

# GEOGRAPHIC INFORMATION SYSTEMS MINOR

GIS

## Geography and Planning

Classroom Building A213  
(716) 878-6216

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 list goes on. 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
<b>Required Courses (9 credit hours)</b>		
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 405	URBAN ANALYSIS USING GIS	
GEG 418	REMOTE SENSING	
GEG 427	CORPORATE APPLICATIONS IN GIS	
GEG 428	ENVIRONMENTAL ASSESSMENT AND PLANNING APPLICATIONS IN GIS	
GEG 429	ADVANCED TOPICS IN GIS	
Total Credit Hours		18