Geospatial Information Science and Technology (MR)

Degree Requirements

Code	Title	Hours
Core Courses		**21**
GIS 501	Geospatial Professionalism	
GIS 510	Fundamentals of Geospatial Information Science and Technology	
GIS 530	Spatial Data Foundations	
GIS 540	Geospatial Programming	
GIS 550	Geospatial Data Structures and Web Services	
GIS 582	Geospatial Modeling	
GIS 590	Geospatial Information Science Master's Project	
GIS 660	MGIST Professional Portfolio	
Elective Courses		**12**
Choose 12 credit hours of electives from the "Elective Courses" listed below, at least 6 of which must be GIS prefix courses		
Total Hours		**33**

Elective Courses

Code	Title	Hours
Select at least six hours of GIS prefix courses below:		**6**
GIS 511	Coding for Geospatial Applications	
GIS 512	Introduction to Environmental Remote Sensing	
GIS 515	Cartographic Design	
GIS 517	GIS Applications in Landscape Architecture and Environmental Planning	
GIS 520	Geospatial Data Science and Analysis	
GIS 521	Surface Water Hydrology with GIS	
GIS 535	Web and Mobile GIS Protocols	
GIS 495	Special Topics in GIS	
GIS 595	Special Topics in Geospatial Information Science	
GIS 584	Mapping and Analysis Using UAS	
GIS 609	Geospatial Forum	
GIS 610	Special Topics in Geospatial Information Science	
GIS 630	Independent Study in Geospatial Information Science	
SSC 540	Geographic Information Systems (GIS) in Soil Science and Agriculture	
BAE 535	Precision Agriculture Technology	
BAE 536	GIS Applications in Precision Agriculture	
MEA 511	Introduction to Meteorological Remote Sensing	
MIE 501	Strategic Management Foundations	
HI 535	Spatial History	
BUS 554	Project Management	
COM 521	Communication and Globalization	
COM 530	Interpersonal Communication in Science and Technology Organizations	
ST 501	Fundamentals of Statistical Inference I	
ST 502	Fundamentals of Statistical Inference II	
ST 511	Statistical Methods For Researchers I	
ST 513	Statistics for Management and Social Sciences I	
ST 514	Statistics For Management and Social Sciences II	
ST 533	Applied Spatial Statistics	
ST 555	Statistical Programming I	
ST 556	Statistical Programming II	
Total Hours		**6**

* Other courses not listed can be approved as an elective upon consultation with an advisor.

Faculty

Director

Eric Money

Full Professors

Sankarasubramanian Arumugam

DelWayne R. Bohnenstiehl

Thomas J Kwak

Yu-Fai Leung

Ross Kendall Meentemeyer

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Stacy A. C. Nelson

Erin Sills

Ranga Vatsavai

Karl Wegmann

Associate Professors

Joshua Gray

Jelena Vukomanovic

Adjunct Associate Professor

Frank Koch

Associate Teaching Professors

Eric Money

Stacy Supak

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Lecturers

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