

## APPLICATION FOR GRADUATE CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS (GIS)

GIS technologies are applied to wide-ranging fields with interests in spatially distributed information such as transportation, environmental/resource management, marketing, facility management, healthcare delivery, agriculture and planning. In addition, the synergistic linkages between GIS and Remote Sensing (RS) technologies are increasing. The need for qualified individuals in these fields is growing rapidly. The GIS certificate program has been designed to meet this demand.

### Certificate application

Please complete, sign and return this application for the Graduate Certificate in Geographic Information Systems (GIS) to Madysen Rydeen, ESSM graduate academic advisor, mrydeen@tamu.edu, after all coursework is completed and at least two months prior to your graduation.

*Note! The GIS 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.)
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 GIS certificate cannot be used in lieu of courses required for the Remote Sensing 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:
  - GIS 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, 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.

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,
- Spatial Science Lab (SSL) at 979.862.7956, or
- Dr. Andrew Klein, Department of Geography, 979.845.5219 or 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 651/BAEN 651 GIS for Resource Management		_____	_____
____ GEOG 660 Applications in GIS		_____	_____
<b>Intermediate level (both are required)</b>		<b>6</b>	
____ ESSM 652/BAEN 652 Advanced Topics in GIS		_____	_____
____ GEOG 665 GIS-based Spatial Analysis and Modeling		_____	_____
<b>Specialized GIS courses (one is required)</b>		<b>3</b>	
____ ENTO 625/GEOG 625 Landscape Ecology		_____	_____
____ ESSM 660 Landscape Analysis and Modeling		_____	_____
____ ESSM 665 Comp. Programming for Nat. Res. Apps.		_____	_____
____ PLAN 625 GIS in Landscape and Urban Planning		_____	_____

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

**Verified by:**

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

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Date