

Palomar College Catalog 2009-2010

Geography (GEOG)

Contact the Earth, Space, and Aviation Sciences Department for further information.

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Office: NS-110G

Associate in Arts Degree -

AA Degree requirements are listed in Section 6 (green pages).

- Advanced Geographic Information Systems

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Advanced Geographic Information Systems

Certificates of Proficiency -

Certificate of Proficiency requirements are listed in Section 6 (green pages).

- Geographic Information Systems

PROGRAM OF STUDY

Advanced Geographic Information Systems

The Advanced Geographic Information Systems (GIS) Certificate program at Palomar College is designed to provide students with the technical and theoretical knowledge needed to pursue a successful career in growing field of geospatial analysis. Through a combination of lectures, learning modules, case studies, internships, and projects, students will learn to manage, plan, and implement GIS projects.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT*

Program Requirements		Units
GEOG 120	Intro to Geographic Information Sys/GIS Software	4
GEOG 132	Database Management and Data Acquisition	4
GEOG 134	GIS Applications	2
GEOG 136	Intermediate ArcGIS: GIS Analysis	2
GEOG 138	GIS Internship	2
Specialized Concentration (Select 2 courses)		
GEOG 140	Introduction to Remote Sensing	1
GEOG 141	Transportation Systems Analysis	1
GEOG 142	Environmental Applications of GIS	1
Electives (Select 1 course)		
CSIT 170	Visual Basic I	4
DT 110	Technical Drafting I with AutoCAD	4
TOTAL UNITS		20

* Advanced Geographic Information Systems A.A. Degree Major or Certificate of Achievement pending approval by the California Community Colleges System Office at the time of catalog publication.

PROGRAM OF STUDY

Geographic Information Systems

The Geographic Information Systems Certificate program is designed to provide entry-level training for students seeking employment in this fast-growing profession, or to upgrade the skills for those already working in the field of Geographic Information Systems. The program may be completed in one year including summer session.

Associate in Arts degree requirements are listed in Section 6 of the catalog. Certificates of Achievement or Proficiency require a minimum grade of 'C' in each of the required courses.

CERTIFICATE OF PROFICIENCY

Program Requirements		Units
GEOG 120	Intro to Geographic Information Sys/GIS Software	4
GEOG 132	Database Management and Data Acquisition	4
GEOG 136	Intermediate ArcGIS: GIS Analysis	2
GEOG 138	GIS Internship	2
Electives (Select 1 course)		
CSIT 170	Visual Basic I	4
GEOG 134	GIS Applications	2
TOTAL UNITS		14 - 16