

# Graduate Certificate in Geospatial Analytics

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The Graduate Certificate in Geospatial Analytics will enable students from multiple different graduate programs at the University of Missouri, as well as professionals in the workforce, to receive education and training in the emerging field of Data Science as it applied to the fields of Geographic Information Systems (GIS), location-based systems and services, and related fields (e.g., epidemiology). Data science skills are increasingly necessary for all fields of advanced study due to the emergence of large-scale data and the incumbent challenges across academia and industry.

## Requirements

A total of 12 credit hours of coursework is required for the Certificate.

### Required Courses:

DATA_SCI 7010	Principles of Data Science and Analytics	3
DATA_SCI 7030	Applied SQL for Database and Analytics	3
DATA_SCI 8510	Geospatial Data Engineering and Geodatabase Development	3
DATA_SCI 8520	Spatial Analytics and Geostatistical Analysis	3

### Additional Course Eligible for Substitution:

DATA_SCI 8530	Geospatial AI and Image Analysis	3
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