

APPLICATION FOR GRADUATE CERTIFICATE IN GEOGRAPHIC INFORMATION SCIENCE (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 Science (GIS) to the ESSM graduate programs academic advisor 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 the ESSM graduate programs academic advisor 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 Geographic Information Science 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 the ESSM graduate programs academic advisor.

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

- ESSM graduate programs academic advisor, at 979.862.6470,
- 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
Introductory level (one is required)		3	
_____ ESSM 651/BAEN 651	GIS for Resource Management	_____	_____
_____ GEOG 660	Applications in GIS	_____	_____
_____ PLAN 625	Intro. GIS in Landscape & Urban Planning	_____	_____
_____ MARS 625	GIS Use in Coastal Resources	_____	_____
Intermediate level (both are required)		6	
_____ ESSM 652/BAEN 652	Advanced Topics in GIS	_____	_____
_____ GEOG 665	GIS-based Spatial Analysis & Modeling	_____	_____
_____ PLAN 626	Adv. GIS in Landscape & Urban Planning	_____	_____
Specialized GIS courses (one is required)		3	
_____ CVEN 658	Civil Engineering Applications of GIS	_____	_____
_____ ENTO 625/GEOG 625	Landscape Ecology	_____	_____
_____ ESSM 660	Landscape Analysis & Modeling	_____	_____
_____ ESSM 663	Applied Spatial Statistics	_____	_____
_____ ESSM 665	Comp. Programming for Nat. Res. Apps.	_____	_____
_____ GEOG 662	GIS in Land & Property Management	_____	_____
_____ GEOG 676	GIS Programming	_____	_____
_____ GEOG 678	WebGIS	_____	_____
_____ MARS 626	Advanced GIS for Coastal Systems	_____	_____

TOTAL SEMESTER CREDIT HOURS **12**

Verified by:

Faculty/Staff Person managing certificate Date

Department Head or Associate Head Date

Dean or Associate Dean Date