REPORT OF THE GRADUATE COUNCIL MEETING
January 8, 2004

The Graduate Council approved the Departments of Forest Science and Geography request to add the course BAEN 610 – Spatial Technology for Site-Specific Crop Management to the Graduate Certificate in GIS and the Graduate Certificate in Remote Sensing.
MEMORANDUM

To: Dr. Rick Giardino, Dean  
Office of Graduate Studies

From: Dr. C. T. Smith, Professor and Department Head  
Department of Forest Science

Dr. Doug Sherman, Professor and Department Head  
Department of Geography

Subject: Course additions to the Graduate Certificates  
in GIS and Remote Sensing

The Departments of Forest Science and Geography would like to request that the following course be added to the Graduate Certificate in GIS and the Graduate Certificate in Remote Sensing.

BAEN 610 – Spatial Technology for Site-Specific Crop Management

The faculty, including Dr. Searcy, have reviewed this course and voted to add it to the certificates as an optional course that a student could choose. If you have any questions please let us know.
Graduate Certificate in Geographic Information Systems (GIS)  
Texas A&M University

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. The demand for individuals in this field is growing rapidly. This certificate program has been designed to meet this growing demand for qualified individuals. The Office of the President has approved this program and it will appear on the official Texas A&M University transcript. This certificate is administered jointly through the Departments of Forest Science and Geography.

1. Students must be admitted to Texas A&M University as a G6, G7, or G8 through the Graduate Admissions Office, 979-845-1071.

2. The program consists of 12 credit hours, including 3 foundation courses as well as 1 elective that must be chosen from the following approved list.

3. Students are expected to maintain a 3.0 GPR for all applicable course work.

4. It is the sole responsibility of the student to complete and submit the application during the semester prior to graduation. To obtain the appropriate forms and instructions, please contact the Academic Advising Office in the Department of Forest Science at 979-845-9380.

5. When completed and approved, the form must be submitted to the Registrar's Office.

**Course Requirements**

**Introductory Level (1 of the following is required) 3 hours**

- FRSC 651/BAEN 651 – Geographic Information Systems
- GEOG 660 – Applications for GIS

**Intermediate Level (Both are required) 6 hours**

- FRSC 652/BAEN 652 – Advanced Topics in GIS
- GEOG 665 – GIS-based Spatial Analysis and Modeling

**Specialized GIS Courses (1 of the following is required) 3 hours**

- ENTO 625 – Landscape Biology
- PLAN 625 – Introductory GIS in Landscape Architecture and Urban Planning
- RLEM 635 – Landscape Analysis
- **BAEN 610 – Spatial Technology for Site – Specific Crop Management**

If you have any questions please contact the Spatial Science Lab (SSL) at 979-862-7956 or the Director of Graduate Studies in the Department of Geography at 979-845-7128.
Graduate Certificate in Remote Sensing (RS)
Texas A&M University

Remote Sensing (RS) technologies are applied to wide-ranging 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 rapidly increasing. The demand for individuals in this field is growing rapidly. This certificate program has been designed to meet the growing demand for qualified individuals. The Office of the President has approved this program and it will appear on the official Texas A&M University transcript. This certificate is administered jointly through the Departments of Forest Science and Geography.

1. Students must be admitted to Texas A&M University as a G6, G7, or G8 through the Graduate Admissions Office, 979-845-1071.

2. The program consists of 12 credit hours, including 3 foundation courses as well as 1 elective that must be chosen from the following approved list.

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5. When completed and approved, the form must be submitted to the Registrar’s Office.

Course Requirements

Introductory Level (1 of the following is required) 3 hours
- GEOG 651 – Remote Sensing for Geographical Analysis

Intermediate Level (both are required) 6 hours
- GEOG 661 – Digital Image Processing
- FRSC 661 – Photo Interpretation

Specialized Remote Sensing Courses (1 of the following is required) 3 hours
- BUSH 689-653 - Technical Collection Systems in International Security
- GEOG 696 – Geomorphology and Remote Sensing
- METR 655 – Satellite Data in Meteorology
- ELEN 634 – Morphological Methods in Image and Signal Processing
- ELEN 642 – Digital Image Processing
- ELEN 649 – Pattern Recognition
- **BAEN 610 – Spatial Technology for Site – Specific Crop Management**
If you have any questions please contact the Spatial Science Lab (SSL) at 979-862-7956 or the Director of Graduate Studies in the Department of Geography at 979-845-7128.