![Mizzou University of Missouri logo]

Graduate Certificate in Geospatial Intelligence

An education in geospatial intelligence theories, methods, and applications is central to many problem-solving tasks and as such, students with proficiency in these areas are well-suited for an array of employment positions in sectors such as academia, military, intelligence analysis, emergency response and disaster management, law enforcement, etc.

Requirements

A student must complete a minimum of 18 hours of approved coursework and must earn a grade of at least B (3.0) in these courses. Seven courses must be successfully completed, with at least three courses selected from Group A – Technical Core Group; one course from Group B - Analytical Core Group; one course from Group C – Technical Elective Group; and one course from Group D – Analytic Electives. The final course must be a capstone experience in geospatial intelligence (GEOG 7130). A course may only count toward one of the coursework groups. It is important to note that for degree seeking students, courses can typically only be credited to one certificate program at MU (i.e., not counted as credit toward multiple certificates). The MU Graduate Certificate in Geospatial Intelligence will be awarded by MU after successful completion of the coursework and this accomplishment will appear in the student's academic transcript. Successful completion of the MU Graduate Certificate in Geospatial Intelligence also meets the criteria of MU's United States Geospatial Intelligence (USGIF) (http://usgif.org/) accredited certificate program in geospatial intelligence. As such, upon the completion of the graduate certificate, the USGIF will be notified of the student's accomplishment and will award the student their official certificate.

Technical Core (6 Credits- Choose two courses)		6
GEOG 7840	Geographic Information Systems I	
GEOG 7940	Advanced Geographic Information Systems (GIS II)	
GEOG 7860	Advanced Remote Sensing	
GEOG 8840	Seminar: Applied Remote Sensing	
Analytical Core (3 Credits - Choose one Course)		**3**
GEOG 7850	Transportation Geography	
GEOG 7790	Geographic Information Systems for the Social Sciences	
Technical Elective (3 Credits - choose 1 course)		**3**
GEOG 7710	Spatial Analysis in Geography	
GEOG 7740	Location Analysis and Site Selection	
GEOG 7810	Landscape Ecology and GIS Analysis I	
GEOG 7860	Advanced Remote Sensing	
GEOG 7940	Advanced Geographic Information Systems (GIS II)	
ISE 7001	Topics in Industrial and Systems Engineering	
DATA_SCI 8520	Spatial and Geostatistical Analysis	
DATA_SCI 8010	Data Analytics with Applied AI and Machine Learning	
CV_ENG 7720	Watershed Modeling Using GIS	
Analytical Electives (3 Credits -choose 1 course)		**3**
GEOG 7770	Migration and Immigration	

GEOG 8270	Seminar in the Geography of the Middle East	
GEOG 8710	Seminar	
NU_ENG 7330	Science and Technology of Terrorism and Counter Terrorism	
NU_ENG 7331	Nonproliferation Issues for Weapons of Mass Destruction	
Capstone Experience - Communication & Legal		**3**
GEOG 7130	The Geospatial Sciences in National Security	

Admission

For admission requirements, refer to the Graduate School's website for the minimum qualifications for the Graduate School (https://gradschool.missouri.edu/admissions/eligibility-process/). Before official admissions to the University of Missouri, your application materials will be reviewed by both the Graduate School and the Geospatial Intelligence Certificate Program.

Students wishing to graduate Geospatial Intelligence Certificate should complete the program of study. The program of study should be completed by the student at the time he/she begins the graduate certification program, and filed with the program Director (Dr. Matisziw).

Inquiries regarding this certificate program can be directed to:

Dr. Tim Matisziw (matisziwt@missouri.edu), Director MU Graduate Certificate in Geospatial Intelligence
Department of Geography, Department of Civil & Environmental Engineering, Informatics Institute