

Quality & Productivity Solutions, Inc.

ADMIN: One Sunny Hill, Oxford, MA 01540 Phone: (508) 987-3800 Fax: (508) 987-1464

TRAINING CENTER: The QPS Institute - Cedar Hill Place - 225 Cedar Hill Street - Floor 3 - Marlborough, MA 01752

Email: info@qpsinc.com Website: www.qpsinc.com

Software Professional Development Customized Training

DET Course # 1087354 - QPS Course # 333

TRAINING COURSE:	Software Professional Development Training Plan
TYPE OF TRAINING:	Classroom Training, Exercises, Workshops & Coaching. GURANTEED SATISFACTION (no additional charge for extra help / coaching until the training needs / certificate requirements are met). Customized.
BENEFITS:	Student will be able to add variety of skills, tools, techniques and qualifications to market to any manufacturing, software or service organization. The course design is based on what businesses need now.
COURSES-DESCRIPTION:	This consists of a series of courses, all which prepare students to be a software expert in any industry. Customized 4 outlined as follows: <ol style="list-style-type: none">1. ASQ CSQE – American Society for Quality Certified Software Quality Engineer Preparation (QPS course #403) or ASQ Certified Manager of Quality (CQM)2. Project Management Professional® Training Preparation for PMI – PMP® (QPS Course #221) or Program Management Professional Training Preparation PgMP® (QPS Course #306)3. Lean Six Sigma Green Belt (QPS Course #113A)4. Agile Certification Preparation (QPS Course #356) or Risk Management Professional Certification Training Preparation for PMI - RMP® (QPS Course #305)
PREREQUISITES:	IT Background and Work Experience: Check PMI's certification requirements per course also.
EXPECTED OUTCOME:	4 outlined as follows: <ol style="list-style-type: none">1. ASQ CSQE or ASQ CQM (a certificate is provided upon passing the exam on last day of class); student is responsible for applying and the taking ASQ® exam.2. Project Management Professional® Certification Prep (a certificate is provided upon passing the exam on the last day of class or Program Management Professional® Certification Prep (a certificate is provided upon passing the exam on the last day of class; student is responsible for applying and taking the PMI exam.3. Lean Six Sigma Green Belt Certification (A certificate is provided upon passing the exam on last day of class)4. Agile Certification or Risk Management Professional® Certification Prep (a certificate is provided upon passing the exam on the last day of class); student is responsible for applying and taking the PMI exam.
DURATION:	Classroom - besides coaching and mentoring, FULL TIME – 7 weeks, 26 hours per week (averaging time varies from 20 hours to 32 hours during 3 or 4 days per week)
COST:	\$7,500 (includes materials, supplies)
REGISTRATION:	QPS Training Administrator, Pam Martel (E-mail: info@qpsinc.com) will notify you by e-mail all dates and times as soon as State approves you for the training. QPS will ensure you are served whenever needed during the training period.
LEAD INSTRUCTORS:	Jay Patel (Cell 508-579-1006, jayp@qpsinc.com), Jack Reardon (Cell: 857-204-5589, Jackr@qpsinc.com).

Business Solutions Providers for Quality, Productivity and Performance Excellence
Experts in Lean Six Sigma, Management System, Supply Chain, Project Management and Professional Development

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Certified Software Quality Engineer (ASQ – CSQE Preparation)

Course 403

This course focuses on all the ASQ's Body of Knowledge and prepares you to take ASQ's CQSE examination.

Learning Objectives

This courses will prepare you to know the ASQ's Body of Knowledge on being a certified quality software engineer and successfully learn about the General Overview, Software Quality Management, Project Management, Software Metrics and Analysis, Software Verification and Validation, Software Configuration Management, Systems and Software Engineering Processes

Benefits / Enhancements

This course is designed for those who hold extensive experience in the software industry and have a strong interest in quality. Participants should already be familiar with the following in order to fully benefit in understanding all the required areas as specified by ASQ Body of Knowledge:

- Quality philosophies, principles, methods, tools, standards, organizational and team dynamics, interpersonal relationships, professional ethics, and legal / regulatory requirements.
- How software quality management principles impact business objectives and how to properly develop / implement software quality programs (include tracking, analyzing, reporting, problem resolution, process improvement, training, and supplier management.)
- Focus on software audits on various levels/stages (planning, approaches, types, analyses, reporting results and follow-up.)
- Learn systems architecture and how to implement software development and maintenance processes, quantify the fundamental problems and risks associated with various software development methodologies, and assess, support, and implement process and technology changes.
- Comprehend and apply project management principles / techniques (in relation to software project planning, implementation and tracking.)
- Understand all concepts associated with risk (manage/evaluate).
- Understand how to select, define and apply product and process metrics and analytical techniques (understanding of measurement theory and how to communicate results.)
- Understand a thorough understanding of verification and validation processes, including early software defect detection and removal, inspection, and testing methods (e.g., types, levels, strategies, tools and documentation).
- Knowledge of analyzing test strategies, develop test plans and execution documents, and review customer deliverables.
- Basic understanding of configuration management processes, including planning, configuration identification, configuration control, change management, status accounting, auditing and reporting (assess the effectiveness of product release and archival processes.)

Prerequisites: See ASQ's requirements

Please note: includes all fees, class room materials

Topics Covered: (ASQ's - CSQE Body of Knowledge)

- I. General Knowledge
 - A. Quality principles
 - B. Ethical and Legal Compliance
 - C. Standards and models
 - D. Leadership skills
 - E. Team Skills
- II. Software Quality Management
 - A. Quality Management System
 - B. Methodologies
 - C. Audits
- III. Systems and Software Engineering Processes
 - A. Lifecycles and process models
 - B. Systems architecture
 - C. Requirements engineering
 - D. Requirements management
 - E. Software analysis, design, and development
 - F. Maintenance management
- IV. Project Management
 - A. Planning, scheduling, and deployment
 - B. Tracking and controlling
 - C. Risk management
- V. Software Metrics and Analysis
 - A. Metrics and measurement theory
 - B. Process and product measurement
 - C. Analytical techniques
- VI. Software Verification and Validation
 - A. Theory
 - B. Test planning and design
 - C. Reviews and inspections
 - D. Test execution documentation
 - E. Customer deliverables
- VII. Software Configuration Management
 - A. Configuration infrastructure
 - B. Configuration identification
 - C. Configuration control and status accounting
 - D. Configuration audits
 - E. Product release and distribution

Who Should Attend?

Managers, engineers, analysts, associates, project managers, and other professionals who deal with quality and software as described in this course description / Anyone who is seeking certification / Mid-career professionals who seek to further develop their management skills where certification would enhance getting jobs. **For further information:** Contact the Training Administrator, Pam Martel info@qpsinc.com, Telephone: (508) 987-3800 or Jay Patel at 508-579-1006. **WHY THIS COURSE IS THE BEST?** Guaranteed satisfaction (no additional charge for individual coaching and mentoring, high placement rate, experienced instructors.

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ASQ- Certified Manager of Quality

Course No. 204

This course has been designed to prepare you for the ASQ Certification exam for Manager of Quality/Organizational excellence and also enhance skills required for managers.

Course Benefits

Participants will learn the knowledge about leadership, teams, team processes, strategic planning, project management, risk management, tools, and customer focused strategies, training and development. It will cover 300+ questions to prepare you for the exam.

Prerequisites

None for the class

Duration:

3 days

Materials included:

Primer, 1000 Questions/answers CD, book and customized training binder

Topics Covered:

- Leadership
- Strategy plan development and deployment
- Management elements and methods
- Quality management tools
- Customer focused organizations
- Training and development

Who Should Attend?

Quality engineers, managers and professionals looking to enhance their skills within their organizations.

For More Information:

Contact Training administrator: info@qpsinc.com , Telephone: (508) 987-3800

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Project Management Certification - PMI® PMP® or CAPM® Preparation (QPS Course # 221)

This course has been designed to understand fundamentals, processes, tools/techniques in Project Management and also to prepare for the PMI Certified Project Management Professional Exam. The course covers all the required areas of the body of knowledge, as specified by Project Management Institute. This knowledge will increase your competency in Project Management and prepare you to take PMI's® PMP® or CAPM® Certification Exam.

Course Benefits

- Participants will learn all the required areas of the body of knowledge, as specified by PMI® Body of Knowledge.
- The course measures your knowledge at every step with access to nearly 500+ exam questions
- Access to knowledgeable instructors
- Comprehensive materials
- Take a simulated 4-hour Practice and Final Exam (similar to PMI® PMP®)
- Certificate of course completion and meeting education requirements
- Discussion, interaction and class exercises would help to understand different aspects in the Project Management Profession
- Guaranteed satisfaction (additional classes, coaching and mentoring at no charge until you pass the exam)

Learning Objectives: The students will be prepared to:

- Learn and apply a basic and an advanced knowledge of the project
- Understand the content and format of examination questions
- Identify areas that require more individual study
- Pass the Project Management Professional (PMP®) Certification Examination

Note: 50% of the time spent on discussion, exercises and reviewing questions.

Student's comments:

- "This course helped me to understand how PMBOK applied in IT and service areas."
- "The QPS guaranteed policy works since I was able to repeat the class on risk management and MS project software after 10 months to deploy in my organization."
- "QPS instructors are well-qualified with over 20 years experience. Their experience in Project Management was very helpful understanding BOK."

Prerequisites: See PMI's® PMP® certification requirements

Topics Covered: (PMI's® PMP® Body of Knowledge)

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|--|--|
| • Introduction | • Cost Management |
| • Project Management Framework | • Project Quality Management |
| • Project Life Cycle & Organization | • Human Resource Management |
| • Project Management Processes | • Project Communications Management |
| o Initiating Process Group | • Project Risk Management |
| o Planning Process Group | • Project Procurement Management |
| o Executing Process Group | • Professional and Social Responsibility |
| o Monitoring & Controlling Process Group | • Review of Projects and Exercises |
| o Closing Process Group | • Practice Questions and Answers |
| • Project Integration Management | • Exam Details |
| • Project Scope Management | • Sample Exam, Final Exam |
| • Project Time Management | |

Who Should Attend? Managers, engineers, analysts, associates, project managers, and any other professionals who deal with Projects directly or indirectly / Anyone who is seeking certification / Mid-career professionals who seek to further develop their project management skills where certification would enhance getting the jobs.

For More questions: Contact the Training Administrator, Pam Martel info@qpsinc.com, Telephone: (508) 987-3800 or Jay Patel at 508-579-1006.

Why is this course the best? Guaranteed satisfaction. No additional charge for individual coaching and mentoring, high placement rate, experienced instructor.

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