



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Automating Tasks Using IBM Robotic Process Automation with Automation Anywhere

CODE:	LENGTH:	PRICE:
WB502G	40 Hours (5 days)	\$3,500.00

## Description

This course is also available as self-paced virtual (e-learning) course *Automating Tasks Using IBM Robotic Process Automation with Automation Anywhere* (ZB502G). This option does not require any travel.

This course is intended to teach the skills that are needed to work with the IBM Robotic Process Automation (RPA) with Automation Anywhere Enterprise Client and Control Room to develop and manage bots. The course covers the development of both Meta bots and Task bots but focuses mostly on Task bot development.

The course uses an interactive learning environment, with hands-on exercises to reinforce concepts and check understanding. Lab exercises throughout the course provide hands-on experience with developing robotic tasks.

The course introduces robotic process automation, typical use cases, challenges, good practices and high-level architecture of the IBM Robotic Process Automation with Automation Anywhere product. The emphasis of the course is in hands-on coding in the development environment (i.e. Workbench).

Development is performed using the most common bot commands. Bots are built to accomplish everyday business challenges including extracting data from various sources, writing data to various sources, conditional processing, and looping. The course also covers the use of various Recorders to record user interactions.

At the completion of the course, the student is encouraged to take a Badge test to earn the *Automating Tasks Using IBM Robotic Process Automation with Automation Anywhere V11* badge.

For information about other related courses, see the IBM Training website: [ibm.com/training](https://ibm.com/training)

## Objectives

After completing this course, you should be able to:

- Describe the IBM Robotic Process Automation with Automation Anywhere Control Room and Enterprise Client
- Understand challenges and risks when implementing robotic process automation
- Describe common use cases for robotic process automation
- Explain robotic process automation and when to use it
- Describe the main components of the product
- Perform basic Bot management and administration
- Understand the difference between attended and unattended bot runners and when to use each.
- Understand the benefits of using Bot Insights
- Understand the high-level architecture and topology
- Understand workload management and when to use queues, work items, and device pools

You will also learn how to develop bots to accomplish common business scenarios including:

- Capturing user interactions using appropriate Recorders
- Running bots from the Workbench and the Control Room
- Using and assigning user and system-defined variables
- Creating a Meta bot to handle an application login
- Integrating with common desktop applications
- Writing data from a text file to an Excel spreadsheet
- Copying spreadsheet data to a Windows application
- Reading and writing from a DB2 database
- Hardening bots against common exceptions
- Debugging bots using the debugging feature
- Applying good practices for coding bots
- Handling corrupt data or an incorrect file
- Extracting data from web pages
- Performing basic string operations
- Sending and receiving emails

- Downloading email attachments
- Extracting data from Adobe PDFs
- Implementing conditional logic
- Adding interactive components
- Calling REST web services
- Basic arithmetic operations
- Defining bot triggers
- Iterative looping
- Error handling

## Audience

This course is intended for developers who use IBM Robotic Process Automation with Automation Anywhere.

## Prerequisites

- Practical knowledge of data structures
- Understanding of SQL syntax
- Basic understanding of web services
- Experience with modern programming techniques

## Programme

Introducing robotic process automation and bots  
 Introducing IBM Robotic Process Automation with Automation Anywhere  
 Exercise: Exploring the Control Room  
 Introducing the Enterprise Client  
 Exercise: Creating a basic bot  
 Working with variables, loops, and strings  
 Exercise: Writing data from a text file to an Excel spreadsheet  
 Working with the Smart Recorder and the Object Cloning command  
 Exercise: Automating data entry to a business application and a database  
 Working with emails, conditional logic, and triggers  
 Exercise: Creating a bot to sum check declines, query a database, and send an email  
 Working with email and PDFs  
 Exercise: Creating a bot to evaluate data from a PDF and send an email  
 Creating interactive bots  
 Exercise: Creating an interactive bot to check values in disparate systems  
 Introducing MetaBots  
 Exercise: Creating a login MetaBot  
 Working with web services  
 Exceptions and error handling  
 Exercise: Working with web services and error handling  
 Hardening bots against exceptions  
 Exercise: Hardening the Account Opening bot  
 Bot management and reporting  
 Exercise: Managing bots  
 Administering bots through the Control Room  
 Exercise: Administering bots in the Control Room  
 Course summary

## Further Information

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process:

<http://w3.ibm.com/services/gbs/evita/BCSVTEenrl.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price
- The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

## **Session Dates**

On request. Please [Contact Us](#)

## **Additional Information**

This training is also available as onsite training. Please contact us to find out more.