

**UiPath Foundation**

**Course Number:** RPA-114  
**Duration:** 5 days

**Overview**

This UiPath Foundation training course teaches attendees how to use Studio to develop basic automated tasks while learning the basic features of UiPath.

**Note:** We recommend a maximum of 10 students, but can accommodate up to 12 students per class.

**Prerequisites**

No prior knowledge is presumed.

**Materials**

All RPA training students receive comprehensive courseware.

**Software Needed on Each Student PC**

For virtual classroom sessions:

* Prior to the course, Accelebrate will provide a virtual learning platform (Zoom).
* An email with detailed instructions will be sent in advance.
* Access to an internet connection is essential.
* A headset with a microphone is recommended for the session.

**Objectives**

* Learn the basics of datatypes and variables, and the ways in which they can be manipulated, including Excel and datatable scenarios
* Gain a basic knowledge of how to interact with systems and create and use selectors to direct UiPath automation
* Understand the use of exceptions and why they are used
* Learn error handling techniques
* Perform debugging to problem solve automation
* Discover the different running modes in UiPath Studio for controlling the development process
* Learn common document types and how to extract and create data in these formats
* Understand the different ways in which UiPath can automate a range of input and output scenarios
* Learn how development is used in the enterprise, including an introduction to the ReFramework for transactional processing
* Discover how Orchestrator is used to control and deploy automations

**Outline**

* Introduction to the RPA Developer Role
  + What is RPA?
  + Where is RPA used?
* Variables, Data Types and Control Flow
  + What are datatypes and variables
  + Introduction to main variable types and uses
  + Studio Layout and features
  + Introduction to UiPath activities
  + Automation flow and control
* Data Manipulation
  + How to manipulate variables
  + Use of basic functions
* Excel and Data Tables
  + Introduction to datatables
  + Methods for use with datatables
  + Working with Excel
* UI Interactions
  + Automating the system interface
  + Inputting information
  + Reading and outputting information
* Selectors
  + What are selectors and how does UiPath use them
  + Using UiExplorer
  + Manipulating Selectors
* Project Organization
  + Project organization
  + Breaking down complex processes
  + Reusing components
* Error and Exception Handling
  + What are exceptions and why are they important
  + Anticipating exceptions
  + Managing and Handling exceptions in your workflow
* Debugging
  + Identifying bugs
  + Resolving bugs
* PDF Automation
  + PDF variations
  + How to extract data from PDF’s
* E-mail Automation
  + Email triggers
  + Sending emails
* Orchestrator for Developers
  + What is Orchestrator
  + Connecting a robot
  + Running Jobs
  + Queues & Assets
* Robotic Enterprise Framework Overview
  + Introduction to the ReFramework
  + Transactional Processing
  + Dispatchers & Performers
* Foundation Diploma
* Conclusion