

Advanced Certificate Program in GIS

for the 2nd reading by the CSUF Senate

Online 12 units 4 classes to be taught through Blackboard:

1. EES 211: Fundamentals of GIS (Z. Wang, Coordinator) 3 units
2. EES 212: Geospatial Technologies (X. Yang) 3 units
3. EES 214: Advanced Spatial Analysis (X. Yang) 3 units
4. EES 216: GIS Practicum (K. Moffitt) 3 units

Enrollment Requirements:

- ❑ **Must hold a bachelor's degree in any area** from an accredited institution of higher education, GPA must be at least 3.0.
- ❑ **Non-traditional students:** professionals from the private and public sectors, educators, government workers and officials, etc.
- ❑ **Traditional students:** wishes to acquire GIS training to meet the current or future job requirements.

Admission:

- Through CGE, DGS, CMS and Program Coordinator

Where we are:

- All 4 classes approved through TILT.
- Program application approved at all levels up to Senate.
- First Full Senate Reading was **December 5, 2011.**
- Here tonight for second reading & approval.

Progresses made since 1st senate reading

◎ **Course material and software upgraded**

- Software upgraded from ArcGIS 9.3 to ArcGIS 10.0
- Textbooks and hands-on labs upgraded to newer versions
- Instructor and coordinator (Dr. Wang) visited ESRI on March 7-8 for advanced training on the use of ArcGIS 10.0
- Blackboard course materials are being upgraded

◎ **Continuing & Global Ed (CGE) contracted Fong Strategy, Inc. Considered:**

- Demand, critical mass, name recognition, brand equity, potential market sectors and audiences.

● **A website was set up for recruiting**

- Susan Hawksworth (CGE) and Z. Wang organized web materials
- Robin Button (independent contractor) programmed the website
- Instructors (Z Wang, XM Yang, K. Moffitt) provided Faculty Bios
- Photos of students were made for the website
- Videos will be made too for online recruiting

Certificate in Geographic Information Systems

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Meeting the Growing Need for Geographic Information Systems (GIS) Skills in Today's Job Market

The Certificate in Geographic Information Systems (GIS) with a focus in science and technology, and the [Professional Science Masters in Water Resource Management](#) have been developed to meet the growing need for GIS skills in today's job market.

What is GIS?

GIS is the process of using digital technology to help people evaluate spatial information. GIS professionals acquire, manage, analyze, visualize, and represent geospatial data, or information related to geographical locations. [More about GIS](#)

Careers and Employment

Students completing the program will gain vital competency relevant to today's workforce in the areas of geospatial information technology. An already large \$5 billion U.S. market in GIScience technologies is projected to increase to \$30 billion within the span of the next few years, even with the economic downturn. [Read some projections regarding future employment opportunities](#)

Helpful Links

- [Esri GiS Software](#)
- [gis.org](#)
- [GISJobs.com](#)

Professional Science Masters in Water Resource Management

Join our mailing list to receive program details once they are available

