Geospatial Analysis & Technology

Interested in using advanced technology and mapping fascinating landscapes? Well then a geospatial technology and analysis major is for you! UW-Eau Claire has geospatial experts who push the boundaries of their field and collaborate closely with you. Expect to use advanced equipment such as global positioning systems and remote sensing, giving you real-world experience. This degree will give you the skills you need to start an exciting career in a rapidly growing field.

Major

Comprehensive major (no minor required)

- **Geography** - Geospatial Analysis and Technology

Certificates

- **Geospatial** - Geographic Information Systems
- **Geospatial- Remote Sensing**
- **Geospatial**

Where you'll find our grads

- Continental Mapping
- Ayres Associates
- Xcel Energy
- Kapur and Associates

Prepared for Success

Gain cutting-edge skills in a field that is rapidly growing. Geospatial refers to global positioning systems, geographic information systems, computer cartography and other geographical technology. These devices acquire, analyze and communicate information connected to a specific location. In addition, these technologies and the resulting spatial data are in demand as their utility in decision making and problem solving becomes evident across industries ranging from health care to business development.

The U.S. Department of Labor has listed geospatial technology and its

"The faculty completely support their students from promoting research to helping students find internships. They have gone above and beyond their call of duty, their interest in me ultimately landed me a once-in-a-lifetime opportunity for the fellowship and internship for the Environmental Protection Agency in Denver, Colorado."

— Emily Moothart | President, Geography and Anthropology Club

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Geospatial Analysis & Technology (continued)

use as one of 14 "high-growth, high-demand and economically vital sectors of the American economy" and estimates its growth rate to be almost 35 percent annually. Typical salary for jobs in this field range from $40,000 - $60,000 a year.

Many programs offer pieces of what UW-Eau Claire does, but what we do differently is offer Blugolds a whole package of classes in this field so they graduate with a highly specialized set of skills along with the liberal arts foundation.

Why UW-Eau Claire

Scholarships

The geography and anthropolgy department offer a range of scholarships that help provide opportunities for students to attend conferences, study abroad and perform research. The scholarships offered include the following:

- Four renewable Geography scholarships for incoming freshmen
- Up to ten merit-based scholarships for Geography majors
- Study abroad scholarships for all Geography students

Additionally, scholarships are awarded to students who present their research at regional, national and international conferences as a way to offset their travel costs. Lastly, the Geography department pays the initiation fee for all students who are accepted into the International Geographic Honorary Society.

Hands-On Experience

Many of the innovative courses in this major include hands-on learning experiences that happen in and out of the classroom such as working with unmanned aerial systems and LiDar.

Faculty Experts

Our faculty lead trips across the United States, collaborate with you for one-of-

a-kind research and push the limits of your imagination. They do all this while teaching courses that encourage critical thinking and communication skills that prepare you for many 21st century careers. You'll be met with high expectations from the faculty and staff, and given all the tools to exceed them.

Internships

Faculty and staff have established connections with employers so Blugolds have access to paid and unpaid internships. While some of these occur over the summer, in certain instances students continue to serve as interns during the semester, which provides a unique educational opportunity. Majors are required to complete an internship or capstone as part of this major. Examples of recent internships include the following:

- Michels--Unmanned Aerial Systems, ESRI ArcCollector Design
- Xcel Energy--Geographic Information Systems Management and Analysis
- Eau Claire County--Geographic Information Systems and Analysis

Research Opportunities

You'll have research experiences that prepare you for your career while working closely with expert faculty. And UW-Eau Claire is one the best places to conduct research — you get to use advanced equipment and study fascinating places on and off campus. The research opportunities the department of geography and anthropology offer are usually only available to graduate students at other universities. You'll study things like the Chippewa River, gentrification trends or hypoxic zones in the Mississippi River delta. Unique experiences like

these create highly marketable skills.

Innovative Facilities

The world is a geographer's classroom! You can study beautiful natural landmarks right around Eau Claire like the Chippewa River — or on travels to places like Hawaii or France. You'll research these landmarks using the latest equipment like unmanned aerial systems (UAS), global positioning system (GPS) and ground penetrating radar (GPR). After seeing the sites and gathering data you'll take your findings back to one of the department's state-of-the-art curricular or research labs equipped with the top-notch hardware and industry standard software. All of these facilities and equipment come together to provide you unique spatial insight found nowhere else.

Program Options

As a Blugold, you will have the opportunity to take introductory level classes to help you discover which specific direction you want to pursue, Geographic Information Systems (GIS) or Remoting Sensing. Once you have decided, you will learn from professors who are industry leaders.

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