GIS @ Westfield State University


- GIS is data visualization and analysis – investigating relationships between variables across space and/or across time. GIS analysis not always creates (a) map(s), but uses a wide range of data visualization tools and techniques.

Westfield State University offers a range of GIS opportunities: students can take a couple of classes to get the basics or broaden their GIS experience by completing our GIS Certificate or our GIS Minor.

- GIS is a high-growth emerging industry with great job and salary opportunities and our GIS Minor and GIS Certificate give our students the competence and hands-on experience necessary to use GIS in their future careers.

Our state-of-the-art GIS Technology Center in Bates 022 is always available to the campus community for GIS teaching and learning.

GIS Across the Curriculum

Spatial thinking, spatial concepts, and spatial analysis are not the sole domain of geography and extend into many other disciplines, including planning, environmental sciences, public health, social services, homeland security, law enforcement, business and marketing, communications and media, political science, and more.

- GIS Specialty Courses
- Interdisciplinary GIS Application courses
- GIS as a tool used in a variety of science and non-science courses

GIS Certificate and GIS Minor

GIS skills are highly-marketable and a GIS Certificate or GIS Minor from Westfield State University demonstrates to potential employers a high level of GIS competence and experience. The GIS Certificate is awarded through our Division of Graduate and Continuing Education. Coursework may be taken during the day or evening offerings. Some coursework from other institutions may be accepted in transfer after review by the certificate director.

Interested? Contact Dr. Tim LeDoux (Campus GIS Coordinator, tledoux@westfield.ma.edu) or Dr. Carsten Braun (cbraun@westfield.ma.edu) to discover how GIS fits into your education, curriculum, course offerings, and workflow.

More information is at www.westfield.ma.edu/gis
A GIS stores information about the world as a collection of thematic layers that can be linked together by geography. This simple but extremely powerful and versatile concept has proven to be invaluable for solving many problems, from tracking delivery vehicles to recording details of planning applications, to modeling global atmospheric circulation.

More information is at [www.westfield.ma.edu/gis](http://www.westfield.ma.edu/gis)