Esri Training

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January

2014

Instructor-Led Courses

Esri Course Catalog

esri®

Dear Colleague:

The latest release of ArcGIS transforms how geographic information will be accessed and managed by geographic information system (GIS) professionals and their organizations in the years to come. GIS professionals now have a complete GIS that integrates desktops and servers, as well as mobile and web applications, and provides organizations with the additional tools and infrastructure they need to extend the reach of their existing GIS.

Our instructor-led training curriculum provides a broad foundation for you to learn and immediately apply recommended workflows to author, share, and use GIS resources across the ArcGIS platform. Courses will help you speed up your adoption of new technology; be more productive; and more easily share and collaborate with colleagues, decision makers, and the general public.

Staying current with the latest technology will give you a competitive edge and help you address the social, economic, business, and environmental issues that shape our world.

I encourage you to review Esri's learning opportunities and register for a course today.

Warm regards,

Jack Dangermond

Esri Technical Certification Program

The Esri® Technical Certification Program is designed to create a work force highly skilled in applying Esri best practices to advance the goals of its members' organizations. The program consists of associate- and professional-level certifications recognizing expertise in desktop, developer, or enterprise use of ArcGIS®. Learn more on page 20 or at **esri.com/certification**.

Find Out More about Esri Training

For the latest class schedules and detailed course descriptions and to register, visit **esri.com/coursecatalog**.

To talk with an Esri training consultant, call 1-800-447-9778, extension 1-5757.

Getting Started with ArcGIS

At version 10.2, ArcGIS is a complete platform that individuals and organizations use to find, explore, create, and share maps; collaborate in groups and communities; and deploy GIS resources wherever they are needed.

ArcGIS for Desktop is used by GIS professionals to manage their GIS workflows and projects; build authoritative data, maps, models, and applications; and publish and share geographic information with others.

ArcGIS for Server is used to deploy GIS resources to desktop applications, web browsers, smartphones, and tablets. ArcGIS for Server is centrally managed, supports multiple users, provides access to rich GIS functionality, and is built using industry standards.

ArcGIS Online℠ is used to create and host rich maps and apps that are accessible throughout your organization and beyond. ArcGIS Online provides a library of ready-to-use content, apps, and templates.

The courses below are designed to help you be productive right away. Because ArcGIS users have diverse educational backgrounds and workplace responsibilities, each course provides a distinct entry point into the ArcGIS platform while also supporting a progressive approach to learning key workflows. Each course teaches knowledge and skills that will enable you to move forward with ArcGIS in the direction you want to go.

- ArcGIS 1: Introduction to GIS—For those completely new to GIS, this course introduces fundamental GIS concepts and skills using ArcGIS maps and tools.
- ArcGIS 2: Essential Workflows—For those who have an introductory-level knowledge of GIS concepts and limited ArcGIS software experience, this course teaches how to efficiently author, share, and use geographic data and maps.
- ArcGIS 3: Performing Analysis—For more experienced ArcGIS users who want to extend their GIS analysis skills beyond the basics, this course teaches how to create, execute, automate, and share analysis workflows and results.
- ArcGIS 4: Sharing Content on the Web—For experienced GIS professionals, this course teaches how to share ArcGIS content and resources as standalone services, web maps, and web mapping applications.

Courses for Administrators

Administrators have unique learning needs centered on GIS infrastructure, data management, and user role management.

- ArcGIS for Server: Site Administration and Configuration—For IT and GIS web administrators who will be responsible for managing and configuring a new ArcGIS for Server implementation
- Migrating to ArcGIS 10.2 for Server—For IT and GIS web administrators who have experience managing and supporting ArcGIS for Server 9.x or 10.0
- Configuring and Managing the Multiuser Geodatabase—For database administrators and GIS data managers who manage geographic data assets stored in a multiuser ArcSDE geodatabase.

About Esri Training Options

Esri instructor-led and self-paced training options teach GIS problem-solving skills and best practices to accomplish GIS tasks and workflows. Developed by education specialists with expertise in Esri products, our courses help thousands of GIS professionals each year.

Instructor-led courses are taught online in real time and at learning centers around the United States. See the map on the inside back cover for locations. Self-paced courses are available from the Esri Training website 24/7.

Train your team together.

When multiple staff will benefit from the same course, arranging a class to train them together can be the most cost-effective way to prepare for a new project or technology migration. We can send an instructor to your facility, or you can hold a class at one of our facilities. When team members are geographically disbursed, an instructor-led online class eliminates the need for travel and related expenses.

Get the most out of your group learning experience.

When you hold a class to train multiple staff together, you can supplement the class with one or more days of client coaching. Client coaching enhances the learning experience by providing extra time to review and practice course concepts in the context of your organization's specific workflows with an instructor's guidance.

To discuss arranging a class, call 1-800-447-9778, extension 1-5757, or send an e-mail to **GIStraining@esri.com**. To view the latest instructor-led class schedules and self-paced training options, visit **esri.com/coursecatalog**.

Benefit	Instructor-Led Training	Self-Paced Training
Hands-on software exercises with data	✔	✔ *
Esri software provided for use during class	✔	
Use of your local installation of Esri software		✔
Software demonstrations showing real-world application of course concepts	✔	✔
Course workbook (to review and practice concepts and workflows after class)	✔	
Taught by certified instructor with expertise in the course subject matter	✔	
Real-time interaction with instructor and other students	✔	
Opportunity to ask questions during class and get immediate answers	✔	
Accessible 24/7 from anywhere		✔
Short, focused learning on specific tasks		✔
No travel required to attend	✔ **	✔
Certificate of completion awarded	✔	✔

* Applies to web courses

** Applies to instructor-led online classroom courses

Plan to Achieve Your GIS Training Goals

When presented with many options, it can be difficult to determine which courses will best meet your needs. Here are some general planning questions and tips to consider as you look through this catalog:

- What GIS workflows need to be supported?

  Tip: This catalog's table of contents groups courses by GIS topic and workflow areas.

- What knowledge and skills are needed to support your GIS workflows?

  Tip: Review the Overview and Goals sections of course descriptions to evaluate whether the course covers the required knowledge and skills.

- Who is the course audience?

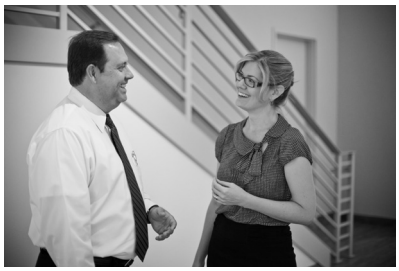
  Tip: Review the Who Should Attend section of course descriptions to verify that the course is appropriate for the individual who needs training.

- What is the time frame for acquiring the required knowledge and skills?

  Tip: For longer project timelines and ongoing staff development needs, check our public schedule at **esri.com/ilt** for class dates and locations.

  Tip: If you cannot find a public class within your desired time frame, we can help you arrange a class that meets your needs. Contact us anytime at the telephone number or e-mail address below.

For more help choosing a course or to discuss your training needs with an Esri training specialist, call us at 1-800-447-9778, extension 1-5757, or e-mail **GIStraining@esri.com**.



Partner with us.

If you are a manager who wants to equip your team with the GIS skills it needs to accomplish your business goals, we can help you identify the training that will best help you meet those goals.

Esri training consultants are available to do the following:

- Discuss your GIS training needs and make training recommendations for individual job roles
- Create a training plan to help your team acquire the knowledge and skills needed for project success
- Assist with developing a GIS staff development plan that supports your organization's strategic business goals

To talk with us, call 1-800-447-9778, extension 1-5757, or send an e-mail to **GIStraining@esri.com**.

Course Design

Instructor-led format improves user success.

Esri instructor-led courses take an immersive, experiential approach to learning. Their design incorporates proven adult-learning principles and focuses on interaction and skills application to ensure that learners acquire relevant and directly applicable workplace knowledge and skills.

"We've made a significant investment in course redesign and instructor skills to keep Esri on the cutting edge of training delivery. The emphasis on application of skills and knowledge is critical in helping users maximize investments they've made in GIS technology."

—Nick Frunzi,
Educational Services Director

The course format includes the following:

- Interactive discussions with learners contributing real-world experiences
- Demonstrations and hands-on individual exercises
- Facilitated group exercises
- Activities and problem-solving scenarios that encourage peer-to-peer learning

Interactive learning is a proven approach that works well in both traditional and online classrooms. In an Esri instructor-led online course, learners participate in small group activities in virtual breakout rooms, including writing on group whiteboards, chatting, polling, and probing. Learners can interact with each other and the instructor during class demonstrations and exercises. Instructors can even shadow learners' computers to monitor progress during individual exercises or to check in on groups and facilitate discussion.

High-caliber instructors are committed to learner success.

All Esri instructors have achieved Esri technical certification and CompTIA CTT+ certification. CompTIA CTT+ is an international certification that covers core instructor skills, including preparation, presentation, communication, facilitation, and evaluation, in both a traditional and online classroom environment.

Esri instructors have the flexibility to adapt how they present course material based on the audience composition, skill level, and professional interests of each class. The course format stretches their creativity and teaching skills in a way that's exciting and beneficial for learners.

Self-paced format supports independent, flexible learning.

Esri self-paced e-learning options are designed to supplement and extend instructor-led courses; provide focused training for specific GIS tasks; and support those who need immediate, just-in-time training. Our web course design features interactive conceptual material, demonstrations, and hands-on exercises designed to help learners immediately apply concepts and reinforce skills. To view available web courses, go to **esri.com/coursecatalog**.

Table of Contents

ArcGIS 1: Introduction to GIS

Two days (16 hours)—$1,010

Overview

This course teaches what a GIS is and what you can do with it. Working with various components of the ArcGIS platform, you will create GIS maps, explore and analyze the data behind the maps, and learn methods to easily share your maps and analysis results. By the end of the course, you will have a solid understanding of how GIS maps and ArcGIS tools are used to visualize real-world features, discover patterns, obtain information, and communicate that information to others.

Who Should Attend

Individuals who do not have any prior GIS education or workplace experience with GIS

Goals

After completing this course, you will be able to

- Quickly create and share a GIS map using ArcGIS.
- Find and organize geographic data and other GIS resources for a simple mapping project.
- Accurately display features on a GIS map and access information about them.
- Analyze a GIS map to identify where features that meet specific criteria are located.
- Share GIS maps and analysis results so they can be viewed on desktop applications, websites, and mobile devices

Prerequisites: None

Using ArcGIS for Geospatial Intelligence: Data Fundamentals

Two days (16 hours)—$1,010

Overview

To produce reliable intelligence products, analysts must understand essential concepts related to the accuracy and appropriate uses of geospatial data. This course teaches those concepts. You will learn how to collect and combine geospatial data from a variety of sources, create new data, and prepare data for accurate visualization and analysis.

Who Should Attend

Geospatial intelligence analysts working in defense, intelligence, and homeland security agencies

Goals

After completing this course, you will be able to

- Identify, procure, and prepare relevant geospatial datasets for analysis.
- Assess the level of error in a geospatial dataset.
- Assign a spatial reference to support accurate measurements, navigation, and analysis of data.
- Understand the usefulness and limitations of various raster formats and derive new data from raster sources, including imagery.
- Create vector data from tabular data, imagery, and existing cartographic products.
- Integrate skills learned in class into the analysis process for producing actionable intelligence.

Prerequisites: Yes*

ArcGIS 2: Essential Workflows

Three days (24 hours)—$1,515

Overview

In this course, you will acquire fundamental skills needed to author, share, and use geographic information and maps across the ArcGIS platform. You will learn how to efficiently find, explore, manage, and analyze geographic data and create informative maps that showcase your work. The course covers a variety of techniques to effectively share GIS maps and resources with decision makers, stakeholders, and the public.

Who Should Attend

GIS professionals and others who have an introductory-level knowledge of GIS concepts and limited ArcGIS experience

Goals

After completing this course, you will be able to

- Use ArcGIS software and content to create high-quality maps that combine data from different sources.
- Organize, create, and edit geographic data so that it is accurate and up-to-date.
- Manage, symbolize, and label map layers to support visualization and data exploration.
- Design an attractive page layout for maps that will be printed.
- Apply a standard workflow to analyze GIS data and solve spatial problems.
- Share maps and analysis results so they are accessible on multiple platforms.

Prerequisites: Yes*

*For up-to-date course descriptions, prerequisites, pricing, and schedules, visit **esri.com/coursecatalog**.

Designing Maps with ArcGIS

Two days (16 hours)—$1,010

Overview

Focusing on fundamental cartographic design principles, this course teaches how to create attractive maps that are easy to interpret and properly designed for their audience and delivery medium. You will learn how to apply a standard cartographic workflow to efficiently produce high-quality maps for print and online use.

Who Should Attend

Cartographers and GIS analysts, specialists, mapping technicians, and others who need to produce maps using ArcGIS software

Goals

After completing this course, you will be able to

- Plan a cartographic project.
- Choose appropriate data to support cartographic needs.
- Create appropriate symbology, map elements, and layout designs for a given map project.
- Create labels and annotation that are easy to read by the map's intended audience.
- Produce effective maps for print and web delivery.

Prerequisites: Yes*

Cartography with Esri Production Mapping

Two days (16 hours)—$1,010

Overview

Esri Production Mapping provides cartographic tools for managing map products; creating high-quality, high-volume map products; and generating reference grids based on product specifications. In this course, you will work with Esri Production Mapping cartographic tools to create and manage map documents in Product Library, symbolize data with Views and the Visual Specifications tool, work with geographic representations, and create dynamic tables in the layout.

Who Should Attend

GIS technicians, spatial data managers, and project managers who need to create cartographic products using Esri Production Mapping

Goals

After completing this course, you will be able to

- Manage cartographic production with Product Library.
- Create cartographic data such as grids and graticule layers.
- Symbolize data using Views and the Visual Specifications tool.
- Edit cartographic features using representations.
- Create and manage layouts and elements such as dynamic tables.
- Print, publish, and export cartographic products.
- Maintain cartographic products.

Prerequisites: Yes*

Introduction to Esri Production Mapping

Five days (40 hours)—$2,525

Overview

Esri Production Mapping is an extension to ArcGIS for Desktop developed for high-volume database production, maintenance, and quality control. In this course, you will learn to load and edit data using Esri Production Mapping tools, perform data quality control (QC) using ArcGIS Data Reviewer for Desktop, create and manage maps with Product Library, and manage workflows using ArcGIS Workflow Manager.

Who Should Attend

GIS specialists, technicians, spatial data managers, project managers, and other experienced ArcGIS users who need to manage and publish accurate data and cartographic products using standardized and repeatable workflows

Goals

After completing this course, you will be able to

- Load data using the Data Loader.
- Edit and attribute features using Esri Production Mapping.
- Run automated data validation checks.
- Symbolize features using Views and Visual Specifications.
- Edit cartographic representations using the representation tools.
- Create and manage map documents with Product Library.
- Create and process jobs using ArcGIS Workflow Manager.

Prerequisites: Yes*

Introduction to Esri Defense Mapping

Five days (40 hours)—$2,525

Overview

Esri Defense Mapping is used for high-volume database production, maintenance, and quality control. This course teaches how to load and edit data using Esri Defense Mapping tools, perform data quality control (QC) using ArcGIS Data Reviewer for Desktop, create and manage maps with Product Library, and manage workflows using ArcGIS Workflow Manager. This course is typically offered as a client-site class.

Who Should Attend

Experienced ArcGIS users who need to produce data and maps under defense or military specifications and standards using Esri Defense Mapping

Goals

After completing this course, you will be able to

- Load data using Data Loader.
- Edit features using Esri Defense Mapping tools.
- Run automated data validation checks.
- Symbolize features using Views and Visual Specifications.
- Edit cartographic representations using the representation tools.
- Create and manage map documents with Product Library.
- Create and process jobs using ArcGIS Workflow Manager.

Prerequisites: Yes*

Introduction to ArcGIS for Maritime: Charting

Five days (40 hours)—$2,525

Overview

ArcGIS for Maritime: Charting is a data management and cartographic production application that combines cartographic editing tools, database models, nautical symbols and styles, S-57 data editing tools, validation rules, and workflow management components to enable a streamlined data editing and chart production environment for nautical users. In this course, you will learn how to use ArcGIS for Maritime: Charting to produce and maintain standards-compliant nautical products including S-57 and hard-copy charts.

Who Should Attend

Individuals familiar with nautical standards and charting who will be involved in creating and maintaining nautical products from a database

Goals

After completing this course, you will be able to

- Load nautical product data.
- Edit and attribute S-57 feature objects.
- Run automated data validation checks.
- Understand symbology representations and implement them with the Visual Specifications tool.
- Create reference grids.
- Export nautical products.

Prerequisites: Yes*

Cartography with ArcGIS for Maritime: Charting

Three days (24 hours)—$1,515

Overview

ArcGIS for Maritime: Charting is a data management and cartographic production application that combines cartographic editing tools, database models, nautical symbols and styles, S-57 data editing tools, validation rules, and workflow management components to enable a streamlined data editing and chart production environment for nautical users. This course teaches how to cartographically finish a nautical chart product from start to finish using ArcGIS for Maritime: Charting.

Who Should Attend

Individuals familiar with nautical charts who will be involved in producing and maintaining nautical charts with ArcGIS for Maritime: Charting

Goals

After completing this course, you will be able to

- Manage map documents that contain multiple data frames.
- Generate reference grids.
- Manage labels and create annotation.
- Appropriately utilize representations, feature outline, and intersecting layer masking.
- Perform cartographic edits such as geometric effects, representation overrides, and free representations.
- Manage page layout, surround elements, and marginalia.
- Create a source diagram.
- Export to various raster formats.

Prerequisites: Yes*

Introduction to Esri Aeronautical Solution

Three days (24 hours)—$1,515

Overview

This course teaches how to produce and maintain aeronautical charts inside an Aeronautical Information Exchange Model 4.5/5.1-based Aeronautical Information System (AIS) using Esri Aeronautical Solution. You will learn about data management tools as well as more advanced annotation and editing tools to support the aeronautical chart production process. Techniques for symbolizing data, working with geographic representations, and creating dynamic text and tables in a layout are also covered.

Who Should Attend

Individuals familiar with aeronautical principles and charting who create, edit, or maintain an Aeronautical Information System or produce aeronautical charts from a database

Goals

After completing this course, you will be able to

- Set up the AIS database.
- Edit and attribute aeronautical features using Feature Builder.
- Create and manage cartographic features for chart production.
- Use the aeronautical annotation editing tools.
- Build and configure smart aeronautical surround elements.
- Track and review changes in the database with Change Reporter and ArcGIS Data Reviewer for Desktop.
- Use workflow management tools: ArcGIS Workflow Manager and Task Assistant Manager.

Prerequisites: Yes*

Configuring Esri Aeronautical Solution

Two days (16 hours)—$1,010

Overview

This course teaches how to configure Esri Aeronautical Solution to produce and maintain aeronautical charts inside an Aeronautical Information Exchange Model (AIXM) 4.5/5.1-based Aeronautical Information System (AIS). You will learn how to set up the production environment, design grids, and configure the workflow environments for ArcGIS Workflow Manager and Task Assistant.

Who Should Attend

Individuals familiar with aeronautical principles and charting who will be involved with supporting an aeronautical charting system using Esri Aeronautical Solution.

Goals

After completing this course, you will be able to

- Set up extraction queries for cartographic feature creation.
- Configure the Visual Specifications Tool for charting products.
- Configure and manage masking rules using Masking Rule Manager.
- Create batch jobs for quality control.
- Configure the change detection process for ArcGIS Data Reviewer for Desktop.
- Configure job types and workflows for ArcGIS Workflow Manager.
- Configure Task Assistant Manager for ArcMap task-oriented processes.

Prerequisites: Yes*

*For up-to-date course descriptions, prerequisites, pricing, and schedules, visit **esri.com/coursecatalog**.

ArcGIS 3: Performing Analysis

Two days (16 hours)—$1,010

Overview

This course teaches a standard workflow you can apply to any GIS analysis project. Working with a variety of ArcGIS tools and vector, raster, and temporal data, you will perform different types of analyses to efficiently solve spatial problems. Techniques to share your analysis workflows and results are covered. This course is taught using ArcGIS for Desktop Advanced, and some course exercises use tools provided in the ArcGIS Spatial Analyst extension.

Who Should Attend

GIS analysts, specialists, and others who manage or conduct GIS analysis projects

Goals

After completing this course, you will be able to

- Choose appropriate data, methods, and tools to plan, execute, and document a given analysis project.
- Automate analysis tasks using geoprocessing models.
- Create a weighted suitability model to select the optimal location for a new site.
- Apply spatial statistics to examine distribution patterns and identify hot spots.
- Model temporal data to analyze and visualize change over time.
- Share analysis results so they are accessible and repeatable.

Prerequisites: Yes*

Hydrologic and Hydraulic Analyses Using ArcGIS

Two days (16 hours)—$1,010

Overview

This course presents GIS techniques used for terrain analysis, hydrologic and hydraulic (H&H) characteristics extraction, numerical model input/output, modeling process automation, and result mapping. The course focus is the functionality that GIS provides to H&H modeling, not on performing H&H analyses.

Who Should Attend

H&H and GIS professionals who support H&H analyses

Goals

After completing this course, you will be able to

- Use triangulated irregular networks (TINs) and Esri Grids to represent terrain surfaces.
- Implement GIS as a spatial and temporal integrator.
- Create hydrologic statistical modeling—National Stream Statistics (NSS) and StreamStats.
- Create hydrologic physical modeling—Hydrologic Modeling System (HMS) and Geospatial Hydrologic Modeling System (GeoHMS) extension.
- Create hydraulic modeling—River Analysis System (RAS) and Geospatial River Analysis System (GeoRAS) extension.
- Perform floodplain mapping.

Prerequisites: Yes*

Market Analysis Using Esri Business Analyst

Two days (16 hours)—$1,010

Overview

This course teaches how to use the powerful Business Analyst system and its extensive data package to increase understanding of your customers, competitors, and market opportunities. You will learn how to visualize and analyze key demographic, consumer, and business data to uncover patterns and trends, then share your analysis results so they are accessible to decision makers and others throughout your organization.

Who Should Attend

Market analysts and other business professionals with limited GIS experience who need to better understand their customers, competitors, and markets

Goals

After completing this course, you will be able to

- Visualize and explore market and site data within a study area.
- Create trade areas based on customer and site locations and evaluate their potential.
- Perform market planning and site selection analyses.
- Target new customers based on specific criteria.
- Produce reports and maps to share your analysis results.

Prerequisites: Yes*

Practicing Geodesign Using ArcGIS

Two days (16 hours)—$1,010

Overview

Geodesign is a multidisciplinary, collaborative approach to addressing complex issues that confront local, regional, and global communities. By providing a framework and robust tools to create and quickly evaluate design alternatives, geodesign supports informed decision making that reflects the lessons of the past, the needs of today, and a sustainable vision for tomorrow. This course teaches a process to apply ArcGIS tools to iteratively model, visualize, and assess the impact of individual issues on an overall design plan. Some course exercises use ArcGIS Spatial Analyst or ArcGIS 3D Analyst.

Who Should Attend

GIS analysts and other professionals working in urban planning, design, facilities management, or a related field who need to apply geodesign techniques

Goals

After completing this course, you will be able to

- Apply a GIS-driven workflow to help guide a design project from start to finish.
- Assemble and prepare data for use in GIS models.
- Create suitability models that consider multiple criteria appropriate for a given project.
- Use rapid iteration to visualize and evaluate alternative design plans.
- Produce and compare impact maps and reports for each design plan.

Prerequisites: Yes*

Editing and Maintaining Parcels Using ArcGIS

Two days (16 hours)—$1,010

Overview

This course teaches techniques to efficiently store, edit, and ensure the accuracy of land records data. Using the ArcGIS parcel fabric and Local Government Information Model, you will learn recommended workflows to perform many common parcel-editing tasks. Course exercises use ArcGIS 10.2 for Desktop; however, the concepts and workflows taught in this course also apply to ArcGIS 10.1 for Desktop Service Pack 1.

Who Should Attend

GIS technicians, parcel editors, tax mapping professionals, and others who maintain or manage land records data using ArcGIS 10.2 for Desktop or ArcGIS 10.1 for Desktop Service Pack 1

Goals

After completing this course, you will be able to

- Apply the Local Government Information Model to an existing parcel fabric to enable automated editing workflows.
- Join new parcels to an existing parcel fabric, split and merge parcels, and create a new subdivision.
- Migrate computer-aided design (CAD) data to the parcel fabric.
- Dedicate a portion of a parcel to a right-of-way.
- Edit the parcel fabric in a multiuser versioned editing environment.

Prerequisites: Yes*

Editing Data with ArcGIS for Desktop

Two days (16 hours)—$1,010

Overview

To produce GIS maps and analysis results that support informed decision making, accurate data is essential. This course teaches methods for accurately creating and maintaining data stored in a geodatabase. You will learn a recommended workflow for data automation and practice with tools and techniques that help ensure data integrity during editing.

Who Should Attend

GIS technicians, specialists, and other experienced ArcGIS users who need to create and maintain their organization's geographic data

Goals

After completing this course, you will be able to

- Apply a standard editing workflow to manage updates to your GIS database.
- Efficiently create and edit feature geometry and attributes.
- Solve common data alignment issues.
- Maintain spatial relationships among features using topology.

Prerequisites: Yes*

Data Editing with Esri Production Mapping

Two days (16 hours)—$1,010

Overview

Esri Production Mapping is an extension to ArcGIS for Desktop used for high-volume database production, maintenance, and quality control. In this course, you will learn how Esri Production Mapping is configured to enhance geodatabase validation using Product Library. You will also gain proficiency with the editing, attribution, and data loading tools included with Esri Production Mapping.

Who Should Attend

GIS technicians, spatial data managers, and project managers who need to create and maintain production data using Esri Production Mapping

Goals

After completing this course, you will be able to

- Recognize how Esri Production Mapping enhances ArcGIS for Desktop editing workflows.
- Configure and use Product Library to extend geodatabase validation.
- Batch load data using Data Loader.
- Edit and attribute features using Esri Production Mapping tools.
- Streamline ArcGIS for Desktop editing workflows.

Prerequisites: Yes*

Quality Control Using ArcGIS Data Reviewer for Desktop

Two days (16 hours)—$1,010

Overview

This course teaches how to use ArcGIS Data Reviewer for Desktop to find, track, and correct spatial and attribute errors in GIS data. You will learn about the more than 40 automated checks that you can configure and run to ensure data accuracy, and you will work with visual review tools to document data anomalies and errors.

Who Should Attend

- GIS technicians, spatial data managers, and project managers who need to perform data quality checks using ArcGIS Data Reviewer for Desktop.
- Anyone working with Esri Production Mapping, Esri Defense Mapping, or a stand-alone license of ArcGIS Data Reviewer for Desktop.

Goals

After completing this course, you will be able to

- Understand quality assurance/quality control (QA/QC) concepts.
- Run automated data checks.
- Create a batch job for performing a cumulative data review.
- Perform a visual review of GIS data.
- Track and manage errors in the Reviewer Table.
- Work with correction and verification modes.

Prerequisites: Yes*

*For up-to-date course descriptions, prerequisites, pricing, and schedules, visit **esri.com/coursecatalog**.

Geodata Production and Editing

Understanding ArcGIS Workflow Manager
Three days (24 hours)—$1,515

Overview
This course introduces you to the ArcGIS Workflow Manager extension and the importance of job management in your organization. You will learn how to use the tools included with ArcGIS Workflow Manager and how to configure the system to meet your business requirements.

Who Should Attend
Managers and others who want to develop and enforce standard, repeatable GIS workflows within their organization using ArcGIS Workflow Manager

Goals
After completing this course, you will be able to

- Describe the architecture of ArcGIS Workflow Manager and available configuration options.
- Describe and set up the database and system tables.
- Query, create, assign, and locate jobs.
- Edit properties and attributes of jobs.
- Execute workflows and track job status and feature modification history.
- Understand and set up the ArcGIS Workflow Manager security model.

Prerequisites: Yes*

Geodata Management

Building Geodatabases
Three days (24 hours)—$1,515

Overview
This course teaches the essential concepts and skills needed to efficiently create a geodatabase, add data to it, and realistically model the real-world spatial relationships inherent to your data. You will learn about unique geodatabase features that help ensure data integrity over time and why the geodatabase is the preferred format for storing and managing geographic data. Course concepts apply to file-based and multiuser ArcSDE® geodatabases. This course is taught using ArcGIS for Desktop Advanced.

Who Should Attend
- GIS data managers, analysts, specialists, data technicians, database administrators, and others who need to manage and maintain data stored in a geodatabase
- GIS managers who need to understand the capabilities of the geodatabase

Goals
After completing this course, you will be able to

- Access GIS data stored in file-based geodatabases, multiuser geodatabases, and GIS servers.
- Create an appropriate geodatabase structure to organize data for efficient storage, display, and editing.
- Add rules and behaviors to ensure the spatial and attribute integrity of geographic data.
- Jump-start geodatabase design using a template data model.
- Create a geodata service to share a geodatabase with desktop, web, and mobile users.

Prerequisites: Yes*

Configuring and Managing the Multiuser Geodatabase
Three days (24 hours)—$1,515

Overview
This course prepares you to successfully deploy a multiuser geodatabase to manage your organization's critical geographic data assets. You will learn about the multiuser geodatabase architecture and installation options and how to configure the geodatabase for efficient data storage and delivery of data access and editing capabilities to many users. While course exercises use the enterprise geodatabase, many course concepts also apply to workgroup geodatabases.

Who Should Attend
Spatial database administrators and GIS data managers who need to create, configure, and manage a multiuser ArcSDE geodatabase

Goals
After completing this course, you will be able to

- Install ArcSDE technology and configure it for your relational database management system.
- Create and connect to a multiuser geodatabase.
- Efficiently load and update data in a multiuser geodatabase.
- Configure storage settings to support your organization's data management workflows.
- Set up user roles and permissions to provide secure data access.
- Apply best practices to optimize geodatabase performance.

Prerequisites: Yes*

Learn from an expert . . .

Esri instructors specialize in delivering an engaging classroom experience that prepares students to return to work and immediately apply what they've learned. How do they do this?

All instructors have achieved CompTIA CTT+ certification.

CompTIA CTT+ is an international certification that recognizes core instructor skills, including preparation, presentation, communication, facilitation, and evaluation, in both traditional and online classroom environments.

All instructors have achieved one or more Esri technical certifications.

The Esri Technical Certification Program recognizes expertise in the use of Esri products and technology. You can be confident that your instructor has the experience, technical know-how, and real-world application knowledge to answer your questions and provide the most up-to-date information about best practices for the GIS workflows and applications taught in class.

"Very helpful overview of the program, and the instructor was very knowledgeable. She made the subject interesting and kept the class's attention."

—Kimberly Lloyd, Epidemiologist

. . . who is committed to your success.

Esri instructor-led courses are designed with flexibility in mind.

Esri instructors are encouraged to adapt their presentation of course material based on the audience composition, skill level, and professional interests of each class. Esri instructors do not take a one-size-fits-all approach to teaching—they are committed to helping all students achieve their learning goals and success with GIS.

Get the most out of your GIS investment.

E-mail, phone calls, meetings, project deadlines—the daily office routine is demanding. In an instructor-led training class, you can leave office distractions behind and focus on learning best practices and recommended workflows from the people who know Esri products the best. On average, Esri instructors have 11 years of GIS and Esri software experience. A low instructor-to-student ratio ensures that all students receive individual attention.

> "I didn't really know anything coming into the class, and after the class, I am completely confident that I can complete my task. The course content was great, and the instructor was phenomenal. Thanks!"
>
> —Jon Cole, Aquatic Manager

Register today!

Classes fill early, so plan ahead. Registration is on a first come, first served basis. View all available instructor-led courses and the up-to-date class schedule at **esri.com/il**.

Implementing Versioned Workflows in a Multiuser Geodatabase

Three days (24 hours)—$1,515

Overview

A successful multiuser editing environment requires a sound versioning workflow that minimizes disruption to editors, ensures the integrity of GIS data, and integrates well with existing business workflows—all while maintaining optimal database performance. This course explores a variety of versioned editing workflows and examines how versioning decisions impact data accuracy and database performance.

Who Should Attend

GIS database managers or administrators who need to set up and manage a multiuser editing environment

Goals

After completing this course, you will be able to

- Deploy a versioning workflow that meets your organization's needs.
- Efficiently load data into a versioned feature class.
- Manage multiple geodatabase versions.
- Monitor and maintain database performance in a versioned editing environment.

Prerequisites: Yes*

Distributing Data Using Geodatabase Replication

Two days (16 hours)—$1,010

Overview

Geodatabase replication is a powerful way to extend access to GIS data stored in a multiuser geodatabase across organizations and into the field. This course teaches how to implement geodatabase replication to support efficient, secure enterprise data management workflows.

Who Should Attend

GIS database managers and administrators who need to incorporate geodatabase replication into their organization's business and versioned editing workflows.

Goals

After completing this course, you will be able to

- Determine the number and type of replicas needed to support your organization's GIS workflows and applications.
- Use database management system (DBMS) queries and ArcGIS tools to create and manage replicas.
- Plan and implement an efficient synchronization strategy for your data distribution architecture.

Prerequisites: Yes*

Arc Hydro: GIS for Water Resources

Three days (24 hours)—$1,515

Overview

This course presents the Arc Hydro data model and tools and shows how to implement them using a series of real-world examples. You will learn the basic principles of the Arc Hydro data model, how to extend it, and how the Arc Hydro tools manage and use the data model.

Who Should Attend

Those interested in ArcGIS water resource applications who want to implement the Arc Hydro data model and tools

Goals

After completing this course, you will be able to

- Understand and extend the Arc Hydro data model.
- Understand core and advanced Arc Hydro tools functionality.
- Combine Arc Hydro data structure and tools to solve realistic water resource problems.
- Extend Arc Hydro tools to create custom functionality.
- Integrate external models into Arc Hydro.

Prerequisites: Yes*

Training Available 24/7

Learn at your own pace when it's convenient for you. Web-based training from Esri features presentations, demonstrations, and hands-on exercises to create a rich e-learning experience.

Go to **esri.com/coursecatalog** for an up-to-date listing of web courses.

*For up-to-date course descriptions, prerequisites, pricing, and schedules, visit **esri.com/coursecatalog**.

ArcGIS 4: Sharing Content on the Web

Two days (16 hours)—$1,010

Overview

ArcGIS supports sharing geographic content across multiple platforms so it is accessible to everyone who needs it, when they need it, however they want to access it. This course teaches how to turn your authoritative GIS data, workflows, and maps into ArcGIS services that can be published to ArcGIS Online, ArcGIS for Server, or Portal for ArcGIS; easily embedded in web maps and websites; accessed by desktop, web, and mobile applications; and deployed to servers on secure internal networks. You will learn how to determine which sharing option is appropriate for your needs.

Who Should Attend

- GIS analysts, specialists, and other experienced ArcGIS users who want to share GIS resources in web maps and web mapping applications
- Developers who want to incorporate GIS services and web maps into custom applications

Goals

After completing this course, you will be able to

- Author and publish map services to share your authoritative GIS data.
- Publish feature services to enable editing of GIS data over the web.
- Create and publish image services to provide fast access to imagery.
- Publish geoprocessing services to share your GIS models and analysis results.
- Share GIS resources as stand-alone services and in web maps and web mapping applications.

Prerequisites: Yes*

Migrating to ArcGIS 10.2 for Server

Two days (16 hours)—$1,010

Overview

This course provides an overview of workflows you can follow to successfully migrate ArcGIS Server versions 10.0 and 9.x to version 10.2. ArcGIS 10.2 for Server uses a services architecture based on widely adopted web standards and supports rich functionality, simple installation and administration, and high performance and scalability. You will learn what the architecture changes mean for your existing system and get the information and hands-on experience you need to implement a suitable migration strategy for your organization.

Who Should Attend

Experienced administrators of a version 10.0, 9.3.1, or 9.3 ArcGIS Server system who need to install, manage, and support an ArcGIS 10.2 for Server system.

Goals

After completing this course, you will be able to

- Choose an appropriate migration pattern based on your resources and organizational needs.
- Prepare for migration by documenting and backing up existing GIS web services, applications, map caches, and security configurations.
- Install ArcGIS 10.2 for Server, deploy one or more GIS servers, and connect GIS servers to a web server.
- Migrate existing caches, services, security configurations, applications, and supporting resources to an ArcGIS 10.2 for Server system.
- Apply new workflows to efficiently publish high-performing services.
- Add features that enrich the end user and administrative experience.

Prerequisites: Yes*

ArcGIS for Server: Site Configuration and Administration

Three days (24 hours)—$1,515

Overview

Designed for administrators, this course teaches how to successfully install, configure, and manage an ArcGIS for Server system that enables GIS content sharing across the enterprise or on the web. You will learn the ArcGIS for Server architecture and apply recommended workflows to configure ArcGIS server sites and manage GIS services, applications, data, and users. Techniques and best practices to ensure performance, security, and reliability are emphasized.

Who Should Attend

IT administrators, system administrators, GIS administrators, and others responsible for installing, managing, or supporting an ArcGIS for Server system

Goals

After completing this course, you will be able to

- Successfully install ArcGIS for Server and create an ArcGIS for Server site.
- Configure the ArcGIS Web Adaptor component to integrate your ArcGIS server with a web server.
- Publish services that have the capabilities required for your applications.
- Plan, create, and update a cache for high-performing map and image services.
- Tune and monitor services to ensure high performance.
- Implement security for your site and services that meets the needs of your organization.

Prerequisites: Yes*

Implementing Esri Geoportal Server

Two days (16 hours)—This course is offered as a client-site class and as part of Esri Geoportal Server Jump Start Packages. Please contact portal@esri.com for information.

Overview

Esri Geoportal Server is a free and open-source product for implementing local, regional, national, and global spatial data infrastructure (SDI) portals. It provides the framework, discovery tools, services preview, administration, publishing, and resource synchronization modules necessary for a successful geoportal. This course teaches how to install, customize, and use a geoportal using the open-source Esri Geoportal Server.

Who Should Attend

- Technical staff from an Esri partner, distributor, or distributor partner who will implement Esri Geoportal Server for end users (After completing the course, Esri partners, distributors, and distributor partners may offer implementation services for Esri Geoportal Server.)
- GIS data managers, analysts, specialists, data technicians, database administrators, or others who need to store and manage geospatial resources

Goals

After completing this course, you will be able to

- Install an Esri Geoportal Server instance.
- Understand how Esri Geoportal Server supports different metadata standards.
- Integrate a geoportal into an enterprise GIS architecture.
- Understand how to use client tools to perform effective searches.
- Know how to join in the Esri Geoportal Server open-source project.

Prerequisites: Yes*

System Architecture Design Strategies

Three days (24 hours)—$1,515

Overview

This course covers GIS architecture design strategies and infrastructure architecture alternatives that support successful enterprise operations. You will learn comprehensive guidelines for planning and selecting the right system solution to meet your organization's needs. This course also covers performance validation and system capacity planning techniques for enterprise GIS deployments.

Who Should Attend

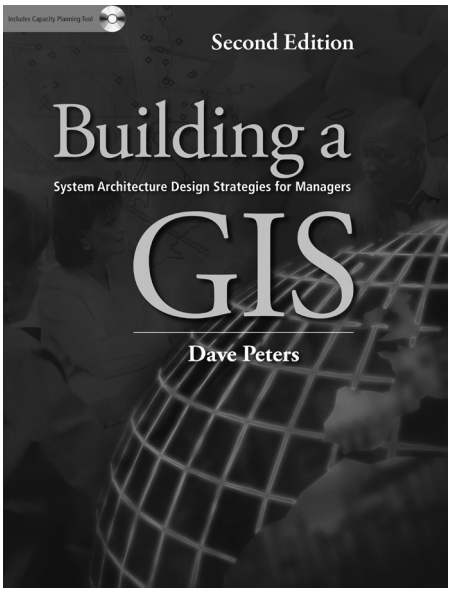
- Senior architecture consultants and software architects who need to increase their knowledge of enterprise GIS system design
- GIS managers, project managers, and software developers who need to understand system architecture and hardware capacity planning criteria
- IT and system administrators and consultants who need to understand, identify, and troubleshoot performance problems with existing GIS environments

Goals

After completing this course, you will be able to

- Identify and collect user workflow requirements for an enterprise GIS.
- Describe software alternatives for each identified user workflow.
- Recognize factors that impact GIS software performance and scalability.
- Identify network bandwidth requirements and remote client performance expectations.
- Describe architecture alternatives for meeting your system deployment needs.
- Understand how platform technology affects ArcGIS performance and capacity.
- Apply best practices for incorporating security throughout system design and deployment.
- Develop a target enterprise hardware design to support your system performance needs.

Prerequisites: Yes*



Written by *System Architecture Design Strategies* course author Dave Peters, this Esri Press book can complement the course in helping organizations implement, integrate, and scale up a GIS at a lesser cost.

*For up-to-date course descriptions, prerequisites, pricing, and schedules, visit **esri.com/coursecatalog**.

Introduction to Geoprocessing Scripts Using Python

Three days (24 hours)—$1,515

Overview

Python® scripts can reduce the time spent on complex or repetitive tasks, enabling GIS staff to be more productive. This course teaches how to create Python scripts to automate tasks related to data management, feature editing, geoprocessing and analysis, and map production using ArcGIS. You will also learn how to share your Python scripts so your key GIS workflows are accessible to others.

Who Should Attend

GIS analysts, specialists, data processors, and others who want to automate ArcGIS tasks and workflows

Goals

After completing this course, you will be able to

- Choose a Python scripting environment that meets your needs.
- Incorporate cursors, describe objects, and list objects into scripts to manage and update data.
- Use ArcPy classes and geometry objects to create and update features and perform geoprocessing operations.
- Use the ArcPy mapping module to automate map document and layer management.
- Apply techniques to ensure valid script syntax and error handling.
- Create custom script tools and geoprocessing packages to share your scripts.

Prerequisites: Yes*

Building Web Applications Using ArcGIS API for JavaScript

Two days (16 hours)—$1,010

Overview

This course teaches how to use ArcGIS API for JavaScript™ to efficiently develop high-performing, engaging web applications that meet the needs of their intended audience. You will learn about the classes available in the API, how to use them in a JavaScript-based web application, and how to incorporate ArcGIS services and ArcGIS Online content to enhance your applications. This course focuses on functionality available with ArcGIS 10.2 and 10.1 services, but many course concepts apply to ArcGIS 10.0 and 9.3.1 services.

Who Should Attend

- Web developers who want to create JavaScript-based applications that include ArcGIS services and functionality
- GIS professionals who want to create JavaScript-based web mapping applications

Goals

After completing this course, you will be able to

- Build, test, and deploy a web application using ArcGIS API for JavaScript.
- Incorporate ArcGIS services that allow end users to visualize, query, and edit data.
- Configure API components to meet user experience (UX) requirements.
- Apply best practices to ensure high performance and proper communication between the client application and web server.

Prerequisites: Yes*

Building Web Applications Using ArcGIS API for Flex

Two days (16 hours)—$1,010

Overview

This course teaches how to use ArcGIS API for Flex™ and the Adobe Flex platform to efficiently develop high-performing, engaging web applications that meet the needs of their intended audience. You will learn about the components available in the Flex platform, how to write code for a Flex-based application, and how to incorporate ArcGIS services and ArcGIS Online content to enhance your web applications. While this course focuses on functionality available with ArcGIS 10.2 and ArcGIS 10.1 services, many course concepts are applicable to ArcGIS 10.0 and 9.3.1 services.

Who Should Attend

- Web developers who want to create Flex-based applications that include ArcGIS services and functionality
- GIS professionals who want to create Flex-based web mapping applications

Goals

After completing this course, you will be able to

- Enhance an existing Flex application by embedding a map that features ArcGIS Online content.
- Add components that support interactive map navigation and dynamic rendering of map layers.
- Incorporate data queries for selecting map features and displaying attribute results.
- Leverage printing and geoprocessing tasks.
- Add feature editing functionality to support web-based editing workflows.
- Deploy an optimized Flex-based web application.

Prerequisites: Yes*

Esri Technical Certification: Skills Review for ArcGIS Desktop Associate

Two days (16 hours)—$1,010

Overview

This course helps prepare you to take the ArcGIS Desktop Associate certification exam. You will review and apply your ArcGIS skills in the areas of GIS data management, editing, visualization, and analysis. Hands-on practice with ArcGIS for Desktop software is emphasized.

This course is designed as an exam-preparation resource. You are not required to take this course to earn the certification, and completing this course does not guarantee you will pass the exam.

Who Should Attend

Individuals planning to take the ArcGIS Desktop Associate exam

Goals

After completing this course, you will be able to

- Create a file geodatabase, add data to it, and define components used to ensure data integrity.
- Assess spatial properties to determine whether a dataset is appropriate for a given task.
- Choose appropriate source data, layer properties, and layout elements for a given map purpose.
- Create labels and annotation to improve map readability.
- Design a map that will be shared on the web.
- Create and update features with the required accuracy.
- Edit data in a versioned environment and resolve editing conflicts.
- Choose appropriate data, tools, and workflows for a given analysis.

Prerequisites: Yes*

Esri Technical Certification: Skills Review for ArcGIS Desktop Professional

Two days (16 hours)—$1,010

Overview

This course helps prepare you to take the ArcGIS Desktop Professional certification exam. In a fast-paced class environment that emphasizes group discussion and hands-on practice, you will review and apply your ArcGIS skills in the areas of vector and raster data management, data visualization, GIS analysis, modeling and Python scripting, and map production and sharing. Proficiency with ArcGIS for Desktop, ArcGIS Network Analyst, and ArcGIS Spatial Analyst is assumed.

Who Should Attend

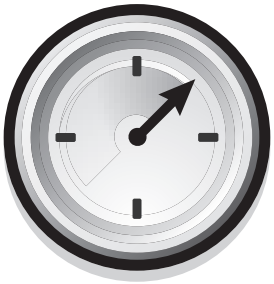
Individuals planning to take the ArcGIS Desktop Professional exam

Goals

After completing this course, you will have reinforced and improved the skills required to perform the tasks below. You will also identify areas where you may need to invest additional preparation time in order to earn the ArcGIS Desktop Professional certification.

- Assess data accuracy and quality needs for a given project.
- Troubleshoot coordinate system and data alignment errors.
- Design a file geodatabase schema for a given project.
- Choose appropriate data, tools, and settings for a given analysis.
- Create geoprocessing models to automate GIS tasks.
- Apply symbology techniques to improve map readability.
- Share GIS data, maps, and workflows with ArcGIS users and others.

Prerequisites: Yes*



Learn a Lot in 60 Minutes

Esri live training seminars offer GIS training by a technical expert streamed directly to your desktop. These one-hour seminars are live, interactive, and free. You can even request that we e-mail you reminders for upcoming seminars.

All are recorded and available shortly after the live event, in case you miss one.

See the schedule of upcoming seminars at **esri.com/lts**.

*For up-to-date course descriptions, prerequisites, pricing, and schedules, visit **esri.com/coursecatalog**.

Instructor-led workshops are our newest learning solution. A workshop presents best practices and demonstrations on a focused topic. Taught in real time by an expert Esri instructor, a workshop is ideal for those who need to understand essential concepts and quickly get up to speed with Esri technology.

Students may ask questions throughout, and the instructor facilitates open question and answer (Q&A) sessions. Student resource materials and a certificate of completion are included.

ArcGIS Online Subscriptions for Organizations: Publisher Workflows

Four hours—$175

Overview

This workshop will help prepare you to author and publish GIS resources to your organization's ArcGIS Online site. You will learn what types of content can be published to ArcGIS Online, how to author GIS resources to support their planned use, and how to extend the usefulness of those resources with web maps and web applications.

Who Should Attend

GIS analysts, specialists, and others who need to publish GIS resources to their organization's ArcGIS Online site.

Prerequisites: Yes*

ArcGIS Online Subscriptions for Organizations: User Workflows

Four hours—$175

Overview

Your organization's ArcGIS Online site is a source for GIS data, web maps, and other geographic content that can inform and add value to your projects. This workshop teaches how to discover content hosted on an ArcGIS Online organizational site, determine if the content is suitable for your needs, and interact with the content using web maps and Esri Maps for Office®.

Who Should Attend

Knowledge workers, managers, and other professionals who need to work with content available through their organization's ArcGIS Online site

Prerequisites: Yes*

ArcGIS 10.2 for Desktop: Quick Start for ArcGIS 9.x Users

One day (Eight hours)—$350

Overview

At version 10.2, ArcGIS is a complete platform that individuals and organizations use to find, explore, create, and share maps; collaborate in groups and communities; and deploy GIS resources wherever they are needed. In this workshop, you will learn about the major enhancements to the ArcGIS platform and simplified workflows to visualize, edit, analyze, and share GIS data and maps.

Who Should Attend

Experienced ArcGIS Desktop 9.x users who need an introduction to ArcGIS 10.2 workflows and concepts. Experienced ArcGIS Desktop 10.0 users may also benefit.

Prerequisites: Yes*

Esri Technical Certification

The Esri Technical Certification Program gives you the opportunity to distinguish yourself by achieving a technical benchmark in your area of expertise, whether you're a GIS professional using ArcGIS software, a developer of GIS applications, or a GIS enterprise systems administrator.

Promoting GIS Success

The Esri Technical Certification Program is designed to create a community of qualified individuals who are proficient in best practices using Esri software. Establishing an industry-recognized benchmark will provide the following benefits:

- Improve success with GIS by creating a more qualified work force
- Help organizations maximize their investment in Esri technology by employing a work force certified in using best practices
- Assist hiring organizations in assessing candidate skills and abilities
- Aid in creating departmental and organizational staff development plans

Taking an Exam

Esri Technical Certification exams are offered at more than 5,000 locations around the world through Pearson VUE, Esri's global testing partner. The computer-based exams consist of 85–95 multiple-choice questions and take approximately two hours to complete. Exams are currently offered in English only.

Preparing for Your Exam

The skills and knowledge you've acquired on the job are the best preparation for your certification exam. You should also review the Candidate Qualifications and Skills Measured sections on the Esri Technical Certification website. From that, you can determine if your skills align with the listed skills and qualifications.

You can also review Training Resources and identify classes that may help you prepare for the exam. In addition, you can visit the ArcGIS Resources site at **resources.arcgis.com** or view product web pages, demos, and PowerPoint presentations at **esri.com**. Esri also offers the two instructor-led Skills Review courses below to help you prepare for the desktop certification exams, sample question web courses for a number of certifications, and the *Esri ArcGIS Desktop Associate Certification Study Guide* published by Esri Press. To view information about sample question web courses, visit **esri.com/skillsreview**. To view details about the study guide, visit **esri.com/esripress**.

- Esri Technical Certification: Skills Review for ArcGIS Desktop Associate (see page 18)
- Esri Technical Certification: Skills Review for ArcGIS Desktop Professional (see page 18)

For detailed information about the program and each certification, visit **esri.com/certification**.

To register for an exam, visit **www.pearsonvue.com/esri**.

* Certification is in development.

Instructor-Led Training

1. Select Your Course

Go to **esri.com/coursecatalog** to view schedules for instructor-led courses taught in the traditional classroom and online. For more information on course availability or for advice, please contact an Esri training consultant at **GIStraining@esri.com** or 1-800-447-9778, extension 1-5757.

2. Register

A registration application is required for each student. We recommend that you register at least one month prior to the class, since applications are processed on a first come, first served basis.

- Esri Training Website—Once you've selected your course, enter the number of seats you'll need, or students who will attend, and click Register. You will then be asked to complete an online registration form and submit payment information through our secure online system.
- By Fax or Mail—Download and complete a registration application, which you can fax or mail to Esri. Directions are on the form.

Online registrations will be acknowledged within 2 business days. Phone, mail, and fax registration applications will be acknowledged via e-mail. Registrations will not be confirmed until payment is received. Classes are confirmed a minimum of 10 business days prior to the scheduled start date. Please keep this in mind when purchasing nonrefundable airline tickets.

3. Payment

To complete your registration, proof of payment is required. Payment can be made by check (payable to Esri), credit card, preexisting contract, federal government training request, or purchase order. Cash is not accepted. Purchase orders for less than $800 will be accepted only from United States federal, state, and local government agencies; United States educational institutions; and Fortune 500 companies. Mail payment and a copy of your registration form to Esri, File #54630, Los Angeles, CA 90074-4630.

Transfers and Substitutions

A student may transfer to another class up to two times without charge, after which an administrative fee will be assessed for each transfer. Student substitutions (filling a student's place with another person from the same organization) are allowed under certain conditions. Please refer to Training Terms and Conditions found at **esri.com/legal**.

Schedule Changes and Cancellations

It is sometimes necessary to change the dates on which a class is offered or to cancel a class. In this case, students will be notified by phone and e-mail as soon as possible and not less than 10 days prior to the scheduled start of the class.

Travel, Lodging, and Meals

Esri is not responsible for student travel arrangements and assumes no responsibility for losses from nonrefundable travel arrangements, including, but not limited to, airfare, lodging, or transportation to and from the training site, due to schedule changes. Training location maps, including local hotels and airports, are provided to registrants. Meals are not provided by Esri. Students can access a training location map with a list of area hotels at **esri.com/trainingmaps**.

Course Materials

All course materials are provided at the training site. For online courses, Esri hosts software that is used in the course, and course materials and data are downloaded as part of the class.

Get registration information for self-paced Virtual Campus web courses at esri.com /howtoregister_vc.

Esri Certified Training Program

Instructor-led training is also available through the Certified Training Program (CTP). CTP trainers hold both an Esri Technical Certification and a CompTIA CTT+ certification and offer select courses in ArcGIS 10.0 and 10.1. Visit **esri.com/ctp** to find CTP trainers near you.

Note: ArcGIS 10.1 marked the final software release for the Certified Training Program. Courses will be available through CTP through December 31, 2014.

Visit **esri.com/atp** to find ATP instructors near you.

International Training

Esri training is offered worldwide through our distributor network. Outside the United States, contact your local Esri distributor for course offerings and class schedules.

Find the Esri distributor near you at **esri.com/distributors**.

Notes

GIS Certification Institute

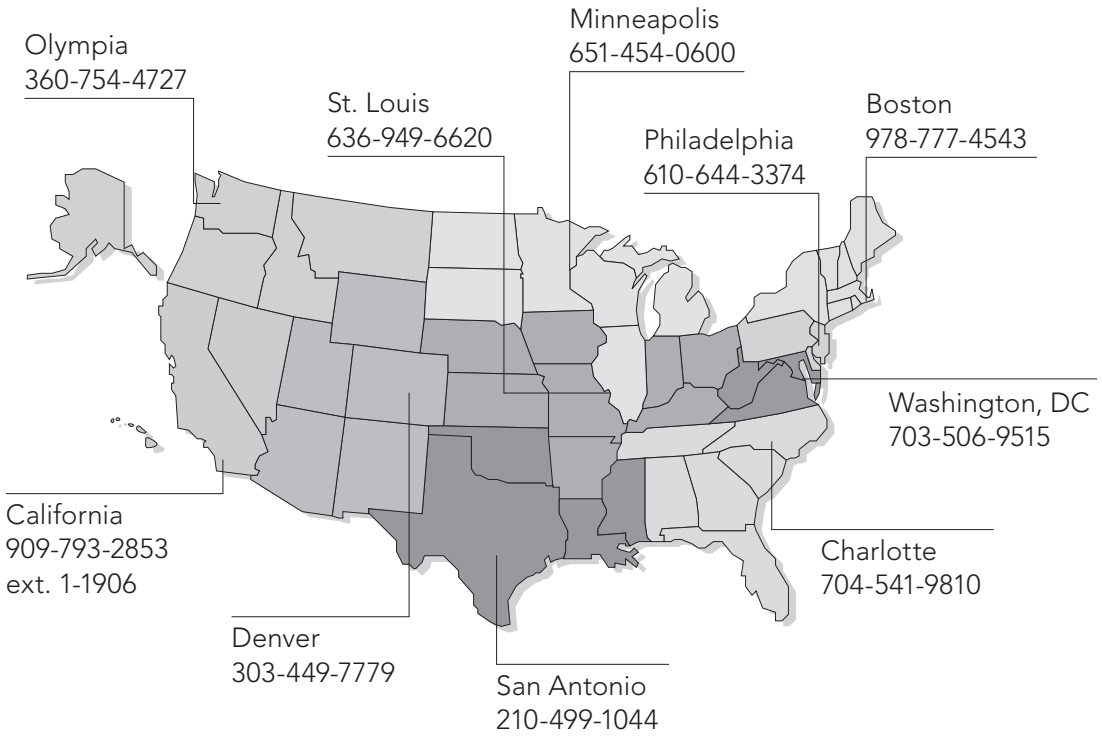
Esri instructor-led and self-study courses qualify for educational achievement points awarded by the GIS Certification Institute (GISCI). After completing an Esri training course, you may submit your course completion certificate to GISCI for verification.

For more information about GISCI, visit **www.gisci.org**.

Index

Esri offers training at the following Esri regional offices. For more information, visit **esri.com/trainingmaps** or call 1-800-447-9778, extension 1-5757.

Esri Regional Offices



Find Out More about Esri Training

For the latest class schedules and detailed course descriptions and to register, visit **esri.com/coursecatalog**.

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Esri Training

Is your GIS staff equipped for project success?

What resources are available to meet specific training goals?

Need to stretch your training budget?

Do you have a plan of action to achieve the full business benefits of GIS?

A staff development plan is a tool to help you ensure that staff skills are leading edge, and it can also help you prepare for technology implementations, simplify budget processes, and clarify the critical contribution of GIS in your organization. An Esri training consultant is available to help you create a plan that reflects your organization's goals and needs.

To talk with an Esri training consultant, call 1-800-447-9778, extension 1-5757, or send an e-mail to **GIStraining@esri.com.**

Desktop • Server • Web