

ArcGIS Pro Associate

2101

Exam Details:

ArcGIS Pro Associate 2101

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

Exam Purpose:

The ArcGIS Pro Associate Exam tests candidates' experience applying ArcGIS concepts and processes to workflows. Qualified candidates should have 2 or more years of applied experience using ArcGIS. Candidates should be skilled at using ArcGIS to manage, analyze, and manipulate geospatial data.

Target Candidate Audience:

The ArcGIS Pro Associate exam is intended for candidates with intermediate level of ArcGIS experience and who use it to perform complex workflows and analysis regularly.

Description of Qualified Candidate:

The ArcGIS Pro Associate exam measures a candidate's mastery of ArcGIS concepts. It is recommended that the candidate have 2 or more years of applied experience using ArcGIS. Qualified candidates should demonstrate proficiency of ArcGIS concepts and recommended practices. The candidate should be able to implement principles of data management, performing analysis, editing 2D and 3D features, mapping and visualization, and sharing content across ArcGIS. Passing the exam provides an opportunity for candidates to validate their technical expertise in implementing ArcGIS Pro workflows.



CANDIDATE QUALIFICATIONS

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

- Apply advanced map visualization methods and techniques
- Construct a map using available datasets and services
- Create new spatial datasets from analysis of existing datasets
- Apply raster functions
- Select appropriate geoprocessing environment settings for a given scenario
- Work with layer properties and tables
- Apply 2D and 3D editing workflows
- Compare and contrast the basic types of geographic data
- Select the datasets necessary to perform a specific analysis
- Share data across ArcGIS
- Convert data from different formats
- Evaluate the suitability of a dataset for a given scenario
- Manipulate data between different projections
- Apply established workflows to correct issues with projections and transformations
- Manipulate time-enabled data
- Author expressions from a list of available functions
- Create a model for a repeatable process
- Use an existing model, script, and ArcGIS notebook
- Use ArcGIS Pro Tasks

A qualified candidate should NOT be familiar with the following:

- Administer a database
- Administer ArcGIS Enterprise
- Author Tasks
- Troubleshooting computer/network systems upon which ArcGIS Pro is implemented
- Python programming

A qualified candidate should be familiar with the following tools:

- ArcGIS Pro
- ArcGIS Online
- ArcGIS Enterprise

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.

Data Management

34%

- Compare and contrast various types of vector and raster datasets supported in ArcGIS
- Choose and apply an appropriate coordinate system to preserve the desired spatial properties
- Given a scenario, determine how to manage data in a geodatabase, feature class, or table
- Apply spatial and attribute data validation
- Given a scenario, determine the appropriate existing geodatabase elements to use
- Manage raster data, tabular data, and vector data
- Manage metadata and item details

Data Manipulation

18%

- Use ArcGIS Pro editing functionality to create, modify, and delete 2D and 3D data
- Resolve the root cause of a data alignment problem
- Given a scenario, apply a query
- Troubleshoot data anomalies with tabular and vector data

Visualization

14%

- Identify how to control the coordinate system and geographic transformation in ArcGIS Pro
- Manage layer properties
- Determine how to visualize temporal, ranged, or 3D data

Sharing

11%

- Identify how to export data, maps, and scenes to different formats
- Choose how to share content across ArcGIS
- Determine how to create and manage map layouts and map series

Analysis & Geoprocessing

23%

- Compare the functionality of table joins and relates, relationship classes, and spatial joins
- Given a scenario, determine the appropriate geoprocessing tool to use
- Given a scenario, use tasks, batch processing, models, or scripts to execute a complex workflow
- Identify analysis tools available from the connected portal
- Apply raster functions for raster and image processing

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 Associate 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](#)