



Geographic Information Systems

UC Davis Continuing and Professional Education's Geographic Information Systems Professional Concentration can provide the foundation for a new career, or help GIS analysts take their work to the next level. Featuring an interactive learning experience, our program provides practical skills you can use in your job the very next day, including a clear understanding of GIS technology, terminology and its applications.

- **Experienced instructors**—Learn from experienced GIS practitioners from a variety of disciplines
- **Real-world learning**—Class projects provide dynamic training in new software and methods of project delivery
- **Networking opportunities**—Connect with instructors and peers in the industry
- **Built for working professionals**—Our courses are 2-3 days long and the program consists of only 7 courses

For more information or to enroll
cpe.ucdavis.edu/gispc

Program at-a-Glance

- Complete in as few as 24 months
- 7 classes
- Individual courses: \$725-\$750
- Entire program: \$5,225

“These classes bolstered my skills and gave me the training to be more marketable.”

—Ben Campbell, Geographic Information Systems Professional Concentration Program graduate

Industry Facts

The average salary for a GIS analyst is
\$65,458

—Glassdoor.com

Your Academic Path

Introduction to Geographic Information Systems

2.0 quarter units academic credit, X443.3; 20 AICP hours

Typically Offered: Winter and Summer

Students will learn about basic GIS terms, available systems, data sources and GIS policy decisions. This class contains lectures and hands-on experience in ArcGIS, which develops a working knowledge of GIS and an understanding of the planning design for which GIS is used.

GIS Database Design

3.0 quarter units academic credit, X443.1; 30.0 AICP hours

Typically Offered: Fall and Spring

Review industry-standard and emerging data design technologies for today's natural resource and land use planning needs. Learn to identify poor data design characteristics, convert logical data definitions and relationships to physical data design. You will learn how to prepare a plan for efficient data loading and manage quality assurance.

Data Acquisition and Evaluation/GPS

2.0 quarter units academic credit, X443.2; 20 AICP hours

Typically Offered: Winter

Through brief lectures, classroom computing sessions and outdoor and indoor exercises, students will explore alternatives for coupling digital imagery with GPS-derived positions, evaluate data quality in imagery and GPS-derived positions and a geographic database (geodatabase) in industry-standard format.

Advanced GIS: Productivity, Geoprocessing and Analysis

2.0 quarter units academic credit, X443.4; 20 AICP hours

Typically Offered: Spring

Students will learn advanced GIS tips and tricks that will allow for more efficient and streamlined use of ArcGIS. They will also gain knowledge of available tools in ArcGIS for spatial analyses and learn how to choose tools appropriately.

In addition to the four core classes listed above, students must complete three electives to earn the Professional Concentration in GIS.

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**COURSERA
CLASSES**



Beginner GIS Courses Online!

Created by UC Davis and hosted on the Coursera platform, these entry-level GIS classes will give you the foundational skills to use GIS software in a professional setting.

- 100% online classes
- Self-paced learning
- 6 months to complete

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