

Supervised by PS 47-00

CALIFORNIA STATE UNIVERSITY, LONG BEACH

POLICY STATEMENT

NUMBER: 81-02

CARTOGRAPHY

SUBJECT: CERTIFICATE PROGRAM IN CARTOGRAPHY

The following policy statement, recommended by the Academic Senate in its meeting of December 18, 1980, and approved by the President on January 16, 1981, is as follows:

CERTIFICATE PROGRAM IN CARTOGRAPHY

The Cartography Certificate 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.

The program is characterized by an interdisciplinary approach reflecting the nature of the field which has two major aspects--thematic and topographic. Those skills required by both branches are encompassed by a core program and the two concentrations provide specific training for each of the two types of cartography.

The Thematic/General concentration is designed for students whose goals involve graduate programs in cartography or map librarianship or working for commercial map-making firms, planning departments and the like. The Topographic concentration is designed for the student who intends to work for engineering or geological research firms or agencies.

Requirements for the Certificate in Cartography

1. A bachelor's degree; may be earned concurrently with the certificate.
2. 30 units distributed as follows:
  - (A) Core (required of all students) of 15 units:  
Geography 380, 482, 483, 484, and Industrial Arts 352.

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- (B) Concentration (required of all students) in one of these two patterns selected in consultation with an advisor:

(1) Thematic/General Cartography

Group A: 6 units chosen from:

Geography 400, 490, Industrial Technology 315,  
Math 101, 180, 115s, 270, Computer Science 200.

Group B: 6 units chosen from:

Industrial Arts 141, 151, 341, 342, 453, 454,  
Mechanical Engineering 172.

Group C: 3 units chosen from:

Civil Engineering 225, 428, Geology 490f.

(2) Topographic Mapping

Group A: Geography 440 and 6 units chosen from:

Geography 487, Civil Engineering 225, 420, 428.  
Geology 490f.

Group B: 3 units chosen from:

Industrial Arts 141, 341, 342, Mechanical  
Engineering 172.

Group C: 3 units chosen from:

Math 101, 115s, 270, Industrial Technology 315,  
Computer Studies 200.

EFFECTIVE: Fall 1981

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2/4/81