

Have You Seen This Major?

Geospatial Science uses information technology to understand people, places, and processes on the earth. The Geospatial Science major at MSU offers a solid training for students with carefully selected courses in consultation

with professionals from the private and public sectors. The courses include the analysis of available source material, map design, photogrammetric compilation, geographic information systems, global positioning systems, remote sensing information interpretation, digital image processing, and land surveying.

A student with this major can pursue many job opportunities. This may include:

- * Geospatial Analyst/Consultant
- * Land Surveyor
- * Urban/Regional Planner
- * Environmental/GIS Specialist



This program is balanced in theory and practical applications. Virtually all graduates get multiple job offers. Graduate school is generally not required.

*Students with questions are welcome to contact Dr. Jun Luo
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FREQUENTLY ASKED QUESTIONS

ABOUT THE DEGREE

Does this major require a minor? What minors work well with this major?

- No. This is a comprehensive major. However, a broad range of minors may work well as an additional complement to the Geospatial Science major, including biology, geology, environmental sciences and policy, anthropology, and criminology.

Does this major require a practicum or internship?

- No. But students have opportunities to work as interns and receive credit.

What courses should a student take to explore this major?

- GRY 100 (World Regional Geography); GRY 142 (Intro to Physical Geography); GRY 363 (Intro to Geospatial Science)

What are the admission requirements to the major?

- Follow the general MSU admission requirements.

What Skills are necessary to excel in this major?

- Critical and spatial thinking
- Quantitative analysis
- Strong computer skills

AFTER THE DEGREE

How would you describe the demand for graduates with this major? What are some types of jobs for which your graduates are prepared to apply?

- The demand for geospatial graduates is increasing. There are many geospatial science positions with governmental agencies, but the demand for mapping in private industry is growing rapidly as well. Engineering and planning firms, petroleum exploration companies, utilities and transportation companies employ cartographic specialists. Within the federal government, some of the major mapping and charting agencies include the United States Geological Survey, National Geospatial—Intelligence Agency, the Census Bureau and the Central Intelligence Agency. For the past several years, Missouri State University has been an important source of geospatial scientists for a number of major government agencies and private industry.

What are some typical jobs for graduates with this major?

- Geospatial analyst/ consultant; Land Surveyor; Urban/ regional planner; Environmental/GIS specialist

What are some of the most successful graduates from the major doing?

- Cartographer for Garmin; Analyst for National Geospatial– Intelligence Agency; Founder/ owner of environment consulting firm; Director, Greene County Planning and Zoning Department.

What websites, books or other resources would you recommend for students who would like more information?

- <http://www.missouristate.edu/majors/apg/GeospatialSciences.htm>
- <http://www.esri.com>
- <http://pro.arcgis.com>
- <http://eros.usgs.gov>