



Specialized AI Associate

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IMPORTANT ALERT

We are continuously monitoring Internet activities for any signs of cheating or misguided information. We are aware that there are a large number of websites who are **selling fake exams** and charging substantial prices for them. We will take immediate action if we find that the real exams have been compromised. **Please do not spend money or rely on such cheat sites.**

Introduction

UiPath Certified Professional Specialized AI Associate certification is designed for those with an essential understanding of AI and process automation development.

This certification represents the ability to describe the technological landscape of AI and process automation and articulate how businesses can benefit from these technologies.

The specialized AI Associate certification is designed for individuals in technical roles who have some experience with Document UnderstandingTM and Communications MiningTM and is a first step towards building advanced competencies in process automation and intelligent document processing (IDP).

Target Audience

The target audience for the Specialized AI Associate Exam includes:

- Junior automation developers and students who have basic hands-on experience with Document Understanding and Communications Mining
- Technical roles requiring automation developer expertise with a focus on Document Understanding and Communications Mining, including process automation developer, process automation solution architects, and more.

Minimally Qualified Candidate

The Minimally Qualified Candidate (MQC) is an individual with the following:

- Completed the Automation Developer Associate Training and the Specialized AI Associate Training from UiPath Academy
- Understand Artificial Intelligence and Machine Learning general concepts
- Automation Development experience using UiPath solutions
- Document Understanding experience in at least one project using UiPath solutions
- Communications Mining experience in at least one project using UiPath solutions
- Technically proficient and possesses the knowledge/skills to work independently

Products

Successful candidates are expected to know how to deploy, upgrade, and maintain the following products:

- UiPath Document Understanding 2024.10
- UiPath Communications Mining 2024.10
- UiPath Studio 2024.10
- UiPath AI Center 2024.10
- UiPath Action Center 2024.10
- UiPath Assistant 2024.10
- UiPath Robots version 2024.10
- UiPath Orchestrator version 2024.10

Exam Domains/Exam Sections

The Specialized AI Associate Exam contains the following exam sections:

- Business Knowledge
- Platform Knowledge
- Studio Interface
- Variables and Arguments
- Control Flow
- Debugging
- Exception Handling
- Logging
- Email Automation
- Working with Files and Folders
- Data Manipulation
- Version Control Integration
- Workflow Analyzer
- Implementation Methodology
- Orchestrator
- Integration Service
- UiPath Document Understanding
- UiPath Document Understanding Framework
- UiPath Studio - Document Understanding Activities
- UiPath AI Center
- UiPath Document Understanding - Model building
- UiPath Communications Mining
- UiPath Communications Mining - Model Training
- UiPath Communications Mining – Analytics
- UiPath Communications Mining – Discover
- UiPath Communications Mining – Explore
- Autopilot

Exam Topics

Tasks performed by the Minimally Qualified Candidate:

Business Knowledge

- Describe what business process automation is and what value it brings
- Identify and describe key concepts related to business processes.

Platform Knowledge

- List and describe high level the use of UiPath products (Including Studio Types, Robot Types, Orchestrator, Integration Service).
- Explain the difference between Attended and Unattended processes.

Studio Interface

- Install Studio and connect to Orchestrator.
- Use the options available in the Studio Backstage view.
- Describe the elements on the Studio Interface.
- Use the Manage Packages feature to find, install, update and remove packages.
- Use Activity Project Settings
- Publish a process to Orchestrator.

Variables and Arguments

- Explain what data types are and how they are used.
- Create, manage and use variables.
- Create, manage and use In, Out and In/Out arguments.
- Explain the difference between variables, arguments

Control Flow

- Use Sequence and Flowchart layouts in projects.
- Use the IF, Flow Decision, Else If activities in projects and the Vb.Net If Operator.
- Use the For Each, While, Do While and Switch activities.

Debugging

- Use debug modes, debug actions and the debug ribbon options to debug a file or the entire project.
- Use simple and conditional breakpoints and simple and conditional tracepoints.
- Describe and use all debugging panels.

Exception Handling

- Use Try Catch, Throw, Rethrow and Retry Scope.

Logging

- Describe and interpret robot execution logs.
- Apply logging best practices during development.

Email Automation

- Get, Send and Manage Microsoft and Gmail Integration Emails.
- Use Microsoft 365 and Gsuite packages.

Working with Files and Folders

- Create, manage and iterate through local files and folders.

Data Manipulation

- Use VB.Net methods to perform string manipulation: Trim, ToLower, ToUpper, StringConcat, Contains, String.Format, IndexOf, LastIndexOf, String.Join, Replace, Split, Substring.
- Use the RegEx Builder for string manipulation.
- Initialize an Array variable, iterate through an array, reference elements, replace them and convert arrays of type string to string.
- Initialize a List type, iterate through it and use Studio activities to add, remove and modify the elements of the collection.
- Explain what the difference is between the Array type and the List type.
- Initialize a dictionary, add key-value pairs, remove keys and retrieve values.
- Use UiPath activities to build, filter, join, merge and iterate through DataTables.
- Perform conversions between the data types.

Version Control Integration

- Use the Studio Git integration to add a project, clone a repository, commit, push, and use show changes

Workflow Analyzer

- Use Workflow Analysis and Validation at file and project level.

Implementation Methodology

- Describe the project implementation stages.
- Interpret PDDs and SDDs.

Orchestrator

- Describe Orchestrator Entities, Tenant Entities and Folder Entities
- Use Tenant Entities and Folder Entities
- Provision Robots.
- Use Personal Workspaces.
- Define Roles and Permissions.
- Use Orchestrator Logging features.

Integration Service

- Explain what Integration Service is.
- Use Integration Service Connectors and Triggers in an automation project.

UiPath Document Understanding

- Define what UiPath Document Understanding is.
- Distinguish between structured, unstructured, and semi-structured documents that can be processed with Document Understanding.
- Differentiate between the two common types of data extraction methodologies: rule-based and model-based.
- Specialized Models vs GenAI Models
- Differentiate between OCR and Document Understanding.

UiPath Document Understanding Framework

- Describe the stages of the Document Understanding Framework.
- Use the Document Understanding Framework to build document processing workflows in UiPath Studio.
- Describe what the Document Understanding Process template is.
- Build POCs and automation components for Document Understanding template

UiPath Studio - Document Understanding Activities

- Select and install the Studio Intelligent OCR package activities used for information extraction.
- Use the Taxonomy Manager to create a taxonomy for the project.
- Load the taxonomy in a variable to be used in conjunction with other activities.
- Digitize scanned or digital documents using the Digitize Document activity.
- Classify the scope of documents using Classify Document Scope activity and the Classifiers Wizard.
- Extract data from the documents using relevant Studio Activities, extractors, and Configure Extractors Wizard.
- Select and configure pre-trained or newly trained Machine Learning extractor for data extraction.
- Use the Validation Station to review and correct document classification and automatic data extraction results.
- Export Extraction Results using relevant Studio Activities.

UiPath AI Center

- Define what UiPath AI Center is.
- Describe conceptually how machine learning works.
- List the applications of machine learning across different industries.

UiPath Document Understanding - Model building

- Define what the classic DU experience is.
- Define what the modern DU experience is.
- DocPath
- Migrate labeled data (data sets) from Classic to Modern DU projects.
- Automation Cloud - Data residency
- Document Understanding consumption dashboards in Insights

UiPath Communications Mining

- Distinguish between Communications Mining, Process Mining and Task Mining.
- Describe how UiPath Communications Mining works.
- Distinguish between the two most common scopes of using UiPath Communications Mining.
- Distinguish between optimal and sub-optimal data types that Communications Mining can interpret and add structure to.
- Explain how UiPath Communications Mining and RPA can work together.
- Describe the Communications Mining user interface elements.

UiPath Communications Mining - Model Training

- Model validation, when to stop training your model
- Describe the 'Taxonomy Design' phase of the model training process.
- Explain messages, labels, general fields, metadata, and how to use them.
- Explain extraction fields.
- List and correctly order the stages of the Communications Mining Process.
- Using the train tab

UiPath Communications Mining – Analytics

- Discovering automation opportunities - basic knowledge of the reports and charts
- Use the 'Reports' pages to create customized and dynamic dashboards.
- Use the 'Label Summary' tab to analyze charts and high-level summary statistics.

UiPath Communications Mining – Discover

- Define what the Discover phase of the Communications Mining process, how it works, and why it's important.
- Describe what clustering labels are and why they are important.
- Describe the two main steps of the Discover phase

UiPath Communications Mining – Explore

- Define what Explore phase of the Communications Mining process, how it works, and why it is important.

Autopilot

- Autopilot for developers - generate WFs, generate coded WFs, expressions, fixing errors
- Autopilot for comms mining - conversational filters

Environments, Applications, and/or Tools

The Minimally Qualified Candidate (MQC) should be comfortable working with the following environments, applications, and/or tools:

- A general familiarity with SDLC
- Microsoft Excel
- Microsoft Outlook
- Working experience with a Code Editor such as PyCharm/Visual Studio Code/Notepad or any other

- Browsers (Edge, Chrome, etc.)
- Web page elements (e.g., HTML)
- Version Control
- UiPath Studio and UiPath Studio – Robotic Enterprise Framework
- UiPath Studio – Document Understanding Template
- UiPath Communication Mining
- AI Center
- Action Center
- UiPath Orchestrator
- UiPath Robots

Recommended Training and Hands-on Experience

The following represents the recommended learning path the Minimally Qualified Candidate (MQC) can take to prepare for the UiPath Certified Professional Specialized AI Associate Exam:

Training Options:

-  [Specialized AI Associate Training](#)

- AND -

- <https://docs.uipath.com/>

- OR -

- Other training or self-learning sources that cover the subjects listed in this document to prepare for the exam.

Hands-on Experience:

1. Involved in end-to-end process development
2. Providing project support; i.e., Hypercare
3. Providing maintenance and support
4. Creating and reviewing project specifications
5. Debugging and fixing production bugs
6. Adding features to existing Document Understanding or Communications Mining processes

Recommended Exam Preparation

In addition to the recommended learning path, the practice test is an additional study tool to prepare for the UiPath Specialized AI Associate Exam.

- [UiPath Specialized AI Associate Practice Test](#)

Exam Details

Certification Track	UiPath Certified Professional - Developer / Specialized AI Track
Credential	UiPath Certified Professional Specialized AI Associate
Valid Period	3 years
Exam Number and Exam Title	UiPath-SAIAv1 - UiPath Specialized AI Associate Exam
Pre-requisite Exam(s) and/or Certification(s)	None
Exam Duration	90 minutes
Passing Score	70%
Exam Fee	\$150

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