

# REMOTE SENSING AND IMAGE PROCESSING GRADUATE CERTIFICATE

**Banner Code:** SC-CERG-RSIP

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This certificate program focuses on the skills needed to take advantage of the enormous increase in the availability and use of remotely sensed data related to the Earth. Ideal candidates for this certificate are those who have a background in Earth and environmental sciences and are working in or planning to enter into the field of remote sensing, Earth observing, or image processing.

The Remote Sensing and Image Processing Graduate Certificate may be pursued on a part-time or full-time basis.

## Admissions & Policies

### Admissions

University-wide admissions policies can be found in the Graduate Admissions Policies (<http://catalog.gmu.edu/admissions/graduate-policies/>) section of this catalog.

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Applicants to this certificate program must submit a current résumé. GRE scores and letters of recommendation are not required but will strengthen an application, if available.

To apply for this program, please complete the George Mason University Admissions Application (<https://www2.gmu.edu/admissions-aid/apply-now/>).

### Policies

For policies governing all graduate programs, see AP.6 Graduate Policies (<http://catalog.gmu.edu/policies/academic/graduate-policies/>).

### Premium Tuition Rate

This professional certificate program charges students at a differential (premium) tuition rate. This rate applies to all students who enroll in this certificate program, regardless of in-state or out-of-state status. The differential tuition will be used to fund continuing improvements in the departmental computational facilities used to support the certificate program.

## Requirements

### Certificate Requirements

Total credits: 15

This certificate may be pursued on a full-or part-time basis.

Students should refer to the Admissions & Policies tab for specific policies related to this program.

### Core Courses

Code	Title	Credits
GG5 579	Remote Sensing	3
GG5 680	Earth Image Processing	3
GG5 740	Hyperspectral Imaging Systems	3
Total Credits		9

### Electives

Code	Title	Credits
Select two electives from the following:		6
GG5 622	Drone Remote Sensing	
GG5 626	Physical Fundamentals of Remote Sensing	
GG5 629	Remote Sensing of the Environment and Earth System	
GG5 754	Earth Science Data and Advanced Data Analysis	
GG5 760	Advanced Topics in Remote Sensing	
GG5 777	Remote Sensing Natural Hazards	
GG5 787	Scientific Data Mining for Geoinformatics	
GG5 840	Hyperspectral Imaging Applications	
Total Credits		6