

California University of Pennsylvania – BA in Geography with Geographic Information Sciences and Emergency Management Concentration

California University of Pennsylvania is offering a Bachelor of Arts in Geography with a Concentration in Geographic Information Sciences (GIS) and Emergency Management. The GIS and Emergency Management concentration will prepare students for continued studies in graduate school or employment in governmental and private sector emergency management positions, with disaster relief organizations or with the Department of Homeland Security. The program is designed to give students the basic information in emergency management concepts and techniques and is supplemented by courses combining geographic knowledge with advanced technological information in remote sensing, hazards research, and advanced geographic information systems.

Program Objectives:

- Hands-on field experience in the laboratory and other appropriate settings.
- A basic knowledge of the equipment and tools necessary in this field
- Applications of essential GIS and emergency management concepts and techniques.

GIS and Emergency Management curriculum:

Introduction to Geography
Site Design and Management
Geographic Information Systems
Remote Sensing
Crime Mapping and Spatial Analysis
Impacts and Sustainability of Tourism
Demographic Analysis
Natural Hazards
Emergency Management
Disaster Vulnerability Assessment
Developing the Master Plan
2 Elective Courses (Internship Recommended)

California University of Pennsylvania Earth Sciences department is a clearinghouse of economic and population information for southwestern Pennsylvania. With access to information based on the 2000 federal census, the facility will provide faculty, students, and local communities with information for use in the classroom, research, and economic development. The department has recently developed the Crime Mapping Lab, a state-of-the-art facility that includes high end computers with cutting edge GIS and remote sensing and CAMEO software, providing students with technological skills that are currently in high demand. Students will participate in research projects and laboratory work thus gaining experience not available in the standard lecture/discussion instruction.

California University is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools.

For more information:

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Additional Information:

<http://www.calu.edu/academics/programs/geography/curriculum/index.htm>

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