, MAPPING, CERTIFICATE

(Code 140-604)

The Department of Geography and Anthropology offers a Geospatial Certificate Program with Four Options: Geospatial Certificate, Geospatial Certificate in Geographic Information Systems, Geospatial Certificate in Remote Sensing, and Geospatial Certificate in Mapping. The goals of the Certificate are:

1. to provide students with the fundamentals and a working knowledge of the core geospatial technology skills, specifically geographic information systems, remote sensing, field data collection (GPS and surveying) and spatial thinking,
2. to give students the option to specialize by choosing an emphasis in one of three different areas: Geographic Information Systems, Remote Sensing, or Computer Mapping, and
3. to expose students to ethical issues involved with the use of geospatial technology.

While the Certificate is targeted primarily at professionals in the workforce who want to further their education by adding this credential onto their existing degrees, it provides current UW-Eau Claire students an opportunity to add a specific high demand set of skills and associated credentials onto their already marketable liberal arts degree from UW-Eau Claire. Students can only receive one of the three specialized certificates due to the potential overlap between the electives. Also, students cannot pursue the Geography Major and any of the Geospatial Certificates to meet graduation requirements for completing a first and second degree program. For advising, see Professor C. Hupy (Geography and Anthropology).

Eighteen semester credits, including:

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| GEOG 335 | Geographic Information Systems I | 3 |
| GEOG 336 | Geospatial Field Methods | 3 |
| GEOG 337 | Geographic Information Systems II | 3 |
| GEOG 338 | Remote Sensing of the Environment | 3 |
| GEOG 339 | Computer Mapping | 3 |

Electives, select one of the following:

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| GEOG 370 | Quantitative Methods in Geography |
| GEOG 455 | Web Geographic Information Systems |