

# Recommended Esri Training for Oregon Land Records Modernization

Training Guide

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## OVERVIEW

This training plan includes training resources that will provide basic skills needed to implement the Land Records technology introduced in 2019 into ArcGIS Pro and (if needed) the supported multi user editing environment hosted by ArcGIS Enterprise. It is organized by GIS Role, please recognize that one person may take on more than one Role. The Roles in this plan are:

Land Records Professional  
GIS System Administrator  
Assessment & Appraisal Staff

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# LAND RECORDS PROFESSIONAL

## ARCGIS PRO FUNDAMENTALS

This course is recommended for GIS Professionals with no (or minimal) previous experience with ArcMap.

### ARCGIS PRO: ESSENTIAL WORKFLOWS

**Instructor-led: 3-days**

In this course, you will explore ArcGIS Pro capabilities as you become comfortable working with this new desktop application. The course emphasizes common GIS workflows and best practices to map, manage, analyze, and share GIS data and resources. You will acquire the essential skills you need to be productive with ArcGIS Pro.

**This course is designed for:** Individuals with introductory-level knowledge of GIS concepts and limited ArcGIS experience

**Learn how to:**

- Combine data from different sources to create accurate, informative maps.
- Organize, create, and edit geographic data to keep it accurate and up to date.
- Symbolize map features to support 2D and 3D visualization.
- Design an attractive page layout for maps that will be printed.
- Analyze GIS data to solve spatial problems and create new information.
- Share maps, analysis results, and geoprocessing models so they are easily accessible to colleagues, decision makers, or the public.

### **E-Learning for ArcGIS Pro**

**ArcGIS Pro Basics** is a good introduction to the ArcGIS Pro interface and the functionality available.

These web courses cover specific tools and functionality:

**Displaying Data in ArcGIS Pro** Introduces ArcGIS Pro tools for symbology.

**Managing Map Layers in ArcGIS Pro** Introduces basic layer property settings.

**Querying Data Using ArcGIS Pro** Teaches the building blocks of query expression and how to select features that meet one or more attribute criteria.

## ARCGIS PRO FOR EXPERIENCED GIS PROFESSIONALS

If you are a long-time ArcMap user and need to learn how basic GIS activities are accomplished using ArcGIS Pro, this is the course for you.

### MIGRATING FROM ARCMAP TO ARCGIS PRO

**Instructor-led: 2 days**

This course introduces the essential ArcGIS Pro terminology you need to understand 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.

**This course is designed for:** Experienced ArcGIS Desktop Professionals

**Learn how to:**

- Create an ArcGIS Pro project and import map documents and 3D scenes.

- Create and modify map symbology and layouts.
- Import a geoprocessing model and identify potential migration issues.
- Share geospatial resources to an ArcGIS Online organizational site or on-premises ArcGIS portal.

### E-Learning for ArcGIS Pro

[Migrate to ArcGIS Pro from ArcMap](#) learning plan

## CREATE AND EDIT DATA

**This course is recommended for GIS Professionals with no (or minimal) experience with ArcMap or are new to ArcGIS Pro are wanting a deeper understanding of the editing environment in ArcGIS Pro.**

### CREATING AND EDITING DATA WITH ARCGIS PRO

**Instructor-led: 2 days**

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.

**This course is designed for:** GIS technicians, specialists, and other experienced ArcGIS Pro users who need to create and maintain their organization's geographic data

#### Learn how to:

- Apply a standard editing workflow to manage updates to your 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.

### E-Learning for Editing Data

[Editing Basics in ArcGIS Pro](#) - Data must be kept up to date. You can use ArcGIS Pro to edit your data based on changes in the real world. This course shows you practical editing tools and workflows to keep your data accurate and current. (Web Course)

## WORKING WITH PARCEL FABRIC

**This course is recommended for all Land Records Professionals and is considered foundational knowledge for working with the new Parcel Fabric data structures introduced by Esri in 2019.**

### WORKING WITH PARCEL DATA IN ARCGIS PRO

**Instructor-led, 3 days**

Modernize land records data management. 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.

#### Learn how to:

- Configure the parcel fabric environment.
- 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.

### e-Learning resources:

[Parcel Fabric: Migrating and Administrating Parcels with ArcGIS Pro](#) Video UC 2019 (71 minutes)

[Split Parcels in a Parcel Fabric](#) Tutorial (45 minutes)

## MANAGE VERSIONED EDITING ENVIRONMENTS

**This course is recommended for all Land Records Professionals who are working in a multi-user editing environment hosted in ArcGIS Enterprise.**

### CONFIGURING BRANCH VERSIONING IN ARCGIS

**Instructor-led: 1 day**

Support enterprise multiuser editing workflows.

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 Pro Parcel Fabric.

#### **Learn how to:**

- 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.
- Implement conflict detection, track feature edits, synchronize offline edits to branch-versioned data, and compare version changes over time.

# GIS SYSTEM ADMINISTRATOR

## CONFIGURE AND MANAGE ARCGIS ENTERPRISE

**This course is recommended for GIS System Administrators who are planning for initial deployment of ArcGIS Enterprise to support a multi-user editing environment for Land Records Professionals**

### ARCGIS ENTERPRISE: CONFIGURING A BASE DEPLOYMENT

**Instructor-led: 2 days**

Learn how to install and configure an ArcGIS Enterprise base deployment to enable individuals to securely access, create, and share geospatial resources to boost collaboration and gain location-based insights. You will learn how to license and install the four software components of a base deployment and ensure system security and performance.

**This course is designed for:** GIS Technical Leads, System Administrators and Web Administrators - anyone tasked with supporting the deployment of ArcGIS for Enterprise.

#### **Learn how to:**

- Install ArcGIS Server, Portal for ArcGIS, ArcGIS Data Store and ArcGIS Web Adapter.
- Configure an ArcGIS Enterprise portal to manage users, groups, and content sharing privileges.
- Apply HTTP certificates to support encrypted communication
- Configure a suitable authentication method for your organization's needs.

## ADMINISTRATIVE WORKFLOWS FOR ARCGIS ENTERPRISE

This course is recommended for GIS System Administrators who have already deployed ArcGIS Enterprise and would benefit from advanced administration training.

### ARCGIS ENTERPRISE: ADMINISTRATION WORKFLOWS

**Instructor-led: 3 days**

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.

Learn how to:

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

**E-Learning for configuring and managing ArcGIS Enterprise**

[ArcGIS Enterprise Installation Fundamentals](#), learning plan

[ArcGIS Enterprise: Administration Fundamentals](#), learning plan

## MANAGE VERSIONED EDITING ENVIRONMENTS

This course is recommended for all GIS System Administrators who are supporting Land Records Professionals using a multi-user editing environment hosted in ArcGIS Enterprise.

### CONFIGURING BRANCH VERSIONING IN ARCGIS

**Instructor-led: 1 day**

Support enterprise multiuser editing workflows.

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 Pro Parcel Fabric.

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## ASSESSMENT & APPRAISAL STAFF

## ARCGIS INSIGHTS

### GET STARTED WITH ARCGIS INSIGHTS

#### Instructor-led, 1 day

#### Discover drag-and-drop data discovery and analytics.

This course prepares you to work with ArcGIS Insights to dynamically visualize and analyze data from multiple sources on maps, charts, tables, and more. You will learn how to define a workflow to investigate a spatial problem, interactively apply analysis tools, and share your insights across the enterprise.

#### Learn how to:

- Connect to data sources and prepare data for analysis.
- Visualize, interact with, and analyze multiple datasets.
- Share analysis results and workflow models.

## TELL STORIES WITH MAPS

### CREATING STORY MAPS WITH ARCGIS

#### Instructor-led: 1 day

If your map could tell a story, what would it say? 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 is designed for:** This course—for anyone that wants to communicate with maps—teaches the concepts, best practices, and decisions that need to be made when creating and sharing a story map.

#### Learn how to:

- Choose an appropriate story map app for your purpose and audience.
- Identify the content needed for a story map.
- Add text, images, and other elements to create a story map.
- Apply best practices to share your story maps.

#### E-Learning resources for story maps

[ArcGIS StoryMaps Fundamentals](#), learning plan

# ESRI TRAINING RESOURCES

## Overview

Because ArcGIS users have diverse educational backgrounds and workplace responsibilities, the courses below provide distinct entry points into the ArcGIS platform while also supporting a progressive approach to learning key workflows. Each course teaches knowledge and skills that will enable the staff member to move forward with ArcGIS. Please note that these written guides can become out-of-date quickly. Always check <https://www.esri.com/training/> for the latest in training resources.

**Instructor-led** courses are typically 2-3 days in length, with a few exceptions. They may be conducted at an Esri training facility, through a live online classroom, or held privately at a customer site. Private classes may also be followed up by a day of coaching to address the organization's specific learning requirements.


\*\* See note regarding reschedules and cancellations at the bottom of this page.



To prepare for attending an Instructor-led online event, please go to [Online Classroom](#) and then click on the Attending Online tab.

## Free e-learning options

With your ArcGIS licenses current under maintenance, you have [unlimited access](#) to hundreds of self-paced e-learning resources. To access the e-learning, you must be given access; access can be given:

1. If the user has an ArcGIS Online named user login, the ArcGIS Online administrator can give Esri access in the Manage Member options.
2. From your organizations My Esri site, you can invite users to access e-learning with an email. Users must have an [Esri Account](#). Your training history is stored in your Esri Account.
3. Users can request access when they click on an e-learning resource that is locked:  
 . Once given access the padlock will be unlocked.

Options for self-paced e-Learning through web courses and training seminars are included in this document. All Esri customers with a qualifying product that is current on maintenance have unlimited access to these resources.

**Web courses** include:

- Hands-on practice with ArcGIS (local access to ArcGIS software is often required)
- Demonstrations and interactive activities
- Conceptual material
- Course exams to assess learning
- Certificate of Completion

**Training seminars** are pre-recorded presentations that include software demonstrations on various solutions. Seminars are offered live on a regular basis. You can go to [Update My Esri Subscriptions](#) to receive email notification on upcoming events.

**Massive Open Online Courses (MOOCs)** are free online classes that offer a convenient, effective, and fun way to keep up with the fast-paced developments in the ArcGIS platform. During the length of the course - typically 6 weeks - the course materials are available 24/7 and require only a couple of hours of study per week. A certificate is available upon completion.

**\*\* Esri cancellation policy for instructor-led courses:** Please provide written notification to Esri's Customer Service department at [service@esri.com](mailto:service@esri.com) of any student transfer, cancellation, or substitution requests 3 business days (holidays excluded) before the scheduled start date of the class. Please see [Esri Terms & Conditions](#) for more information.