



Using CAD & GIS

Course Length: 1 day 8:30am to 4:30pm

Cost: \$250 per person

Course Description

Background

Both CAD and GIS are advanced computer toolsets used to create designs, store and manage spatial information, and convey visual results. Typically an organization (or an individual) will develop expertise in one of these tools and have little or no familiarity with the other. This course is intended to 1) expose the similarities of the two tools, 2) identify the strengths of each, and 3) demonstrate practical methods to use CAD and GIS together.

Intended Audience

Persons with a minimum of one year of exposure to either CAD or GIS software and a general knowledge of personal computing are well equipped to benefit from this course.

Schedule

This course is scheduled for eight (8) hours. After a brief introduction and review of the two technologies, the remainder of the course is divided into four (4) learning modules.

Learning Modules

Each module highlights similarities, strengths and practical uses for one or two features of the tools. Each module builds on learning from the previous modules. During each learning module, sample problems using real-world data will be worked through by the student to allow for a hands-on learning experience.

Module 1 Focuses on orienting the CAD user with the GIS environment and orienting the GIS user with the CAD environment. The basics of the display, query, manipulation and presentation of the same data in both environments is gained in this module.

Module 2 Focuses on creating data in one system and utilizing it with the other. Whether data created inside of CAD is used in GIS or data created in GIS is used within CAD, this module forms the core of using CAD and GIS together.

Module 3 Emphasizes working with data from different sources and different scales to bring information together, highlight and extract key pieces of information for delivery through either system.

Module 4 Presents the techniques for analyzing spatial data, converting CAD and GIS data for delivery to others, and managing data as it changes throughout the design process.

Take Aways

Through learning to use CAD and GIS together, the student benefits from:

- understanding of each tool and it's appropriate uses
- ability to leverage strengths of one tool, when present, to benefit the design project
- exposure to practical circumstances which require the combined use of both tools.

Payment Information

We accept checks, Purchase Orders, VISA, MC and American Express for payment. Payment must be received two weeks before class to secure a seat. Class must meet a minimum number of students or will be rescheduled. Please check the dates of the class for a deadline.



Call
(702) 222-3590 or
888-611-7226
and reserve your
seat today!

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ONE MAP
AT A TIME**