

Certified Software Testing Analyst (CSTA)™

Course Outline



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What Modules are covered?

Module 1 – Testing Fundamentals and Process

- 1) Quick Overview on Testing
- 2) Testing Lifecycle Process
- 3) Testing in the SDLC
- 4) Test Monitoring, Planning and Control
- 5) Test Analysis
- 6) Test Design
- 7) Test Implementation
- 8) Test Execution
- 9) Evaluating Exit Criteria and Reporting
- 10) Test Closure Activities

Module 2 – Test Management for the Test Analyst

- 1) Test Progress Monitoring and Control
- 2) Distributed, Outsourced and Insourced Testing
- 3) Test Analyst's Tasks in Risk-Based Testing

Module 3 – Testing Software Quality Characteristics (Part 1)

- 1) Test Techniques
- 2) Specification-Based Techniques
- 3) Defect-Based Techniques
- 4) Experience-Based Techniques
- 5) Cause-effects graphs
- 6) Equivalence partitioning
- 7) Boundary Value
- 8) Decision Table
- 9) State Transition
- 10) Pair wise Testing
- 11) Case based Testing
- 12) Mind Mapping
- 13) Test Matrix
- 14) Error Guessing Technique

- 15) Checklist-based Technique
- 16) Exploratory Testing
- 17) Attacks

Module 4 – Testing Software Quality Characteristics (Part 2)

- 1) Quality Characteristics for Business Domain Service
- 2) Testing Characteristics
- 3) Typical Defects
- 4) Testing in the Life Cycle
- 5) Approaches, Usability Requirements and User's Expectations

Module 5 – Review Preparation

- 1) Using Checklists in Reviews
- 2) Analyze a use case or user interface and identify problems
- 3) Analyze a requirements specification
- 4) Types of review
- 5) Roles and Responsibilities in Reviews
- 6) Informal Review
- 7) Management Review
- 8) Analyze Requirements Specification or User Story

Module 6 – Defect Management

- 1) Detecting Defects
- 2) Defect Report Fields
- 3) Non-functional Defects
- 4) Defect Classification
- 5) Identifying, Gathering and Recording Classification
- 6) Root Cause Analysis

Module 7 – Test Tools and Automation

- 1) Test Tools
- 2) Test Analyst's role in Keyword Driven Automation
- 3) Troubleshooting
- 4) Testing Tools Approaches

Module 8 – Software Inspection Process

- 1) Software Inspection
- 2) Testing Methods and Strategies

Module 9 – Usability Testing

- 1) Attributes
- 2) Usability Testing Process
- 3) Client/Server Testing

Module 10 – Additional Test Design Technique

- 1) Static Analysis
- 2) Dynamic Analysis

What Modules are covered in this E-Course

- Module 1 - Testing Fundamentals and Process
- Module 2 - Test Management for the Test Analyst
- Module 3 - Testing Software Quality Characteristics (Part 1)
- Module 4 - Testing Software Quality Characteristics (Part 2)
- Module 5 - Review Preparation
- Module 6 - Defect Management
- Module 7 - Test Tools and Automation
- Module 8 - Software Inspection Process
- Module 9 - Usability Testing
- Module 10 - Additional Test Design Techniques

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