Geographic Information System (GIS) Certificate Program

Program Overview
GIS offers a compelling and powerful approach to exploring our world. Applicable across a vast range of disciplines, GIS simultaneously serves as an information management system, analysis tool and visualization technique.

GIS is offered as a practical and hands-on one year certificate of completion program that stands on its own in addition to being a skill that is a strong complement to other Extension programs such as Urban Planning, Defense Technology and Healthcare. With the growing need for trained GIS professionals, it is time to discover how it can be applied to enhance your existing knowledge or springboard you into a new career.

Benefits
- Earn college credit while gaining skills in a high growth field.
- Obtain technical skills that are employable and practical.
- Extend your capabilities at your existing organization.
- Work more efficiently and effectively

Who Should Attend?
GIS is relevant for those interested or involved in:
- Urban Planning
- Healthcare or Public Health
- Environmental Work
- Business/Marketing/Economics
- Emergencies Services
- Utilities

Instructors
Heidi Batchelor, MS, is currently a Programmer/Analyst at the Scripps Institution of Oceanography, Marine Physical Laboratory. Heidi has 8+ years of experience with GIS technologies in environmental and marine applications.

Jason Batchelor, MA, work as a GIS Analyst at San Diego County where he is currently a department GIS Coordinator. He also holds a Geographic Information Systems Professional (GISP) certification and has over 10 years experience in the field.

Tracey Hughes, MSI, AICP, has over 8 years of GIS experience in the municipal and academic realms. Tracey is an ESRI Authorized Instructor and focuses on the intersection of information science, spatial analysis and spatial literacy.

Program Schedule
This program will begin every Fall quarter and can be completed in a one-year period. The courses must be taken in the order listed.

Note: The only pre-requisite is proficiency with the Windows operating system.

- **GIS I: Introduction to GIS** (Fall)
- **GIS II: Spatial Analysis** (Winter)
- **GIS III: Database Design & Demographics** (Spring)
- **GIS IV: 3-D Display and Analysis of Spatial Data** (Summer)

For more information, contact:
Tony Babaian
(858) 622-5740
tbabaian@ucsd.edu
extension.ucsd.edu/defensetech

extension.ucsd.edu/defensetech
extension.ucsd.edu • (858) 534-3400
La Jolla Campus • Mission Valley Center • Rancho Bernardo Center • Sorrento Mesa Center