1. Introduction to GIS
2. GIS Data and Formats
3. GIS Analysis and Map Design
4. GIS Project

Our cohort model lets you complete all four courses in the program in about two academic terms.

When you invest in us, you can do it knowing we’ve invested in you as well, with instructors who are leaders in their fields and an immersive, practical curriculum that will help you make a successful transition from the classroom to the next stage of your career.

* This is an approximate cost of completing the certificate program at 2016-2017 tuition rates. Tuition is subject to change at any time without further notice.

Get the tools to put your career on the map

Data, in and of itself, is already a very powerful analytical tool. But put that data to work – give it a home – and you can use not only to assess the past, but also to plan for the future. Our online GIS certificate program will teach you to gather and assess data, and then put to use in ways that are invaluable to a wide range of fields, including municipal planning, healthcare and law enforcement. It’s ideal for students with a background in geography, but also for existing professionals looking to add to their skill sets.

Led by instructors with decades of experience in the field, the program’s courses will start by introducing you to the basic concepts of GIS before moving on to more advanced data principles and data mapping, culminating in a hands-on capstone project where you’ll put it all together and leave with the beginnings of your professional GIS portfolio.

Questions? We would love to hear from you. Please contact Makeda Seyoum at (657) 278-8392 or mseyoum@fullerton.edu.

Ready to take the next step? You can register for the program at extension.fullerton.edu/gis
Course Summaries

Introduction to GIS

In this class you are introduced to GIS and how it is used in today's world. This class will provide a comprehensive overview of GIS including the major components of hardware, software, data and the identification of the skills required of a successful GIS Specialist. You are introduced to ArcGIS software which you will be using throughout the certificate program. You will gain an understanding of the profession and examine the role and functions of the GIS Specialist in a broad range of industries.

GIS Data and Formats

Using existing data students will gain an understanding of GIS database principles, the differences between spatial and arbitrary data and the sources for these types of data. Students will learn through hands-on experience the process of acquiring data, accessing quality and querying that data using ArcGIS software.

GIS Analysis and Map Design

Students will continue to build on GIS concepts and methodologies learned utilizing the mapping process introduced in previous classes. Key cartographic terms and concepts will be introduced as students learn to develop robust and purposeful maps for analysis and problem solving.

GIS Data and Formats

This capstone course is conducted in a laboratory environment allowing individuals hands-on experience through use of available data utilizing ArcGIS software. Students using GIS technology will learn and analyze both spatial and arbitrary data, map this data and appropriately present the mapped outcomes.

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