

ArcGIS Pro Foundation

2101

Exam Details:

ArcGIS Pro Foundation 2101

- Exam Questions: 65
- Exam Type: Core
- Exam Format: Multiple Choice
- Exam Language: English
- Exam Cost: \$250 USD

Exam Purpose:

The ArcGIS Pro Foundational Exam tests the candidate's experience applying ArcGIS concepts and processes to workflows. Qualified candidates should demonstrate comprehension of basic GIS concepts within ArcGIS at an entry-level. Candidates should perform entry-level mapping and visualization tasks, editing, sharing, analysis, and data management tasks. Qualified candidates should have less than two years of applied experience and should be proficient in best practices and uses of ArcGIS Pro.

Target Candidate Audience:

The ArcGIS Pro Foundation exam is designed for candidates who are new to GIS. This can include non-GIS industry specialists, educators, college students, recent graduates, and those seeking entry-level positions.

Description of Qualified Candidate:

The ArcGIS Pro Foundational Exam is designed for candidates with up to two years of knowledge, understanding, and experience with ArcGIS Pro. Qualified candidates should demonstrate comprehension of basic ArcGIS concepts and experience with fundamental ArcGIS workflows. The candidate should be able to perform entry level mapping, visualization, editing, analysis, and data management tasks. In addition, the candidate should have experience sharing and accessing data with ArcGIS Online. Passing the exam provides an opportunity for candidates to validate their knowledge of ArcGIS best practices.



CANDIDATE QUALIFICATIONS

A qualified candidate should be able to perform the following tasks:

- Construct a map using available local or online data
- Select by attribute or location
- Create a new map and a new layout
- Organize workspace, interact with panes, ribbons and quick access toolbar
- Create and populate a new feature class
- Describe the ArcGIS Pro project structure
- Create a new file geodatabase and perform basic data management
- View and edit data properties such as the source or the spatial reference system
- Find and add data from ArcGIS Online
- Perform basic data editing, including manipulation of geometry and attributes
- Work with tabular data
- Define and translate between spatial reference systems
- Distinguish between geographic and projected coordinate systems
- Define the purpose of geocoding
- Set basic layer properties: symbology, visibility ranges, transparency, labeling, and definition query
- Find an address or x, y coordinate pair on a map
- Create item descriptions and item details
- Describe the difference between small and large scale
- Share packages, layers, and maps
- Perform analysis in ArcGIS Pro and access the toolbox
- Perform field calculations

A qualified candidate should NOT be familiar with the following:

- Content within the ArcGIS Desktop Associate exam. Such as:
- Create and edit annotation features
- Use tools within an ArcGIS Pro extension
- Use models and ModelBuilder
- Create ArcGIS Pro Tasks
- Evaluate reasons for data not aligning as a result of datum differences
- Create and edit 3D features
- Familiarity with metadata styles other than the default item description style
- Publish a tile service
- Image processing and raster analysis
- Customize ArcGIS Apps with coding
- Automate ArcGIS workflows using ModelBuilder, ArcGIS Pro Tasks or code
- Use or create time enabled data
- Build address locators

A qualified candidate should be familiar with the following tools:

- ArcGIS Pro
- ArcGIS Online

SKILLS MEASURED

Candidates should fully prepare for testing using the exam content sections below as a checklist to identify possible gaps between their knowledge and the skills measured by the exam. The relative weight illustrates the approximate size of each section. It is recommended that focused preparation should be in areas where any knowledge gaps are found.

ArcGIS Fundamentals 20%

- Identify the use and purpose of the ArcGIS components
- Recall procedural concepts necessary to work with ArcGIS Pro and ArcGIS Online
- Apply concepts required to select appropriate ArcGIS applications for a given workflow or use-case

Data Management 34%

- Identify how to access data properties
- Describe the purpose of item details, item descriptions, and metadata
- Identify the correct procedures necessary to create a file geodatabase and a feature class
- Identify supported ArcGIS data formats
- Recognize the different data management techniques in ArcGIS Pro and ArcGIS Online
- Determine the appropriate method for managing tabular data
- Identify basic editing workflows that are necessary to create or modify features
- Recognize the purpose and characteristics of geographic and projected coordinate systems

Mapping and Visualization 23%

- Recall how to apply and modify symbology
- Determine the appropriate method to modify layer properties
- Identify the steps necessary to label features
- Identify the use and effects of scale on a map
- Identify the steps necessary for adding data
- Demonstrate an understanding of how to configure map properties

Sharing Data 9%

- Recall how to discover content from ArcGIS Online
- Determine the appropriate method to share content from ArcGIS Pro and ArcGIS Online

Performing Analysis 14%

- Determine the appropriate workflow using proximity and overlay tools
- Determine the correct workflow to select features interactively, using attributes or by location
- Recall methods to find geographic locations

RESOURCES

These training resources along with the list of exam objectives may be used to identify appropriate training options for any possible knowledge gaps but are not required.

The Esri curated exam Learning Plan is updated continually based on Esri Academy courses and the content retirement schedule.

Please note that completing the recommended training courses does not guarantee a passing score on a specific certification exam.

ESRI ACADEMY

- [Exam Description Page](#)
- [Exam Preparation Video](#)
- [ArcGIS Pro Foundation 2101 Certification Learning Plan](#)

ESRI COMMUNITY

- [Esri Technical Certification](#)
- [Welcome to our Esri Community place](#)
- [Esri Exam Preparation Resources](#)
- [Primary Exam Article](#)
- [Exam Version Article](#)

LINK TO ARCGIS DOCUMENTATION

- [ArcGIS Documentation](#)