



THE UNIVERSITY OF MAINE AT
MACHIAS
Naturally!

Do you love cyberspace and the great outdoors?

Have we got a program for you!



GIS at UMM!

How do you combine an interest in computers and the environment? Geospatial technology is the answer. Environmental and outdoor professionals with high tech mapping and GPS skills are needed in careers all over the world. Put your digital skills to work to help the environment! New programs and state-of-the-art facilities at UMM give you the knowledge, experience and skills you need for a fun and fulfilling career.

What is GIS?

You may not know it, but geographic information systems (GIS) technology is everywhere! Have you ever used web-based map services like Google Maps or MapQuest? Have you ever used a GPS in your car, cell phone or on a camping trip? Have you ever tracked a package en route to you via a delivery service like UPS or FedEx? If you answered yes to any of these questions, you have used GIS technology.

GIS refers to computer software, hardware, data, and methods that allow users to easily collect, store and manage map information, create maps, and analyze spatial relationships. With GIS, you can ask geographic questions, solve geographic problems, and communicate geographic ideas. It's used in government, education and the private sector.

GIS professionals are in demand!

The U.S. Department of Labor classifies geospatial technology as one of the 12 fastest growing industries. In environmental and outdoor recreation fields, applicants with GIS skills are in increasing demand, making them more competitive in today's tough job market.



What's the UMM advantage?

Our GIS courses stress hands-on service learning along with relevant theory. You'll get practical experience addressing real-world problems and questions. You'll get to test your mapping and geospatial analysis skills in projects with local organizations, companies or agencies, providing valuable services while learning to apply GIS in the real world. By graduation you'll be prepared for a job.

Real projects, real experience!

Here are a few recent student projects at UMM:

- Students and interns have collaborated with local land trusts to map resources like vital habitat, working farms and waterfront, and scenic vistas.
- Students developed a set of maps to help the Town of Machiasport manage their harbors, shorelines, and clam flats.
- Students worked with the Passamaquoddy Tribe to map and preserve ancient petroglyphs.
- The Town of Jonesboro is using maps designed by students to create a comprehensive plan.

Why study Environmental Studies or Recreation and Tourism Management?

We offer programs designed to meet the specific needs of growing industries with a need for technically skilled professionals. Not ready to commit to a four-year degree program? Through our partnership with Washington County Community College in Calais, you can earn an Associate of Science in GIS Applications in just two years. Current options include:

- Environmental Studies with GIS concentration
- Environmental Recreation and Tourism Management with GIS minor
- Associate of Science in GIS Applications (through our partnership with Washington County Community College)
- Marine Biology with GIS minor

UMM's programs are hands-on!

Beyond your classroom studies you will have opportunities to pursue practical, work-based learning experiences. This can either be through service projects, cooperative education or internships, all for college credit. You could find yourself working at a government agency, an environmental consulting firm, a local non-profit, an industrial plant, a national park, or a wildlife refuge.

Our faculty focus on you!

UMM faculty specialize in getting you outdoors! Faculty are your advisors and guide you in structuring and completing the program which best suits your interests and career goals. Course offerings are rigorous and of the highest quality, and from the very beginning, you'll work closely with your professors in the classroom, lab, and field. At UMM we take a personal approach to education.

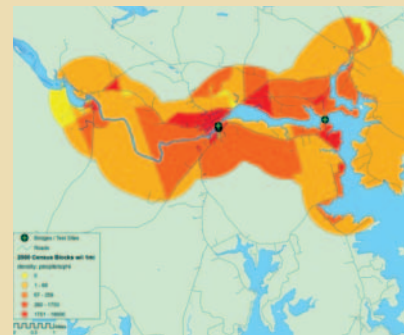
A unique curriculum, an extraordinary place, an affordable price.

UMM is at the headwaters of the Machias River Estuary. We're surrounded by forests, fields, blueberry land, lakes, rivers and the Atlantic Ocean. Nearby are Acadia National Park, Moosehorn National Wildlife Refuge, and the Bay of Fundy. The region is home to bald eagles, peregrine falcons, and many species of whales, including the endangered North Atlantic right whale. You can literally step out of the classroom and into an unspoiled natural laboratory.

All our programs are environmentally aware and community-centered, and all at an affordable price. Our campus community is close-knit and nurturing. Students work directly with faculty, often participating in their research projects. State-of-the-art computer facilities and distance learning technology support learning and link us worldwide.

What would you like to do with GIS?

Contact us and we'll help you map out a plan that takes you where you want to go.



Find out more about GIS at UMM! Visit www.umm.maine.edu/gis or call 255.1214.