



Esri Saudi Arabia Training Catalog 2024

Your Location for Lifelong Learning

Instructor-Led Courses





Dear Colleague:

Today's ArcGIS® platform provides a geospatial infrastructure that allows organizations to leverage geographic information system (GIS) technology at scale—with rich content and advanced tools for mapping and analytics that help professionals, like yourself, solve problems holistically.

Esri instructor-led training provides the foundation you need to learn how to build a strong platform, extend it across your organization, and fully leverage your GIS investment. Courses are available to help you speed up your adoption of new technology; be more productive; and more easily share and collaborate with colleagues, decision-makers, and the public.

Staying current with the latest technology will give you a competitive edge. You will be able to help solve the challenges facing your organization and our world by applying a data-driven approach to increase understanding, collaboration, and actionable insights.

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

Warm regards,

A handwritten signature in black ink that reads "Jack Dangermond". The signature is written in a cursive, flowing style.

Jack Dangermond

Connect with Esri Saudi Arabia Training

Email: training@esrisaudi Arabia.com

Web: www.esrisaudi Arabia.com

Grow and Apply ArcGIS Skills

ArcGIS is a complete platform for mapping and spatial analytics that helps organizations unlock the full potential of their data to solve problems and improve results.

This catalog includes courses for GIS practitioners and non-GIS professionals; for administrators and developers; and for anyone who needs to use ArcGIS tools to perform their daily workflows, enhance projects with geographic context, and create information that leads to better decision-making.

Courses to Get Started with ArcGIS — Page 7

These courses emphasize the best practices that will prepare professionals with little or no ArcGIS Pro or ArcMap™ experience to be productive quickly.

Courses for GIS Professionals — Page 10

A GIS professional may wear many hats. Whether you are a one-person GIS team supporting the mapping needs of your entire organization or one of dozens of professionals in a large GIS department, your work involves one or more core ArcGIS capabilities.

Courses for Administrators — Page 19

IT, system, and database administrators have unique learning needs. These courses focus on best practices to manage and secure GIS infrastructure, including data, applications, servers, and users.

ArcGIS Desktop

Where GIS professionals create authoritative geographic data, maps, tools, and analytical models that can be shared across the organization. Desktop apps provide powerful capabilities for spatial analysis, 3D modeling, image management, and more.

ArcGIS Enterprise

Where IT and GIS professionals manage, secure, and share geographic content as services that can be consumed in desktop, web, and mobile apps. ArcGIS Enterprise connects with relational database management systems and supports on-premises, cloud, virtual, and hybrid deployments.

ArcGIS Online

Where knowledge workers, executives, and members of the public collaborate and do self-service mapping. ArcGIS Online includes ready-to-use content and focused apps that add geographic insight to all types of projects.

Instructor-led format focuses on learner engagement.

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.

The course format includes the following:

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

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New Courses

[ArcGIS: Exploring the Possibilities](#)

[Location Analytics Using ArcGIS Insights](#)

[Introduction to ArcGIS Indoors](#)

[Introduction to Geospatial Concepts for Intelligence](#)

[Using ArcGIS for Geospatial Intelligence Analysis](#)

[Building Web Apps with ArcGIS Experience Builder](#)

[Building 3D Cities using ArcGIS CityEngine](#)

Get Started with ArcGIS

ArcGIS Online: Essential Workflows

Duration 2 Days

Overview

This course introduces web maps, apps, and other authoritative content that may be available through your ArcGIS Online organizational site. You will learn how to discover, use, create, and share content that infuses projects with geographic context, additional business intelligence, and visual impact. Course concepts also apply to ArcGIS Enterprise portals.

Who Should Attend

Knowledge workers, managers, and other professionals who have access to an ArcGIS Online organizational site.

Learn How To

- Find content on an ArcGIS Online organizational site that meets your project needs.
- Create and style a web map.
- Style and configure a web app.

Prerequisite:

None

Introduction to GIS Using ArcGIS

Duration 3 Days

Overview

Learn fundamental concepts that underlie GIS technology and geographic data. In this course, you will gain experience using GIS maps to visualize and explore real-world features; analyze data to answer questions and create new information; and share maps, data, and other resources so they can be easily accessed throughout your organization.

Who Should Attend

Individuals with no prior GIS education or workplace experience with GIS.

Learn How To

- Identify appropriate data to support a mapping project.
- Create a map, add data to it, and symbolize map features to support the map's purpose.
- Share data, maps, and other content to an organizational portal.
- Perform spatial analysis to obtain information about map features within an area of interest.

Prerequisite:

None

ArcGIS Pro: Essential Workflows

Duration 4 Days

Overview

This course focuses on common workflows and best practices to map, manage, analyze, and share geographic data and resources. You will acquire the essential skills you need to be productive with ArcGIS Pro.

Who Should Attend

Individuals with introductory-level knowledge of GIS concepts and limited ArcGIS experience

Learn How To

- Combine data to create informative maps.
- Symbolize features on 2D and 3D maps.
- Organize, create, and edit geographic data to keep it accurate and up-to-date.
- Design an attractive layout for printed maps.
- Analyze GIS data to create new information.
- Share maps, analysis results, and geoprocessing models.

Prerequisite:

Introduction to GIS Using ArcGIS

Get Started with ArcGIS (Continued)

ArcGIS: Exploring the Possibilities

Duration 3 Days

Overview

This course explores how organizations use ArcGIS to streamline operations, gain deeper insight from data, and enhance collaboration across business lines. Discover how ArcGIS capabilities work together to enable efficiencies and insight at scale, and get inspired by what's possible when location intelligence is infused throughout the enterprise.

Who Should Attend

Business and technical leaders and staff

Learn How To

- Invigorate reports and communications using immersive ArcGIS stories to increase collaboration among teams, project stakeholders, and the public using ArcGIS Hub sites.
- Realize ArcGIS benefits more quickly with people-focused change management and ArcGIS Solutions configured for specific industry workflows and key information products.
- Understand how ArcGIS functions as a system of record, engagement, and insight that supports critical workflows and business needs.
- Enable impactful insight and information-sharing through an ArcGIS portal that enables easy access to geographic data, ready-to-use content, and web maps and apps

Prerequisite:

No experience with GIS or ArcGIS is required

Migrating from ArcMap to ArcGIS Pro

Duration 3 Days

Overview

This course introduces essential ArcGIS Pro terminology and prepares you to be productive right away. You will learn how to efficiently complete a variety of tasks related to mapping, editing, analyzing, and sharing data, maps, and other geospatial resources.

Who Should Attend

Experienced ArcMap users

Learn How To

- Create an ArcGIS Pro project and import map documents and 3D scenes.
- Create and modify map layouts and symbology.
- Edit feature geometry and attributes.
- Import a geoprocessing model and identify potential migration issues.
- Share geospatial resources to your organization's ArcGIS portal.

Prerequisite:

GIS and ArcMap experience

Mapping and Visualization		
Working with ArcGIS Dashboards	Mapping and Visualizing Data in ArcGIS	Creating Stories with ArcGIS
Duration 3 Day	Duration 3 Days	Duration 2 Days
Overview	Overview	Overview
Learn how to display multiple data visualizations on a single screen that supports dynamic data exploration, real-time operations monitoring, and informed decision-making. The course covers dashboard types, design considerations, layout options, and techniques to organize and focus dashboard elements to meet the specific information needs of your audience.	Learn cartographic techniques and ArcGIS Pro and ArcGIS Online workflows to create and share a variety of professional-quality information products including print maps, web maps, 3D scenes, animations, and charts.	Thanks to their engaging user experience, story maps have achieved mass appeal as a vehicle to inform the public, engage stakeholders, and inspire an audience. This course teaches the concepts, best practices, and decisions that need to be made when creating and sharing a story map.
Who Should Attend	Who Should Attend	Who Should Attend
This course is for anyone who wants to present a lot of data simply and effectively using visually engaging dashboards	Cartographers and GIS analysts, specialists, mapping technicians, and others who need to produce maps using ArcGIS software	Anyone that wants to tell stories with maps
Learn How To	Learn How To	Learn How To
<ul style="list-style-type: none"> Add data from multiple sources to a dashboard. Configure dashboard elements, including maps, charts, indicators, and lists. Manage data display and maximize the visual impact of your dashboards. 	<ul style="list-style-type: none"> Prepare data for a mapping project. Apply symbology and labeling techniques to enhance data visualization on maps and charts. Design print map layouts that are appropriate for your data, audience, and map purpose. Design web maps for use in web-based information products. Create and share 3D scenes and animations that enable dynamic visualization of data and change over time. . 	<ul style="list-style-type: none"> Design a story map based on your purpose and audience. Add web maps, images, multimedia, and text to create an engaging story map. Apply best practices to share and promote your story maps.
Prerequisite:	Prerequisite:	Prerequisite:
Familiarity with ArcGIS Online will be helpful	ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro	None

Analytics					
Location Analytics Using ArcGIS Insights		Imagery Analysis in ArcGIS Pro		Spatial Analysis with ArcGIS Pro	
Duration	3 Days	Duration	3 Days	Duration	4 Days
Overview		Overview		Overview	
<p>This course provides a solid grounding in ArcGIS Insights capabilities and components. Learn how to structure an analysis and dynamically visualize and analyze nonspatial and spatial data together, then share your work using attractive visual themes and repeatable analysis workflow models. Course concepts apply to all ArcGIS Insights deployment options. Attendees will use Insights desktop in course exercises.</p>		<p>This course teaches best practices to extract meaningful information from satellite imagery, unmanned aerial vehicle (UAV)-collected data, and other imagery formats. Learn how to display, process, and create derived raster products using ArcGIS Pro and ArcGIS Image Analyst tools</p>		<p>Learn essential concepts and a standard workflow you can apply to any spatial analysis project. You will work with a variety of ArcGIS tools to explore, analyze, and produce reliable information from data. Course exercises use an Advanced license of ArcGIS Pro and ArcGIS 3D Analyst™, ArcGIS Spatial Analyst™, and ArcGIS Geostatistical Analyst.</p>	
Who Should Attend		Who Should Attend		Who Should Attend	
<p>GIS professionals, analysts, researchers, and others who want to dynamically visualize and analyze data</p>		<p>GIS professionals and imagery analysts in the private sector and civilian government agencies</p>		<p>GIS analysts, specialists, and others who manage or conduct spatial analysis projects</p>	
Learn How To		Learn How To		Learn How To	
<ul style="list-style-type: none"> Start an analysis project in minutes by creating an Insights workbook; connecting to data sources, including spreadsheets and relational databases; location-enabling tabular data, and visualizing data relationships on interactive maps and charts. Expand an analysis by enriching a dataset with Esri demographics, adding layers from ArcGIS Living Atlas of the World, creating tables, time series graphs, data clocks, a link analysis, ... Enhance and streamline an analysis by enabling the Insights scripting environment and using a Python script to create charts, scatter plots, and histograms. Share your Insights project work with stakeholders, and create step-by-step analysis models that enable others to repeat or adapt the workflows you used. 		<ul style="list-style-type: none"> Apply dynamic raster functions to enhance imagery display and perform change detection. Perform supervised, object-based image classification and assess the accuracy of results. Postprocess classified thematic rasters to support analysis needs. Work with derived information products including digital elevation models. 		<ul style="list-style-type: none"> Prepare data and choose appropriate tools and settings for analysis. Examine features and distribution patterns within an area of interest and identify optimal locations using 2D and 3D analyses tools. Quantify spatial patterns using spatial statistics and analyze change over time to identify emerging hot spots. Use interpolation and regression analysis to explain why patterns occur and predict how patterns will change. Automate an analysis workflow using a geoprocessing model. Share analysis results to your ArcGIS Online organizational site or on-premises portal website. 	
Prerequisite:		Prerequisite:		Prerequisite:	
<p>Introduction to GIS Using ArcGIS or equivalent knowledge is recommended</p>		<p>ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro</p>		<p>ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro</p>	

Data Management					
Managing Geospatial Data in ArcGIS		Field Data Collection and Management Using ArcGIS		Creating and Editing Data with ArcGIS Pro	
Duration	3 Days	Duration	3 Days	Duration	3 Days
Overview		Overview		Overview	
<p>This course takes you on an in-depth exploration of the geodatabase, the native data storage format for ArcGIS software. Best practices to create a geodatabase to centrally store and efficiently manage your organization’s authoritative geospatial data are covered. Using ArcGIS Pro, you will develop skills needed to configure unique geodatabase features that ensure data integrity and accuracy over time and a thorough understanding of file and enterprise geodatabase capabilities.</p>		<p>Learn how ArcGIS supports a complete field data management workflow—from the office to the field, in the field, and back to the office. You will learn best practices to configure and deploy ArcGIS field productivity apps to meet your data collection needs. You will have the opportunity to use your own iOS or Android device to complete some course exercises.</p>		<p>This course teaches best practices to create accurate geographic data and maintain it over time. You will get ample hands-on practice with a variety of ArcGIS Pro tools that streamline the editing process and decrease the potential for errors when updating your GIS database.</p>	
Who Should Attend		Who Should Attend		Who Should Attend	
<p>GIS managers, analysts, data managers, data technicians, and others who manage geographic data</p>		<p>GIS managers, professionals, and field operations managers</p>		<p>GIS technicians, specialists, and other experienced ArcGIS users who create and maintain their organization’s geographic data</p>	
Learn How To		Learn How To		Learn How To	
<ul style="list-style-type: none"> • Create a geodatabase, explore schema options, and evaluate appropriate data models. • Add data to a geodatabase, edit feature geometry and attributes, and create a mosaic dataset to store and disseminate imagery. • Define data rules and relationships to simplify data editing and ensure data integrity. • Configure access to an enterprise geodatabase and create a versioned feature class to allow multiple concurrent editors. 		<ul style="list-style-type: none"> • Create a web app to collect requests and generate work assignments. • Efficiently manage field workforce assignments and monitor field data collection in real time. • Create and configure a web map for map-based data collection and surveys for form-based data collection. • Create a navigation map that includes custom asset data. 		<ul style="list-style-type: none"> • Apply a standard editing workflow to manage updates to geographic data. • Configure ArcGIS Pro application and project settings to support efficient editing. • Create, modify, and delete 2D and 3D features and attributes. • Solve common data alignment issues and maintain spatial relationships among features when editing. 	
Prerequisite:		Prerequisite:		Prerequisite:	
<p>ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro</p>		<p>Putting ArcGIS to Use across Your Organization</p>		<p>ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro</p>	

Data Management (continued)		
Working with Parcel Data in ArcGIS Pro	Working with Lidar Data in ArcGIS	Preparing Data for GIS Applications
Duration 4 Days	Duration 2 Days	Duration 3 Days
Overview	Overview	Overview
This course teaches how to maintain accurate, up-to-date, and authoritative parcel data using the parcel fabric in ArcGIS Pro. You will learn a standard workflow to create a parcel fabric in a file geodatabase, add parcel data to the fabric, and edit parcels to reflect real-world changes. This course assumes familiarity with land records terminology.	This course introduces light detection and ranging (lidar) data concepts, collection methods, quality control considerations, and common applications. Techniques and best practices to manage, edit, visualize, and share lidar-derived 2D and 3D information products using ArcGIS Pro are covered.	This course explores data-preparation techniques that are relevant for a variety of GIS applications. Discover authoritative data resources and gain essential skills to assess data quality, address data inconsistencies, and deliver valid results from your GIS projects.
Who Should Attend	Who Should Attend	Who Should Attend
GIS technicians, editors, and others who need to create and edit parcel data	GIS managers, data managers, analysts, specialists, and others who need to manage, create, analyze, and disseminate lidar data and lidar-derived information products	GIS analysts, data managers, or specialists who need to get and prepare GIS data
Learn How To	Learn How To	Learn How To
<ul style="list-style-type: none"> • Create a parcel fabric in a file geodatabase and configure the parcel fabric environment. • Choose the appropriate method to load your parcel data into a parcel fabric. • Edit parcel geometry, measurements, attributes, and labels in a branch versioning environment. • Track parcel history and lineage to represent land record changes over time. • Publish a parcel fabric as a feature service to ArcGIS Enterprise so that up-to-date parcel data is available to everyone in your organization who needs it. 	<ul style="list-style-type: none"> • Validate the quality and accuracy of lidar data. • Edit lidar data to correct errors. • Organize, process, visualize, and share lidar data using ArcGIS LAS datasets, mosaic datasets, and point cloud scene layers. • Derive useful information products from lidar data, including raster surfaces, building footprints, and vegetation estimates. 	<ul style="list-style-type: none"> • Identify the data requirements for a given project and potential sources for data acquisition. • Assess a dataset's spatial, temporal, and temporal accuracy; logical consistency; and completeness to determine whether it meets a project's data quality standards. • Apply ArcGIS Pro tools and techniques to address quality issues, correct errors, and create new data that contains the spatial extent, accuracy, and attributes required for a project. • Create metadata to document a dataset's quality so that others can easily assess its appropriateness for their projects.
Prerequisite:	Prerequisite:	Prerequisite:
Creating and Editing Data with ArcGIS Pro	ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro	ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro or equivalent knowledge

Data Management (continued)					
Deploying and Maintaining a Multiuser Geodatabase		Implementing Versioned Workflows in a Multiuser Geodatabase		Configuring Branch Versioning in ArcGIS	
Duration	3 Days	Duration	4 Days	Duration	2 Days
Overview		Overview		Overview	
<p>This course prepares you to successfully create a multiuser geodatabase that stores and manages your organization's authoritative geographic data. Learn about the multiuser geodatabase architecture and apply techniques to efficiently load data, assign user privileges, and maintain performance over time.</p>		<p>Learn a sound traditional versioning workflow that minimizes disruption to editors, ensures the integrity of your organization's GIS data, and integrates well with existing business workflows. This course explores a variety of traditional versioned editing and geodatabase replication workflows.</p>		<p>This course prepares GIS professionals and database administrators to implement branch versioning in an enterprise geodatabase using ArcGIS Pro. Learn best practices to establish branch versioning workflows that support multiuser editing and the accuracy of your authoritative geospatial data. This course is especially relevant for organizations that have deployed ArcGIS Utility Network or ArcGIS Parcel Fabric. For training on traditional versioning workflows, see Implementing Versioned Workflows in a Multiuser Geodatabase.</p>	
Who Should Attend		Who Should Attend		Who Should Attend	
<p>Spatial database administrators and GIS data managers</p>		<p>Geodatabase administrators and GIS data managers</p>		<p>GIS database managers and administrators</p>	
Learn How To		Learn How To		Learn How To	
<ul style="list-style-type: none"> • Create a multiuser geodatabase. • Load and update data in a multiuser geodatabase. • Configure user roles and permissions to provide secure data access. • Apply best practices to optimize geodatabase performance. 		<ul style="list-style-type: none"> • Design a traditional versioning workflow that meets your organization's needs. • Load data into a traditional versioned feature class. • Manage multiple geodatabase versions. • Monitor and maintain geodatabase performance in a traditional versioned editing environment. 		<ul style="list-style-type: none"> • Create and edit a branch version of a feature class stored in an enterprise geodatabase. • Configure user roles, group permissions, and privileges for branched-version editing.. • Share branch-versioned data as a service to support online and offline multiuser editing workflows. 	
Prerequisite:		Prerequisite:		Prerequisite:	
<p>ArcGIS Pro: Essential Workflows</p>		<p>ArcGIS Pro: Essential Workflows Deploying and Maintaining a Multiuser Geodatabase</p>		<p>ArcGIS Enterprise: Configuring a Base Deployment</p>	

Scripting and Application Development

Creating Python Scripts for ArcGIS

Duration 4 Days

Overview

Time is valuable. Learn how to create scripts that will streamline your GIS work. This course teaches how to access the Python environment in ArcGIS Pro, create scripts for common data management tasks, and automate geoprocessing workflows. You will learn techniques to share your scripts so they are easily accessible both inside and outside ArcGIS Pro. This course assumes some familiarity with Python and basic programming concepts.

Who Should Attend

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

Learn How To

- Apply Python syntax rules, error handling techniques, and tool validation to create robust scripts in ArcGIS Pro.
- Use lists and loops to repeat geoprocessing tasks within a script to create an efficient, repeatable analysis workflow.
- Use cursors to access geospatial data, edit attributes, and create and modify features.
- Create geoprocessing packages and custom script tools to share your Python scripts with other ArcGIS users.

Prerequisite:

ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro

Building Web Apps with ArcGIS Experience Builder

Duration 3 Days

Overview

Learn how to build immersive web apps that take advantage of modern web design principles without writing code. This course shows how to interactively create, configure, and publish map centric and datacentric web apps that feature your organization's content.

Who Should Attend

GIS professionals, web designers, and others who want to create ArcGIS Experience Builder applications.

Learn How To

- Design the app layout and theme based on the audience and purpose.
- Configure widgets to enable users to interact with your organization's web maps and 2D and 3D data.
- Configure widgets to provide data-driven functionality across multiple pages.
- Test, preview, and publish your apps for use on a variety of devices

Prerequisite:

Basic familiarity with ArcGIS Online is recommended

Sharing and Collaboration

Sharing Content to ArcGIS Enterprise

Duration 3 Days

Overview

Learn how to efficiently share a variety of geospatial resources to an ArcGIS Online organizational site or ArcGIS Enterprise portal website. This course teaches how to publish high-performing services that extend ArcGIS mapping and analytics capabilities across your organization. Course attendees receive a free e-book copy of *Getting to Know Web GIS*, third edition.

Who Should Attend

- GIS professionals who need to share maps, layers, and other GIS content to an ArcGIS Online organizational site or on-premises portal website
- Developers who want to incorporate ArcGIS services into custom apps
- Administrators who need to understand the process for publishing ArcGIS services

Learn How To

- Share content between ArcGIS portals.
- Devise a sharing strategy that supports your organization's workflows and business goals.
- Share map layers, web maps, data, imagery, custom analysis tools, and ArcGIS Pro project packages.
- Create map and vector tile caches to enable fast display performance.

Prerequisite:

ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro

Industry-Focused					
Working with Utility Networks with ArcGIS		Configuring Utility Networks in ArcGIS		Introduction to Geospatial Concepts for Intelligence	
Duration	3 Days	Duration	3 Days	Duration	3 Days
Overview		Overview		Overview	
ArcGIS provides robust tools to model, visualize, edit, and analyze complex utility networks. This course introduces the ArcGIS Utility Network model in the enterprise geodatabase. Learn about the latest capabilities to better manage network assets, minimize network disruptions, and quickly respond to outages.		This course prepares you to deploy ArcGIS Utility Network to realistically model and manage your organization's assets and infrastructure. Learn how to define the network schema and properties and load data into a utility network. Attendees can complete course exercises using electric, gas, or water utility scenarios.		Learn foundational geospatial concepts that support the intelligence cycle. In the context of real-world scenarios, you will get hands-on practice applying ArcGIS tools and workflows to prepare, visualize, analyze, and disseminate data that supports intelligence operations. This course is taught using ArcGIS Pro.	
Who Should Attend		Who Should Attend		Who Should Attend	
GIS professionals who need to edit and analyze electric, gas, water, or telecommunications networks		GIS administrators, technical leads, and others who need to configure and deploy ArcGIS Utility Network		Professionals in the military, intelligence, and national security communities who have minimal or no geospatial experience and who specialize in intelligence planning, geospatial intelligence, all-source intelligence, imagery exploitation, or intelligence production	
Learn How To		Learn How To		Learn How To	
<ul style="list-style-type: none"> Deploy a utility network solution and add rules to accurately model connectivity and data relationships. Apply a standard workflow to create and edit network features and components while maintaining data integrity. Perform network tracing to identify the source of disruption and impacted customers. Create and share a diagram to dynamically visualize the network. 		<ul style="list-style-type: none"> Build a utility network using geoprocessing tools. Choose a method to migrate existing features into a utility network. Configure customizations to enhance network diagrams and tracing and editing workflows. Manage utility network schema changes and release updates over time. 		<ul style="list-style-type: none"> Identify and prepare geospatial data and other content for visualization and analysis. Organize, create, and manage geospatial data stored in a geodatabase. Display geospatial data and imagery on a map. Create and disseminate information products to support mission planning and intelligence operations. 	
Prerequisite:		Prerequisite:		Prerequisite:	
ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro		Working with Utility Networks in ArcGIS		Experience working on a desktop personal computer and with Microsoft Office applications	

Industry-Focused (continued)

Using ArcGIS for Geospatial Intelligence Analysis

Duration 3 Days

Overview

This course teaches geospatial concepts and recommended workflows that support the production of timely, accurate, and actionable intelligence. Using relevant scenarios and operational problems, you will learn how to manage, analyze, and visualize geospatial data, then share your work by producing mission-specific products aligned with industry best practices. This course is taught using ArcGIS Pro, ArcGIS 3D Analyst, and ArcGIS Spatial Analyst.

Who Should Attend

Professionals in the military, intelligence, and national security communities who specialize in intelligence planning, geospatial intelligence, all-source intelligence, imagery exploitation, or intelligence production

Learn How To

- Evaluate and prepare geospatial data to support intelligence planning and analysis activities.
- Analyze potential threats to identify patterns, hot spots, and clusters.
- Use Military Tools for ArcGIS and ArcGIS LocateXT to support production workflows, analysis, visualization, and information dissemination.
- Create and share operational map products that include military symbology.

Prerequisite:

Introduction to Geospatial Concepts for Intelligence

Manage Your Infrastructure

ArcGIS Enterprise: Configuring a Base Deployment

Duration 3 Days

Overview

Learn administration essentials to install and configure an ArcGIS Enterprise base deployment that enables individuals to securely access, create, and share geospatial resources. You will learn how to license and install the four software components of a base deployment and ensure system security and performance.

Who Should Attend

IT and GIS administrators, GIS technical leads, and others who manage an ArcGIS Enterprise deployment

Learn How To

- Install ArcGIS GIS Server, Portal for ArcGIS, ArcGIS Data Store, and ArcGIS Web Adaptor (IIS or Java Platform).
- Configure an ArcGIS Enterprise portal to manage users, groups, and content sharing privileges.
- Apply HTTPS certificates to support encrypted communication.
- Configure a suitable authentication method for your organization's needs.

Prerequisite:

Sharing GIS Content Using ArcGIS

ArcGIS Enterprise: Administration Workflows

Duration 4 Days

Overview

Master techniques to configure and maintain an ArcGIS Enterprise solution that meets your organization's business needs. You will learn about ArcGIS Enterprise architecture, server licensing roles and extensions, and the capabilities that support common GIS patterns of use. Best practices to manage servers, data, and services while ensuring system performance over time are covered.

Who Should Attend

IT and GIS administrators, GIS technical leads, and others who manage an ArcGIS Enterprise deployment

Learn How To

- Apply best practices to configure GIS resources, services, and caches.
- Use scripts to automate common administrative functions.
- Configure distributed collaboration between multiple ArcGIS Enterprise portals.
- Maintain system performance using workload separation.

Prerequisite:

ArcGIS Enterprise: Configuring a Base Deployment

Indoor GIS

Introduction to ArcGIS Indoors

Duration 4 Days

Overview

Learn how to create and maintain a complete system for indoor mapping and data management that lets your organization share smart building maps. Get hands-on practice with tools and workflows used to integrate CAD, BIM, and GIS data; create floor-aware data and layers to support indoor navigation; and streamline workspace planning and facilities management.

Who Should Attend

GIS professionals and others who need to map their indoor spaces and manage indoor data over time.

Learn How To

- Import georeferenced CAD and BIM floor plan data into an ArcGIS Indoors geodatabase.
- Build a routable indoor network that supports wayfinding using ArcGIS Indoors apps.
- Create floor-aware maps and 3D scenes.
- Deploy ArcGIS Indoors mobile and web apps to enable individuals to easily navigate a building and reserve meeting rooms and workspaces.

Prerequisite:

ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro

Custom Courses

Building 3D Cities using ArcGIS CityEngine

Duration 3 Days

Overview

This course provides foundational knowledge for users who are new to ArcGIS CityEngine and 3D content creation. It does so in scenario-based way that allows members of various industries, including design architecture, film and entertainment, planning and public safety to apply their knowledge to the real world.

Who Should Attend

Individuals with introductory-level knowledge of GIS concepts

Learn How To

- Learn the essential skills needed when working with CityEngine, such as creating a scene, selecting objects, and editing rules.
- Create Terrains from simple image files or from digital elevation models (DEMs)
- Introduces the basics of the CGA shape grammar of CityEngine.
- Create complex CGA facade rule templates using Facade Wizard
- Create web scene that will be shown in the Web Viewer

Prerequisite:

Introduction to GIS Using ArcGIS