Office of Academic Affairs

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.

<table>
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<tr>
<th>Department</th>
<th>Degree and Major</th>
<th>Concentration</th>
<th>Thesis</th>
<th>Non-Thesis</th>
<th>Starkville</th>
<th>Meridian</th>
<th>Distance</th>
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<td>Academic Affairs</td>
<td>Minor in Remote Sensing</td>
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<td>Master of Physician Assistant Studies</td>
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<tr>
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<td>Master of Science - Computational Biology</td>
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Geospatial and Remote Sensing Minor

**Director: Dr. John Rodgers**
Department of Geosciences
355 Lee Blvd, 108 Hilburn 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.

- **FO 6471**
- **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.

- **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.

- **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 8343** 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.

- **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

### Total Hours

12