

## APPLICATION FOR GRADUATE CERTIFICATE IN REMOTE SENSING (RS)

Remote Sensing (RS) technologies are applied to a wide-range of fields, such as environmental/resource management, marketing, facility management, agriculture, planning, homeland security and intelligence. In addition, the synergistic linkages between RS technologies and Geographic Information Systems (GIS) are increasing. The need for qualified individuals in these fields is growing rapidly. The RS certificate program has been designed to meet this demand.

### Certificate application

Please complete, sign and return this application for the Graduate Certificate in Remote Sensing (RS) to Madysen Rydeen, ESSM graduate academic advisor, [mrydeen@tamu.edu](mailto:mrydeen@tamu.edu), after all coursework is completed and at least two months prior to your graduation.

*Note! The RS certification will be noted on your official transcript. There is not a paper certificate.*

### Certificate guidelines

1. Students must be admitted to Texas A&M University as a G6 (non-degree seeking), G7 (master's) or G8 (doctoral) student. (See the Admissions Web site at [admissions.tamu.edu](http://admissions.tamu.edu).)
2. The program consists of 12 credit hours, including three foundation courses and one elective. Students must choose courses from the approved list on page 2.
3. Students must maintain a 3.0 GPA for all applicable course work.
4. Classes taken for the RS certificate cannot be used in lieu of courses required for the Geographic Information Systems certificate or vice versa.
5. Substitutions/exceptions: Must be submitted to the GIS/RS Graduate Certificate Committee for consideration and acceptance. The letter of petition must include:
  - RS classes taken or in progress;
  - a syllabus for each course to be considered for substitution;
  - the corresponding required course for which substitution is requested; and
  - detailed work experience in applicable field.

For a petition to be considered, it must be completed and returned to Madysen Rydeen, [mrydeen@tamu.edu](mailto:mrydeen@tamu.edu), by October 15 for fall semester or February 15 for spring semester.

6. It is the sole responsibility of the student to complete and submit the Remote Sensing Certificate Application form during the semester of graduation. All coursework for the certificate must be complete (not in progress) when students apply for the certificate.
7. Students must submit the signed certificate application form two months prior to graduation to Madysen Rydeen, ESSM graduate academic advisor, [mrydeen@tamu.edu](mailto:mrydeen@tamu.edu).

This certificate is administered jointly through the departments of Ecosystem Science and Management and Geography. If you have any questions, please contact:

- Madysen Rydeen, ESSM graduate academic advisor, at 979.862.6470 or [mrydeen@tamu.edu](mailto:mrydeen@tamu.edu),
- Spatial Science Lab (SSL) at 979.862.7956, or
- Dr. Andrew Klein, Department of Geography, 979.845.5219 or [klein@tamu.edu](mailto:klein@tamu.edu).

# Texas A&M University College of Agriculture and Life Sciences

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### STUDENT INFORMATION

**NAME:** \_\_\_\_\_ **UIN:** \_\_\_\_\_

**EMAIL ADDRESS:** \_\_\_\_\_

**DEPARTMENT:** \_\_\_\_\_ **MAJOR:** \_\_\_\_\_ **DEGREE:** \_\_\_\_\_

**STUDENT SIGNATURE:** \_\_\_\_\_

### COURSES COMPLETED

Course	Credits	Semester/year taken	Grade
<b>Introductory level (one is required)</b>		<b>3</b>	
____ ESSM 655      Remote Sensing of the Environment		_____	_____
____ GEOG 651      Remote Sensing for Geographical Analysis		_____	_____
<b>Intermediate level (both are required)</b>		<b>6</b>	
____ ESSM 656      Advanced Remote Sensing		_____	_____
____ GEOG 661      Digital Image Processing and Analysis		_____	_____
<b>Specialized GIS courses (one is required)</b>		<b>3</b>	
____ ATMO 655      Satellite Data in Meteorology		_____	_____
____ ECEN 642      Digital Image Processing		_____	_____
____ ECEN 649      Pattern Recognition		_____	_____
____ GEOG 696      Geomorphology and Remote Sensing		_____	_____
____ INTA 653      Technical Collection Systems for Int'l Security		_____	_____

**TOTAL SEMESTER CREDIT HOURS** **12**

**Verified by:**

\_\_\_\_\_  
Faculty/Staff Person managing certificate

\_\_\_\_\_  
Date

\_\_\_\_\_  
Department Head or Associate Head

\_\_\_\_\_  
Date

\_\_\_\_\_  
Dean or Associate Dean

\_\_\_\_\_  
Date