GEOSPATIAL DATA SCIENCE, CERTIFICATE

ADVISING AND CAREERS

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Students with questions about the certificate, courses, and careers are encouraged to contact the undergraduate academic advisor.

Data science is a critical skill for the 21st-century workforce. Similarly, geographic information science (GIS) is one of the fastest growing sectors globally. The global GIS market size is projected to reach $681 billion in 2025, with an estimated rapid growth rate anticipated post-2025, culminating in a valuation of $1.44 trillion by 2030. This growth is driven by strategic public policy reforms, industry acceleration strategies, and innovations in AI and data science technologies. In an era dominated by big data, students require expertise in specialized programming languages, technical hardware, and the continuously evolving algorithms, methods, and tools essential for acquiring, processing, utilizing, publishing, and preserving vast volumes of geospatial data. In response, the Geospatial Data Science curriculum helps prepare students to become the next generation of geospatial data scientists and professionals, equipped with essential skills in spatial data analysis, geovisualization, AI, critical thinking, and problem-solving to meet both the needs of industry and academia.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students