

Office of Academic Affairs

3501 Lee Hall
 P.O. Box BQ
 Mississippi State, MS 39762

Three academic programs are housed in the Office of Academic Affairs:

- Geospatial and Remote Sensing Minor on the Starkville Campus
- Master's Program in Physician Assistant Studies on the Meridian Campus
- Computational Biology

Complete information on both programs is found in this section of the Graduate Catalog.

Department	Degree and Major	Concentration	Thesis	Non-Thesis	Starkville	Meridian	Distance
Academic Affairs	Minor in Remote Sensing				X		
Academic Affairs	Master of Physician Assistant Studies			X		X	
Academic Affairs	Master of Science - Computational Biology		X		X		X

Geospatial and Remote Sensing Minor

Director: Dr. John Rodgers
 Department of Geosciences
 355 Lee Blvd, 108 Hilbun Hall
 Mississippi State University, MS 39762
 Telephone: 662-325-3915
 E-mail: jcr100@msstate.edu
 Mailstop: 9537

The Geospatial and Remote Sensing (GRS) minor is a cross-disciplinary program that allows students from any major to develop and enhance their geospatial skills. Students will learn important theoretical concepts associated with geographic information systems and remote sensing sciences, and they will acquire the ability to use these methods to solve spatial problems. Graduate students must complete a minimum of 12 hours of GRS coursework at Mississippi State University with a grade of C or higher from a list of approved courses. A 3.00 GPA is required. An MSU Graduate Faculty member with geospatial expertise must serve as minor professor on the student's graduate committee.

A student who chooses this minor must have the approval of his or her graduate committee and graduate coordinator in the major field. The minor coursework is then included on the student's program of study and is approved by the minor graduate coordinator.

GIS requirement: Choose one of the following. 3

FO 6471

and

FO 6472

GR 6303 Principles of GIS

WFA 6253 Application of Spatial Technologies to Wildlife and Fisheries Management

Remote Sensing: Choose one of the following. 3

FO 6453 Remote Sensing Applications

GR 6333 Remote Sensing of the Physical Environment

ECE 6423 Introduction to Remote Sensing Technologies

or ABE /PSS 6483 Introduction to Remote Sensing Technologies

Advanced Geospatial Coursework: Choose one of the following. 3

FO 6313 Spatial Technologies in Natural Resources Management

FO 8313 Spatial Statistics for Natural Resources

FO 8353 Ecological Modeling in Natural Resources

FO 8173 Advanced Spatial Technologies

GR 6313 Advanced GIS

GR 6343 Advanced Remote Sensing in Geosciences

GR 8303 Advanced Geodatabase Systems

Geospatial Applications : Choose one of the following. Courses must be different from the ones taken from the above categories. A course may not be used to satisfy more than one requirement. 3

ECE 6413 Digital Signal Processing

ECE 8401 Current Topics in Remote Sensing

ECE 8473 Digital Image Processing

GR 6323 Cartographic Sciences

GR 6353 Geodatabase Design

GR 6363 Geographic Information Systems Programming

GR 6411 Remote Sensing Seminar

or PSS /ECE /FO 6411 Remote Sensing Seminar

PSS 6373 Geospatial Agronomic Management

The following courses listed in the categories above can also meet this requirement if not used in another category.

FO 8173 Advanced Spatial Technologies

FO 8313 Spatial Statistics for Natural Resources

FO 8353 Ecological Modeling in Natural Resources

GR 6313 Advanced GIS

GR 6343 Advanced Remote Sensing

ST 4313 Spatial Statistics

Total Hours

12