

Self-Paced Workshop: Infrastructure Level I & Level II

Course Objectives

This is an introductory course that introduces ArcGIS 9 to the attendees. This course covers basic concepts of geodatabase creation and editing with ArcGIS. Each student who successfully completes this course will have developed working knowledge and skills necessary to edit vector data and build topology as necessary.

Self-Paced Workshop

This is a **self-paced** course, therefore the student is responsible for taking full advantage of the materials they will be sent (CD of data and PDF of Workbook). If a Certificate of Completion is desired, the student will be required to submit *.jpgs of certain exercises in a timely manner to our staff as proof of progress. There is no lecture for this workshop and no meetings; everything is on your own using the materials provided.

Infrastructure Level I: Integration of GIS for Infrastructure Management and Risk Analysis (2-day)

Goal of the workshop: To offer hand-on training for professionals to learn how GIS can be used for assessing risk, setting priorities for maintenance and managing wide range of infrastructure (water supply, utility line, roads and bridges).

Outcome: 1) Upon completion Asset Managers and Professionals will be able to create a report, generate maps, identify utilities, roads and bridges that need maintenance/upgrade, identify sites and set criteria (using spatial components) for asset allocation decisions, and conduct analysis for aging infrastructure and setting priorities using GIS technology.

Qualification: NO prior GIS skills required.

Who should attend: Asset Managers of utilities including gas, water, waste water, highway, rail, telecom). Professional from engineering firms focused on transportation and infrastructure projects, division of engineering and utility management and public works of municipalities, cities, counties and state, as well as personnel involved in emergency response efforts.

Infrastructure Level II: Integration of GIS for Infrastructure Management and Risk Analysis (2-day)

Goal of the workshop: To offer hand-on training for professionals to learn how GIS can be used for assessing risk, setting priorities for maintenance and managing wide range of infrastructure (water supply, utility line, roads and bridges) using complex spatial modeling.

Qualification: Prior working knowledge of basic GIS or Level I Infrastructure Workshop

Outcome: 1) Upon completion a professional or an asset manager will be able to conduct complex spatial analysis and modeling using GIS technology to make critical decisions and explore alternate scenarios (using if-then else clauses with GIS data layers) for maintenance, upgrade or expansion of utilities, roads and bridges.

Who should attend: Asset Managers of utilities including gas, water, waste water, highway, rail, telecom). Professional from engineering firms focused on transportation and infrastructure projects, division of engineering and utility management and public works of municipalities, cities, counties and state, as well as personnel involved in emergency response efforts.

<i>What Is Unique About Self-Paced Workshops?</i>	
Instructor-Led Workshop	Self-Paced Workshop
On 9am-4pm schedule	On your schedule
On-site (USF St. Petersburg)	At your location of choice
Instructor available in class	Assistance available via email/phone
Certificate of Completion at end of course	Certificate of Completion at end of course upon submission of *.jpgs
Use lab computers with software and data pre-installed	Install data on your computer and 180-day trial version of ArcGIS (with extensions)

Contact Us

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COST: See under pricing for self-paced 2day rate