Business Beam

Inspiring growth and improvement

CSQE® Boot Camp

Certified Software Quality Engineer by American Society for Quality (ASQ)

Highlights

Experienced & qualified trainers

Approved training material

Based on ASQ CSQE® qualification

160+ practice questions

Excellent first attempt pass ratio

Master the art of quality software development. Prepare for ASQ Certified Software Quality Engineer (CSQE®) qualification examination.

CSQE® Boot Camp

Introduction

The ASQ's Certified Software Quality Engineer understands software quality development and implementation, software inspection, testing, verification and validation; and implements software development and maintenance processes and methods. This comprehensively designed course helps the participants in preparing and successfully passing the CSQE examination.

Learning Objectives

Successful completion of this course will enable participants to understand various aspects of quality software development including:

> Software Quality Management
> System and Software Engineering Processes
> Project Management
> Software Metrics and Analysis
> Software Verification and Validation
> Software Configuration Management.

Contents

> **General Knowledge**
- Benefits of software quality engineering within the organization
- Ethical and Legal Compliance
- Standards and models
- Leadership skills

> **Software Quality Management**
- Quality Management System Methodologies (cost of quality, return on investment, process improvement, defect prevention)
- Audits (audit types, process, roles and responsibilities)

> **System and Software Engineering Processes**
- Lifecycles and Process Models
- Systems architecture
- Requirements engineering
- Requirements management
- Software analysis, design, and development
- Maintenance management

> **Project Management**
- Planning, scheduling, and deployment
- Tracking and controlling
- Risk management

> **Software Metrics and Analysis**
- Process and product measurement
- Analysis and Reporting Techniques

> **Software Verification and Validation**
- Test Planning and Design
- Reviews and Inspections
- Test Execution Documents

> **Software Configuration Management**
- Configuration infrastructure
- Configuration identification
- Configuration control and status accounting
- Configuration audits
- Product release and distribution

> **Practice tests & quizzes**
> **Practice examination**

CSQE® Boot Camp

Recommended Participants

This course is highly valuable for:

❯ Software quality professionals
❯ Software process engineers
❯ Software engineers and managers.

Prerequisites

Basic understanding of software development lifecycle is useful.

Course Format

The course uses a stimulating mix of instructions, workshops, quizzes, discussions and a practice-exam.

Duration

5 days

Materials Provided

❯ Course reference manual containing copy of course slides, support documents, quizzes and answers
❯ Practice exam
❯ Course Certificate

Practice Exam

A practice exam is part of the course. It aims to help participants in passing the CSQE exam.

Certification Exam

CSQE examination is not included in this training course. Candidates interested in the examinations should apply to ASQ website to schedule their examination.

The CSQE exam consists of 160 multiple choice questions over a 4-hour period.

About Business Beam

Business Beam is a top of the line Management consultancy, training and outsourcing firm that helps organizations solve problems in strategy, governance, operations, quality, services, projects, information security, business continuity, human resources, risks and internal audit.

Established in 2004 with a vision to drive organizations towards corporate excellence, Business Beam has served hundreds of organizations of various sizes, different domains and geographical regions. Business Beam partners with customers to convert them into high-performance businesses and governments. We feel honored to help them grow!

Our training program has successfully reached to more than 7,000 professionals and executives, from 25+ different nationalities, and representing 1000+ organizations.

Business Beam is AXELOS certified partner and Accredited Training Organization (ATO) for COBIT, ITIL, PRINCE2, P3O and DevOps. We are also itSMF member, PECB partner, ISACA official licensee and CMMI Institute partner.

Contact Us

To find out more about how Business Beam can help you meet your growth objectives, visit
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