

Geographic Information Systems (GIS) Certificate of Advanced Study - Online

California State University, Fresno

www.fresnostate.edu/giscert

*An Online Program for Working Professionals
12 Units of Graduate Level Academic Credit*

Geographic Information Systems (GIS) uses digital technology and incorporates spatial analysis, remote sensing, geovisualization, geocomputation, cognition, and computer science.

GIS skills are utilized by professionals in:

- federal agencies such as the U.S. Geological Survey, Bureau of Land Management, Army Corps of Engineers, Forest Service, National Oceanic and Atmospheric Administration, National Imagery and Mapping Agency, and Federal Emergency Management Agency
- conservation, surveying, utilities, zoning, city planning, irrigation, water resource management, mosquito abatement, and dozens more industries

The Department of Labor's Occupational Outlook Handbook projects that employment in fields using digital technology is expected to grow between 9 and 14 percent through 2014.

Individuals with a bachelor's degree are invited to apply for the first cohort, which begins August 20, 2012. The program also provides one of the prerequisite courses for those interested in eventually applying to the Online Professional Master's (PSM) in Water Resource Management scheduled to begin in the fall 2013.*

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**The PSM in Water Resource Management is currently under development, and is not available until the program receives final approval from Fresno State, The California State University, and WASC accreditation.*