

Geospatial Information Science and Technology (MR)

Degree Requirements

Code	Title	Hours	Counts towards
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 Fundamentals		
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
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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
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Elective Courses

Code	Title	Hours	Counts towards
Select at least six hours of GIS prefix courses below:		6	
GIS 512	Introduction to Environmental Remote Sensing		
GIS 515	Cartographic Design		
GIS 517	GIS Applications in Landscape Architecture and Environmental Planning		

GIS 520	Spatial Problem Solving
GIS 521	Surface Water Hydrology with GIS
GIS 532	Geospatial Data Science and Analysis
GIS 535	Web and Mobile GIS Protocols
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
SSC 545	Remote Sensing Applications in Soil Science and Agriculture
BAE 535	Precision Agriculture Technology
BAE 536	GIS Applications in Precision Agriculture
MEA 511	Introduction to Meteorological Remote Sensing
HI 535	Spatial History
BUS 501	Strategic Management Foundations
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

Full Professors

Sankarasubramanian Arumugam

DelWayne R. Bohnenstiehl

David A. Crouse

George D. Garson

Christopher Graham Healey

Ronnie William Heiniger

George R. Hess

Hamid Krim

Thomas J Kwak

Duane K. Larick

Yu-Fai Leung

Jay Frederick Levine

Ross Kendall Meentemeyer

Helena Mitsova

Stacy A. C. Nelson

Margery Frances Overton

William John Rasdorf

Gary T. Roberson

Sandra E. Yuter

Associate Professors

William R. Smith

Ranga Raju Vatsavai

Karl William Wegmann

Jeffrey G. White

Stephen B. Wiley

Assistant Professors

Jelena Vukomanovic

Practice/Research/Teaching Professors

Perver Korca Baran

Eric Shane Money

Stacy Kathleen Supak

Laura Gray Tateosian

Vaishnavi Thakar