

97-03

January 13, 1997

**Certificate in Cartography and Geographic Information Systems (code 1-8040)  
(Supersedes PS 81-02)**

This revised and renamed certificate was recommended by the Academic Senate on November 14, 1996 and approved by the President on December 19, 1996.

Directors: Dr. Judith Tyner; Director, Dr. Franklin Gossette, Associate Director

This program offers specialized training in a variety of theoretical and applied cartographic techniques. The program is designed to provide experience in communication through maps and serves as a supplement to standard degree programs. It provides essential training for those seeking map making careers in both the public and private sector.

Requirements

1. A Bachelor's Degree, which may be earned concurrently.
2. Consultation with the Director of the program.
3. 30 units distributed as follows:
  - A. Courses marked with an \* are required;
  - B. At least one elective must be taken from each category;
  - C. Courses marked with \*\* are not available to undergraduate students.

Design and Presentation

GEOG 482\*, 484\*

Analysis

GEOG 200 (or equivalent)\*, 380\*, 400, 483\*, 485\*, MATH 101 (or equivalent), 117.

Methods/Applications

GEOG 486, 488\*, 492/592, 680\*\*, CE 225, ME 172, GEOL 535\*\*

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**EFFECTIVE: SPRING 1997**

Code: 8040

College: 28

Career: UG