



## **INTENDED AUDIENCE**

- Quality assurance engineers
- Quality testers
- Project managers
- Other Quality Center users

## **DURATION: 2 DAYS**

## **OVERVIEW**

The process-based functionality of Quality Center 9.2 is extended in this hands-on course. Students will learn how to manage quality information throughout the development cycle, construct and organize requirements, create and execute test sets, monitor defects, and use graphs and reports to track the success of a project.

## **COURSE OBJECTIVES**

At the end of the course, you will be able to:

- Create releases and cycles.
- Define requirements.
- Analyze risks associated with requirements.
- Organize subjects and tests in a test plan tree.
- Design and create test plans.
- Generate test scripts from design steps.
- Create test sets.
- Execute manual and automated tests.
- Record and track test execution results.
- Log and manage defects.
- Generate reports and graphs.

## **PREREQUISITES**

Working knowledge of:

- Windows
- Testing concepts

## DAY 1

### Introduction

#### Working with Releases

- Understanding the relationship between releases and cycles
- Creating a release tree
- Tying requirements to releases and cycles
- Viewing requirement coverage by cycle
- Tying tests to releases and cycles

#### Exporting from Excel to Quality Center

- Installing the Excel add-in
- Formatting requirements data in Microsoft Excel
- Exporting requirements to Quality Center
- Modifying a requirements tree

#### Defining Requirements

- Understanding requirement types
- Creating and defining requirements
- Building a requirements tree
- Tying requirements to releases and cycles

#### Analyze Requirement Risks

- Adding traceability links between requirements
- Establishing the business criticality and failure probability of a requirement
- Performing risk analysis for a group of requirements

## DAY 2

### Test Planning

- Building a test plan tree
- Creating tests
- Linking tests and requirements
- Designing test steps
- Using parameters in tests
- Configuring a test to call other tests
- Generating test scripts
- Monitoring the status of test plans

### Test Execution

- Building a test sets tree
- Creating test sets
- Organizing tests in a test set
- Defining and scheduling test execution flows
- Configure automated test rerun and cleanup rules
- Executing manual and automated tests
- Recording and reviewing test execution results
- Monitoring the status of test sets

### Defect Tracking

- Logging defects
- Searching and reviewing defects
- Associating defects to other entities
- Updating a defect
- Tracking the status of defects

### Reporting and Analysis

- Generate analysis reports and graphs
- Generate Microsoft Excel reports

### Course Summary

#### Exporting from Word to Quality Center (Optional)

- Installing the Word add-in
- Formatting requirements data in Microsoft Word
- Exporting requirements to Quality Center
- Modifying a requirements tree