

Alteryx Designer Advanced Certification

EXAM PREP GUIDE

Earning an Alteryx Credential represents an important step in advancing your analytical capabilities. In a world shaped by complex challenges and imperfect data, Alteryx Designer enables users to explore, prepare, and analyze data effectively. Whether you are new to the platform or an experienced user, the Alteryx Credential Program supports continued learning and provides a way to demonstrate your expertise.

About this Certification

The Alteryx Designer Advanced Certification exam allows you to demonstrate your high-level abilities with Alteryx Designer. The exam builds on concepts included in the Designer Core exam and requires you to understand a wider breadth of tool functionality and apply your knowledge, skills, and abilities to more complex applications.

Exam Details

- **Exam type:** Online and available at [Alteryx Academy - Certification](#)
- **Content:** 51 multiple-choice and multiple-select questions (one point for each item; partial credit awarded on multiple-select items; four points for each practical application item)
- **Time limit:** 2.5 hours
- **Passing score:** 73%
- **Attempts:** One attempt every 24 hours
- **Prerequisite:** None – passing Designer Core first is no longer required
- **Recertification:** This certification expires after 2 years. Passing the Advanced exam no longer renews the Core certification.
- **Policy violations:** Review the [Alteryx Certification Agreement](#) for details.
- **Credential upon passing:** Credly digital badge
- **Registration requirements:** Register under your full first and last name and the email associated with any existing Credly digital badges

Allowed Resources

The exam is open book and we encourage you to be familiar with resources that are permitted for use during the exam: content on Alteryx Academy and Community, Alteryx Help Documentation, and information on public websites, as well as sample workflows and in-Designer resources.

Exam Content Outline

Domain 1: Advanced Data Preparation and Transformation - 27%

- Correctly configure the Multi-Row Formula tool and identify output from expressions
- Configure the Multi-Row Formula tool for values for rows that do not exist
- Configure the Multi-Field Formula tool for overwriting fields and changing data types
- Configure the Formula tool to use the following functions: DateTime(), ToNumber(), Round(), REGEX_Match(), REGEX_Replace(), GetWord(), FindString(), Trim()
- Configure the Filter tool using compound AND/OR expressions
- DateTime functions across multiple tools
- Use the Generate Rows tool
- Parse and join data - configure the Find Replace tool to replace multiple items; configure the Join Multiple tool and RegEx tool; differentiate between the parse and match methods; identify the regular expression that results in a given output
- Investigate data - identify, configure, and interpret the output of the following tools: Association Analysis, Field Summary, Frequency Table, Pearson Correlation, Spearman Correlation; differentiate between Pearson and Spearman Correlation tools)

Domain 2: Reporting Tools - 10%

- Configure tables and charts
- Configure the Layout, Render, and Email tools

Domain 3: Spatial Analytics Basics - 10%

- Create spatial objects using the Create Points tool and identify the spatial functionality within the Formula and Summarize tools
- Combine spatial objects - identify spatial objects created from intersections, splits, and buffers of two existing spatial objects, interpret the results of the interaction between target and universe objects from the Spatial Match tool, configure the Trade Area tool
- Calculate distances (- configure the Distance tool, configure the Find Nearest tool, explain the functionality of the Target and Universe input anchors

Domain 4: Data Sources - 15%

- Recognize advanced methods to connect and configure to external data sources - tools within the Connectors ribbon, Download tool, In-Database tool, Data Connection Manager (DCM)
- Recognize advanced methods to input files - Directory tool; Input/Output Data tools; Dynamic Input tool; Dynamic Rename tool; Blob Convert, Blob Input, and Blob Output tools

Domain 5: Macros - 18%

- Determine the appropriate use case and functionality of batch, iterative, and standard macros
- Configure macros - Macro Input/Output tools, recognize Show Field Map functionality, use the Interface Designer window, identify debug functionality for a macro interface, set the macro repository or location in User Settings

Domain 6: Analytical Applications and Productionizing - 20%

- Configure the Action tool
- Determine the boundaries of the Condition tool
- Identify functionality of the Error Message tool and the resulting records with an error
- Identify different capabilities and functionality of the following User Interface tools: Check Box, Drop Down, File/Folder Browse, List Box, Numeric Up Down, Radio Button, Text Box, DCM Connection
- Design analytical applications - configure Interface tools, use Interface Designer, illustrate reasons for using an application
- Recognize the functionality of the following features: Block Until Done tool, Email Event, Run Command tool, Dynamic Select tool

Suggested Learning Resources

Alteryx Academy

Visit the [Alteryx Academy](#) to access a variety of free digital learning as well as instructor-led training (premium learning content requires purchase).

Self-Paced Learning – Learning Pathways

- [Preparing and Blending Data](#) - Clean, combine, and prepare data from multiple sources for faster, reliable analysis.
- [Parsing Data](#) - Parse data into useful values using patterns in an input's text or structure.
- [Advanced Data Preparation](#) - Enrich and standardize data with advanced tools for accuracy and deeper analytics.
- [Getting Started with Macros](#) - Save yourself time and expand what you can accomplish by creating your own tools and sharing them with others!
- [From Data Prep to Insightful Reports](#) - Transform data into clear visual stories that communicate insights effectively.

Instructor-Led Training – Courses

- [Alteryx Designer Core Certification Exam Preparation](#) - Prepare for success! Explore tools, question types, and resources to ace the Alteryx Designer Core Certification exam.
- [Alteryx Designer Advanced Certification Exam Preparation](#) - Learn what to expect on the Alteryx Designer Advanced Certification exam and which resources are available to help you prepare. You will get an overview of the Designer tools covered; the types of questions that appear in the Advanced exam; tips and tricks; and also work through some sample questions.

Alteryx Community

Weekly Challenges

- [Weekly Challenges](#) - Solve the challenge and share your solution

Alteryx Product Resources

- Alteryx One Platform – [Documentation](#)
- Alteryx Designer - [Documentation](#)
- Alteryx Designer Cloud - [Documentation](#)