Leadership & Management Development Training Plan
(Customized)
QPS Course # 332

This program consists of a series of courses, all which prepare students to be an expert in Quality, Business Improvement and Project Management in any type of manufacturing or service business. (Project Management Certification Preparation, Risk Management Certification Preparation, Certified Manager of Quality Preparation, Lean Six Sigma Green Belt, Six Sigma Black Belt, and choice of Supply Chain Professional or Operations Management)

Course 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.

Prerequisites Quality Concepts, Project Management Background, Process Management Background. See ASQ's, PMI's and APICS' certification requirements also.

Type of Training
Classroom Training, Exercises, Workshops & Coaching. No additional charges for additional and personal one on one coaching. GUARANTEED SATISFACTION (additional help / coaching until the training needs / certificate requirements are met).

Courses – Select any 5!
1. Lean Six Sigma Green Belt
2. Six Sigma Black Belt
3. PMI Certification – Any One
4. APICS Certification – Any One
5. Scrum Certification – Any One
6. ASQ Certification – Any One
7. IT/Software Certification – Any One

Duration Classroom - besides coaching and mentoring, FULL TIME - 13 weeks, 26 hours per week.

Cost $15,000 (includes materials)
**Six Sigma Black Belt Certification**

**Course No. 114A**
This course is based on ASQ’s Body of Knowledge and follows the DMAIC model. It provides instruction in the tools and techniques and the soft skills needed to effectively lead projects.

**Course Benefits**
Attendees learn to implement breakthrough improvements, to lead Six Sigma projects, to support management in the deployment of Six Sigma, and to use Six Sigma tools and techniques to achieve bottom-line success.

### Topics Covered:

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<tr>
<th>Session One:</th>
<th>Session Three:</th>
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<tr>
<td><strong>Six Sigma Improvement Methodology and Tools for DEFINE &amp; MEASURE</strong></td>
<td><strong>Six Sigma Improvement Methodology and Tools for IMPROVE</strong></td>
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<td>• Six Sigma Orientation</td>
<td>• Design of Experiments – Background and Roadmap</td>
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<td>• Six Sigma Metrics</td>
<td>• Full and Fractional Factorial Experiments</td>
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<td>• Project Management</td>
<td>• Other Statistical Tools</td>
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<td>• Team Building</td>
<td>• Response Surface Methods/Setting Operating Tolerances</td>
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<td>• Voice of The Customer/QFD</td>
<td>• Evolutionary Operations</td>
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<td>• Process Mapping</td>
<td>• Facilitating Teams</td>
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<td>• Probability</td>
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<td>• Basic Statistics</td>
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<td>• Process Capability</td>
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<td>• FMEA</td>
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<td>• Measurement Systems Analysis</td>
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<td>• Basic Tools and Techniques</td>
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<th>Session Two:</th>
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<tr>
<td><strong>Six Sigma Improvement Methodology and Tools for ANALYZE</strong></td>
<td><strong>Six Sigma Improvement Methodology and Tools for CONTROL &amp; LEAN</strong></td>
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<td>• Project Review</td>
<td>• Control Charts</td>
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<td>• How to Use Minitab</td>
<td>• Control Plan</td>
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<td>• Basic Statistics Summary</td>
<td>• Mistake Proofing</td>
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<td>• Collecting and Summarizing Data</td>
<td>• Reliability</td>
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<td>• Benchmarking</td>
<td>• Quality Management System</td>
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<td>• Root Cause Analysis</td>
<td>• Overview- Design for Six Sigma</td>
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<td>• Central Limit Theorem</td>
<td>• Lean Orientation</td>
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<td>• Power and Sample Size</td>
<td>• Managing For Change</td>
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<td>• Multi Vari Analysis</td>
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<td>• Confidence Interval</td>
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<td>• Hypothesis Testing</td>
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<td>• Correlation &amp; Regression</td>
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<td>• Analysis of Variance</td>
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<td>• Group Dynamics</td>
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This course has been designed to help you understand the fundamentals, processes, tools/techniques in Project Management and also to prepare participants for the PMI Certified Project Management Professional Exam. The course covers all the required areas of the body of knowledge, as specified by the 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
- Training needs are identified through practice exams and student interaction
- 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 all 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 is spent on discussion, exercises and reviewing questions. Outcomes are measured based on performance in final exam.

Student’s comments:
- “This course helped me to understand how PMBOK is applied in IT and service areas.”
- “QPS instructors are well-qualified with over 20 years of experience. Their experience in Project Management was very helpful in understanding BOK.”

Prerequisites: See PMI’s PMP certification requirements

Duration: Avg. 20 hours per week for 3 weeks.

Topics Covered: (PMI’s PMP Body of Knowledge)

• Introduction, Exam details, BOK, and Expected Outcomes
• The Project Management Framework
  ➢ Introduction
  ➢ Organization & Life Cycle of the Project
• The Project Management Processes
  ➢ Initiating Process Group
  ➢ Planning Process Group
  ➢ Executing Process Group
  ➢ Monitoring & Controlling Process Group
  ➢ Closing Process Group
• Project Integration Management
• Project Scope Management
• Project Time Management
• Project Cost Management
• Project Quality Management
• Project Human Resource Management
• Project Communications Management
• Project Risk Management
• Project Procurement Management
• Project Stakeholder Management
• Professional and Social Responsibility
• Review of Projects and Exercises
• Practice Question and Exam
• Final Exam

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 jobs.

For More questions: Contact: info@qpsinc.com, Telephone: 1(877) 987-3801.
APICS – Certified Supply Chain Professional (CSCP) Certification Preparation Course

This course has been designed to prepare you for the APICS CSCP certification. The course covers all the required areas of the body of knowledge, as specified by APICS. This certification will enhance your supply chain competency and your manufacturing career.

Course Benefits: Instructor will test the participants and they will learn all areas of the BOK. 350 questions/answers will be covered in the class.

Course Duration: 5 days

Prerequisites: None for the course

Topics Covered: (Body of Knowledge)
See APICS Body of Knowledge for this certification
1. Supply Chain Management Fundamentals (SCM)
2. Supply Chain Strategy, Design, and Compliance
3. Implementation and Operations
Terminologies

Who Should Attend? Professionals who are looking to obtain the CSCP certification or enhancing knowledge in Supply Chain.

APICS Certified in Production and Inventory Management CPIM Preparation

This course has been designed to prepare students for the APICS CPIM certification and learn all aspects of planning, scheduling, procurement, purchasing, supply chain and Systems. The course covers all the required areas of the body of knowledge, as specified by APICS. This certification will enhance your manufacturing and production control competency and your career.

Course Benefits
Participants will learn all areas of the APICS Body of Knowledge (questions/answers will be covered in the class.) including case studies.

Prerequisites None

Topics Covered (Select any two out of five):
Details of Body of Knowledge at www. APICS.org

- Basics of Supply Chain Management
- Master Planning of Resources
- Detailed Scheduling and Planning
- Execution and Control of Operations
- Strategic Management of Resources

Who Should Attend?
Professionals who are looking to obtain the CPIM certification or enhancing knowledge.

Instructor
The instructor is an APICS – CPIM certified with 20+ years of industry experience.

For More Information:
Contact: info@qpsinc.com or call 1-877-987-3801.
Jay P. Patel, ASQ Fellow

Jay P. Patel, possesses over 25 years of professional work experience in management and quality assignments, including consulting and training to many Fortune 500 clients and trained thousands of people. Jay has taught on site to several public and private companies. He has instructed ASQ, PMI and APICS Certification Courses besides GB, BB, DFSS and MBB. He has presented speeches and seminars to various organizations such as the Project Management Institute, American Production and Inventory Control Society, Institute of Industrial Engineers, American Society for Quality, and Society of Manufacturing Engineers. He holds 10 ASQ Certifications including Six Sigma Certified Black Belt. He has a Bachelor and Master Degrees in Engineering and MBA. He is a RAB-Quality System Lead Auditor. Jay holds PMI certifications. He is a certified Project Management Professional (PMP®), a certified Risk Management Professional (RMP®) and a certified Scheduling Professional (PMI-SP®). Jay has served as Project Management Institute, Institute of Industrial Engineers and ASQ. He has held a number of positions at Chapters and Region levels in all 3 organizations. Jay is the Chairman of ASQ NEQC (North East Quality Council). Jay has been the National Malcolm Baldrige Quality Award Examiner and is an ASQ Fellow. He has co-authored the Quality Council of Indiana’s Six Sigma Black Belt & Green Belt Primers, which are used for ASQ Certifications.

Jack Reardon

Jack Reardon has over 30 years of experience in the quality and business improvement field specializing in Quality Improvement. Jack’s professional experience includes working in the manufacturing and service industries and provided training for Green Belt, Black Belt and Master Black Belt. Jack has successfully managed the quality systems and quality improvements of our clients. Jack has taught courses in Lean Six Sigma for Yellow Belts, Green Belts, Black Belts and Master Black Belt. Jack is a certified Lean Expert, Master Black Belt and Design for Six Sigma Black Belt. A member of American Society for Quality for the last 15 years, he has been an active officer of ASQ North East Quality Council. He is a graduate of Northeastern, with a Bachelor of Science in Business Management.

Richard Bivins

Mr. Bivins has a significant amount of experience in the areas of Lean Six Sigma, Lean Accounting, Production and Inventory Management, Supply Chain and Management Systems. He has worked for the MDS Security Group as a Field Operations Supervisor, Subaru New England as a Port Inventory Control Manager and for Micrologic, Inc. as a Purchasing Manager. He was a consultant to Learning Curve Brands, Inc. where he trained production workers, provided material quality screening/validation services, and implemented JIT, all within strong efforts to reduce lead times and even eliminate expense. Richard holds a significant amount of experience in procurement, ISO, TOC teamwork, training support, logic flow, manufacturing sequence analysis, standardization, cost reduction, best cost sourcing, process management and risk mitigation. He also holds a substantial amount of experience in commodity impact tracking, strategic supplier management, legacy systems adaptation and quality management systems. A graduate of West Texas A & M University with a Bachelor of Science in Economics, Richard holds a Certified Production and Inventory Management (CPIIM) certificate and two Train the Trainer certificates from APICS. He is also a Certified Lean Expert and a certified Lean Six Sigma Champion from Quality & Productivity Solutions, Inc. He is an Instructor for Lean Six Sigma, Supply Chain Certification and Certified Production Management Courses at Quality & Productivity Solutions, Inc.