

GEOGRAPHIC INFORMATION SYSTEMS MINOR

Minor Code: GIS

Geosciences Department

160 Science and Math Complex

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geosciences.buffalostate.edu/ ([http://](http://geosciences.buffalostate.edu/)

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The Geographic Information Systems (GIS) minor allows students to gain the depth needed for many of the jobs available today requiring knowledge of spatial analysis and geographic data processing capabilities. GIS applications are found in many fields; such as business planning and operations management, epidemiology, criminology, land use planning and economic development, environmental management and conservation, military operations, emergency management, infrastructure management, transportation planning, and library sciences. The GIS minor provides students in any discipline the background and skills to use the technology to support decisions in their field of interest.

Program Requirements

| Code | Title | Credit Hours |
|--|---|--------------|
| Required Courses (9 credit hours) | | |
| GEG/PLN 325 | MAPS AND MAPMAKING USING GIS | 3 |
| GEG 425 | FUNDAMENTALS OF GIS | 3 |
| GEG 485 | INTERACTIVE AND WEB-BASED MAPPING | 3 |
| <i>Select three from the following:</i> | | 9 |
| CIS 151 | COMPUTER-BASED INFORMATION PROCESSING I | |
| GEG 418 | REMOTE SENSING | |
| GEG 428 | ENVIRONMENTAL ASSESSMENT AND PLANNING APPLICATIONS IN GIS | |
| GEG 429 | ADVANCED TOPICS IN GIS | |
| Total Credit Hours | | 18 |