

# Environmental Remote Sensing & Image Analysis (Minor)

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This minor provides graduate students the opportunity to develop a recognized academic credential in remote sensing and image analysis in conjunction with their major program of graduate study. Twelve credit hours, 6 credit hours of required courses and 6 credit hours of elective courses, is required to complete the minor.

Other Requirements: A GIST graduate faculty member must be on the student's graduate committee. A list of currently approved faculty members can be provided to students upon request. If no graduate committee is required by the student's program, the student must obtain approval of his or her minor program. Students enrolled in Option B Masters programs are not eligible to declare a minor. Certificate coursework and Minor coursework must be completely independent.

## Plan Requirements

Code	Title	Hours
<b>Core Courses</b>		<b>6</b>
GIS 512 or GIS 712	Introduction to Environmental Remote Sensing Environmental Earth Observation and Remote Sensing	
ST 533 or ECE 514	Applied Spatial Statistics Random Processes	
<b>Elective Courses</b>		<b>6</b>
Select two courses of the following: <sup>1</sup>		
GIS 512	Introduction to Environmental Remote Sensing	
GIS 520	Spatial Problem Solving	
GIS 530	Spatial Data Foundations	
GIS 595	Special Topics in Geospatial Information Science	
GIS 584	Mapping and Analysis Using UAS	
GIS 712	Environmental Earth Observation and Remote Sensing	
SSC 545	Remote Sensing Applications in Soil Science and Agriculture	
BAE 536	GIS Applications in Precision Agriculture	
MEA 511	Introduction to Meteorological Remote Sensing	
ST 533	Applied Spatial Statistics	
ECE 751	Detection and Estimation Theory	
ECE 759	Pattern Recognition	
Total Hours		12

<sup>1</sup> Additional courses may be decided in conjunction with the academic committee.

## Faculty

### Full Professors

Ross Meentemeyer

Helena Mitsova

Stacy Nelson

Gary Roberson

Sandra Yuter

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### Associate Professors

Mirela Tulbure

Jeffrey White

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### Assistant Professors

Josh Gray

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### Practice/Research/Teaching Professors

Perver Baran

Stacy Supak

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### Emeritus Faculty

Hugh Devine

Siamak Khorram