

LEAN SIX SIGMA WHITE BELT, YELLOW, GREEN, OR BLACK BELT CERTIFICATION

WHAT IS LEAN? Lean is a process designed to bring about rapid, dramatic improvements to the performance of an organization through a simplification of the value stream. It consists of a comprehensive set of elements, rules and tools that focus on value, the elimination of waste (any activity that consumes resources but creates no value for the customer) and continuous incremental improvement. As market forces dictate pricing and create pressure for lead-time reductions, organizations need to focus on streamlining processes in order to grow margins and remain competitive.

Lean primarily focuses on the relentless elimination of waste from all business activities. This is achieved through the use of specific concepts that are intended to provide excellent quality products or services, delivered on time, at the lowest total cost, and only on the specific demand of the customer. Organizations that have transitioned to a Lean culture have seen a radical improvement in profitability, service levels, productivity, asset utilization, cash flow, inventory levels, changeover times, product designs, quality, cycle times and product costs. As a manufacturing philosophy, Lean reduces the time occurring between order placement and shipment. Applied to business processes or service environments, Lean thinking reduces cycle times and streamlines processes by removing non-value-added steps.

WHAT IS SIX SIGMA? Six Sigma is a business-driven, multi-faceted approach to process improvement, reduced costs, and increased profits. With a fundamental principle to improve customer satisfaction by reducing defects, its ultimate goal is virtually defect-free processes and products (3.4 or fewer defects per million opportunities (DPMO)). The Six Sigma methodology, consisting of the steps "Define - Measure - Analyze - Improve - Control," (DMAIC) is the roadmap to achieving this goal. Six Sigma focuses on process improvement, reducing costs, and increasing profits. It is a methodology driven by understanding customer needs, and the disciplined use of data, facts, and statistical analysis to improve and reinvent organizational processes.

WHY LEAN SIX SIGMA? Customers are becoming increasingly demanding. As a result, they must consistently deliver products and services that are of greater value. Many companies pursue either Lean or Six Sigma as means to meet these challenges. Individually, they fill important needs. Both are based on improvement. However, using one or the other alone has limitations. Six Sigma reduces scrap rates and quality defects by focusing on measurement systems as well as capability or process quality variation; however, it doesn't optimize process flow. Lean doesn't dramatically improve process capabilities but it does target cycle times, wastes and other process costs. When used together, these methods complement and reinforce each other.

Speed, quality and cost are the components that drive the success of any organization. Lean Six Sigma works on all three simultaneously because it blends Lean, with its primary focus on process speed, and Six Sigma, with its primary focus on process quality, within a proven organizational framework for superior execution. This program specifically addresses how integrating Lean (making work faster) and Six Sigma (making work better) helps an organization move quickly with higher quality and lower cost.

PROGRAM OPTIONS:

LEAN SIX SIGMA WHITE BELT CERTIFICATION

Overview: Lean Six Sigma (LSS) is a set of quality tools used to remain competitive in today's global market. Our White Belt program is a 24 hour introductory course that covers the basics of LSS philosophy and concepts. Participants will learn some of the tools that will help them become effective contributors on process improvement teams.

Description: Our program has been designed to provide the core concepts of Lean Six Sigma with a focus on Lean practices and quality improvement tools. This program makes it easy for people to question how things get done within their "line-of-sight". Participants will be introduced to the DMAIC methodology - Define, Measure, Analyze, Improve and Control - and receive training in methods and tools used to enhance basic quality skills and their application of common sense. It will also allow companies to introduce Lean Six Sigma into more areas within the organization and reach line level employees.

Topics to be covered will include:

- History and Background of Lean and Six Sigma
- Integration of Six Sigma and Lean Enterprise

- Define, Measure, Analyze, Improve, Control (DMAIC)
- Understanding Voice of the Customer (VOC)
- Basic Statistics
- Lean and Six Sigma metrics
- Statistical Process Control (SPC)
- Project chartering
- Cost of Poor Quality (COPQ)
- Data Collection
- Graphical Analysis
- 5 S

Format: The program consists of one, 24 hour classroom training module.

Certification: MCC and will issue Lean Six White Belt certification to candidates upon successful completion of the program. The criteria used to measure success is 85% attendance of the scheduled classes.

Who Should Attend? This course is for anyone interested in being exposed to Lean Six Sigma concepts and principles.

Prerequisites: The desire to learn and apply Lean Six Sigma

Benefits:

- Combines the best practices of Lean and Six Sigma
- The highest quality materials
- Practical tools of Lean and the science of Six Sigma
- Knowledgeable and engaging instructors

LEAN SIX SIGMA **YELLOW BELT** CERTIFICATION

Overview: Lean Six Sigma (LSS) is a set of quality tools used to remain competitive in today's global market. Our Yellow Belt program is a 48 hour mid-level program that goes beyond the basics and puts the concepts and tools into action. The training is accompanied by periods of "real world" application of newly acquired skills and knowledge through the completion of an actual work project. MCC's knowledge transfer and evaluation process provide constant monitoring of improvement during the training period – not months later!

Description: This program teaches participants how to eliminate non value-adding steps and reduce defects and variation, resulting in more efficient processes and better customer service. The goal is to keep training costs minimal while helping your organization achieve maximum savings through the application of the training. With every trainee working to improve a particular part of the organization while receiving one-on-one coaching and mentoring, your organization will see results.

Topics to be covered will include:

- Lean Six Sigma Overview: What Every Employee Needs to Know
- Seeing Products/Services through Your Customer's Eyes: Identifying and Prioritizing Customer Requirements
- Statistics: The Topic We All Love to Hate
- DMAIC Process
- Business Process Management: Conquering Complexity by Identifying and Eliminating Waste and Variation
- Fast, Free, and Flawless: Basic Lean Tools for Process Improvement
- Leading High Powered Teams: Staying Cool, Calm, and Collected Under Pressure)

Format: The program is delivered in a blended learning environment that combines 24 hours of actual classroom time and an additional 24 hours of on-line material.

The Project: Lean Six Sigma success is achieved through process improvement projects that yield higher quality, efficiency and customer satisfaction. For this reason, MCC has chosen a project-based approach to delivering and reinforcing Lean Six Sigma Yellow Belt skills. Our program requires candidates to work through a real improvement project. This results in a deeper level of learning and immediate payback for the organization. Personal review and coaching on your individual project will be arranged during the course.

A Yellow Belt project should:

- Provide a measurable return to the organization
- Be within the candidate's authority to conduct
- Be completed within the time frame of the program

Have one or more of these objectives:

- ✓ Improve customer satisfaction
- ✓ Reduce defects
- ✓ Improve first-pass yield
- ✓ Reduce variability
- ✓ Optimize process performance
- ✓ Reduce the cost of quality
- ✓ Optimize the supply chain
- ✓ Reduce cycle time
- ✓ Shorten lead time
- ✓ Optimize product performance
- ✓ Cut costs
- ✓ Improve delivery performance

It's expected the candidate will come to the program with a project identified. He/she will work with the instructors to formalize the content and the anticipated deliverables. This will be done early on in the classroom environment. If a candidate is not employed and meets the program admission standards, and does not have a project, MCC will work with him/her to secure one. Because of the complexity and importance of these projects, we cannot guarantee placement.

Certification: MCC and will issue Lean Six Yellow Belt certification to candidates upon successful completion of the program. The criteria used to measure success are 1) Completion of 85% of classroom training, 2) Passing the final written exam, 3) Completion of a final project with demonstrated evidence that performance and savings goals were met along with proficiency in selecting and utilizing appropriate LSS tools.

Who Should Attend? This course is for anyone interested in being exposed to Lean Six Sigma concepts and principles and has the resources to complete a basic Lean Six Sigma project.

Prerequisites: The desire to learn and apply Lean Six Sigma

Benefits:

- Combines the best practices of Lean and Six Sigma
- The highest quality materials
- Blended learning format
- Practical tools of Lean and the science of Six Sigma
- Knowledgeable and engaging instructors
- Quick improvement opportunities

LEAN SIX SIGMA GREEN BELT CERTIFICATION

Overview: In today's competitive marketplace, customers are demanding higher quality and better service. Shareholders are expecting larger profits and everyone is expected to do more with less. MCC's Lean Six Sigma **Green Belt** certification program will teach you how to implement the features of both Lean and Six Sigma to help secure the long-term competitive advantage of your company or organization. The information you'll learn in this program is applicable in practically any environment.

Description: Lean Six Sigma Green Belt candidates are selected because of their process knowledge and experience. After training, they will typically spend about 15% - 25% of their time on Lean Six Sigma projects. Their main responsibility when functioning as a Green Belt is to support Black Belts on their projects by collecting and conducting simple data analyses, and in the preparation of reports. Some more experienced Green Belts may also lead small, focused projects within their departments. With our program, "Lean Six Sigma" refers to a methodology utilized to drive out waste and improve the quality, cost and time performance of any process. Students start with Value Stream Mapping including Cost of Waste & Poor Quality Analysis. They will document the selected Value Stream(s), Current State Map and identify the locations and amounts of waste, categorized by the Eight Deadly Wastes (Defects, Overproduction, Transportation, Waiting, Inventory, Motion, Processing, Underutilized Creativity), with an in-depth look at the sources of defects and the associated cost of poor quality. They will apply Lean Six Sigma tools to reduce sources of defects and then verify the effectiveness of their solutions. Instructors will use interactive simulations, small group interaction, and hands-on exercises throughout the program.

Topics Covered:

- History and background of Lean and Six Sigma
- Project charter preparation
- Cost of Poor Quality (COPQ)
- Kaizen Techniques
- Introduction to statistics
- Cause and effect diagram
- ANOVA
- Lean and Six Sigma metrics
- Design of experiment planning
- Statistical Process Control (SPC)
- Integration of Six Sigma and Lean Enterprise
- Understanding Voice of the Customer (VOC)
- Value stream mapping/process mapping
- 5 S
- Define, Measure, Analyze, Improve, Control (DMAIC)
- Measurement Systems Analysis (MSA)
- Process capability studies
- Process FMEA
- Overview of Design of Experiments (DOE)
- Mistake Proof / Fail Safe

Format: The program consists of two modules of classroom training, each followed by periods of "real world" application of newly acquired skills and knowledge. MCC's knowledge transfer and evaluation process provide constant monitoring of improvement during the training period – not months later!

The Project: Lean Six Sigma success is achieved through process improvement projects that yield higher quality, efficiency and customer satisfaction. For this reason, MCC has chosen a project-based approach to delivering and reinforcing Lean Six Sigma Green Belt skills. Our program requires candidates to work through a real improvement project. This results in a deeper level of

learning and immediate payback for the organization. Personal review and coaching on your individual Lean Six Sigma project will be arranged during the course.

A Green Belt Lean Six Sigma project should:

- Provide a significant measurable return to the organization
- Be completed within the time frame of the program
- Be within the candidate's authority to conduct

Have one or more of these objectives:

- ✓ Improve customer satisfaction
- ✓ Reduce defects
- ✓ Improve first-pass yield
- ✓ Reduce variability
- ✓ Optimize process performance
- ✓ Reduce the cost of quality
- ✓ Optimize the supply chain
- ✓ Reduce cycle time
- ✓ Shorten lead time
- ✓ Optimize product performance
- ✓ Cut costs
- ✓ Improve delivery performance

It's expected the candidate will come to the program with a project identified. He/she will work with the instructors to formalize the content and the anticipated deliverables. This will be done early on in the classroom environment. If a candidate is not employed and meets the program admission standards, and does not have a project, MCC will work with him/her to secure one. Because of the complexity and importance of these projects, we cannot guarantee placement.

Certification: MCC will issue Lean Six Sigma Green Belt certification to candidates upon successful completion of the program. The criteria to measure success are: 1) Completion of 85% of classroom training; 2) Project completion, with objective evidence that performance and savings goals were met; 3) Demonstrated proficiency in selecting and utilizing appropriate LSS tools.

Who Should Attend? This course is designed for anyone who will be participating in a Lean Six Sigma process improvement project or would like to learn the principles involved to further their professional skills. It applies to staff, line supervisors, managers and directors in such areas as manufacturing, operations, customer service, engineering, IT, marketing, logistics, sales, quality, purchasing, health care, education, and health and safety.

Prerequisites:

- Intermediate skill in Microsoft Excel
- Track record for accomplishing difficult tasks
- The desire to learn and apply Lean Six Sigma
- Exposure to basic statistics
- Excellent interpersonal skills

Benefits:

- Combines the best practices of Lean and Six Sigma
- The highest quality materials
- Knowledgeable and engaging instructors
- Practical tools of Lean and the science of Six Sigma
- Knowledgeable and engaging instructors
- If necessary, assistance in locating a project
- Mentoring of projects

LEAN SIX SIGMA BLACK BELT CERTIFICATION

Overview:

Lean Six Sigma Black Belt candidates are change agents and leaders who have developed a high proficiency in Lean and Six Sigma philosophies, concepts and tools, and understand how these two powerful methodologies augment each other. They are the "doers" in implementing Lean Six Sigma strategies who lead and manage all aspects of the improvement projects. Becoming a Lean Six Sigma Black Belt is an outstanding investment in your personal and professional development.

Description:

Our program is structured so that White, Green and Black Belt candidates attend the first sections together. Black Belts then continue on for additional training, while Green Belts are deployed back to the job where they begin work on their projects. The continued training for Black Belts provides higher level tools and methodologies required to function in this role. This training does address the area of statistics in depth, as it is part of the Black Belt's job to provide this training, as needed, to their team.

Topics Covered:

- History and background of Lean and Six Sigma
- Project charter preparation
- Cost of Poor Quality (COPQ)
- Kaizen Techniques
- Introduction to statistics
- Cause and effect diagram
- ANOVA
- Lean and Six Sigma metrics
- Integration of Six Sigma and Lean Enterprise
- Understanding Voice of the Customer (VOC)
- Value stream mapping/process mapping
- 5 S
- Define, Measure, Analyze, Improve, Control (DMAIC)
- Measurement Systems Analysis (MSA)
- Process capability studies
- Process FMEA

- Design of experiment planning
- Statistical Process Control (SPC)
- Benchmarking
- GEMBA
- Mistake Proof / Fail Safe
- Response Surface Methods (RSM)
- Reliability engineering
- Regression analysis
- Design of Experiments (DOE)
- Mistake Proof / Fail Safe
- Quality Function Deployment (QFD)
- Theory of Constraints (TOC)
- Full factorial designs
- Taguchi methods and robust design
- Design For Six Sigma (DFSS)
- Statistical Process Control (SPC)

Format: The program consists of two additional modules beyond the Green Belt program, each followed by periods of “real world” application of newly acquired skills and knowledge. MCC’s knowledge transfer and evaluation process provide constant monitoring of improvement during the training period – not months later!

The Project: Lean Six Sigma success is achieved through process improvement projects that yield higher quality, efficiency and customer satisfaction. For this reason, MCC has chosen a project-based approach to delivering and reinforcing Lean Six Sigma Black Belt skills. Our program requires candidates to work through a real improvement project while training and coaching are provided over a specific time. This results in a deeper level of learning and immediate payback for the organization.

A Lean Six Sigma Black Belt project should:

- Provide a significant measurable return to the organization
- Be within the candidate's authority to conduct
- Be completed within the time frame of the program

Have one or more of these objectives:

- ✓ Improve customer satisfaction
- ✓ Reduce defects
- ✓ Improve first-pass yield
- ✓ Reduce variability
- ✓ Optimize process performance
- ✓ Reduce the cost of quality
- ✓ Optimize the supply chain
- ✓ Reduce cycle time
- ✓ Shorten lead time
- ✓ Optimize product performance
- ✓ Cut costs
- ✓ Improve delivery performance

It's expected the candidate will come to the program with a project in mind. Projects will be noticeably larger in scope than Green Belt requirements. The participant will work with the program instructors to formalize the content and the anticipated deliverables. This will be done early on in the classroom environment. If a candidate is not employed and meets the program admission standards then MCC will work the prospective participant to place him/her in a project. Because of the complexity and importance of these projects, MCC cannot guarantee placement.

Certification: MCC will issue Lean Six Sigma Black Belt certification to candidates upon successful completion of the program. The criteria to measure success are: 1) Completion of 85% of classroom training; 2) Project completion, with objective evidence that performance and savings goals were met; 3) Demonstrated proficiency in selecting and utilizing appropriate LSS tools.

Who Should Attend? This course is designed for anyone who will be leading a Lean Six Sigma process improvement project or would like to master the principles involved to further their professional skills. It applies to staff, line supervisors, managers and directors in such areas as manufacturing, operations, customer service, engineering, IT, marketing, logistics, sales, quality, purchasing, health care, education, and health and safety.

Prerequisites:

- Advanced skill in Microsoft Excel
- Track record for accomplishing difficult tasks
- Two years of related experience and a college degree
- The desire to learn and apply LSS at the highest level
- Comfortable with statistical analysis
- Proven strength in a functional discipline
- Excellent interpersonal skills

Benefits:

- Combines the best practices of Lean and Six Sigma
- The highest quality materials
- Knowledgeable and engaging instructors
- Practical tools of Lean and the science of Six Sigma
- Knowledgeable and engaging instructors
- If necessary, assistance in locating a project
- Mentoring of projects

RESULTS TO DATE:

As of January 3, 2012, MCC has worked with the following 66 companies and organizations implementing various Lean Six Sigma projects: A. Lumber, ACM Medical Laboratory, Allworx Communications, American Recycling and Manufacturing, American Red Cross, AMPAC, Arnprior, Automatic Screw Machine, Bausch & Lomb, Carestream Health, Catholic Family Services, Commodore Plastics, Corporate Data Management Inc., Crestwood Children's Center, Datrose Inc., EIC, Eltrex Industries, Excellus BlueCross & Blue Shield, Flower City Printing, Forteq USA, General Motor, GentCorp Ltd., Gleason Works, Gorbel Inc., Getinge Sourcing LLC, Harris Corporation, Highland Hospital, Hillside Family of Agencies, Hover-Davis, Klein Steel, Lapp Insulator Company, Lifetime Care, Lifetime Health Medical Group, MACO Bag Corp., Markin Tubing, Mirror Show Management, Mooney Keehley Printing Co., Monroe County Sheriff's Office, Monroe County Jail, Northern Air Systems, Parlec Inc., Pfaudler Inc, Photikon Corporation, Preferred Care, Printing Methods, Inc., Quality Vision International, Ravenwood Golf Club, Rochester City School District, Rochester Precision Optics, Rushville Community Health Center, Semrock, Schlegel Systems, Inc., TYCOM Recycling, Inc., UCB Inc., Terphane, Inc., Tapecon Inc., Unistel (CDS), Ultralife Batteries, Inc., United States Postal Service, VWeis Construction Solutions, Valeo, ViaHealth, VirtualScopics, Wards Natural Science, Wegmans & Woodward Casting Cell.

Collectively these companies have saved **\$22,632,534** from the projects our Lean Six Sigma Green and Black Belt candidates have lead. To date we have graduated 77 Black Belts, 60 Green Belts, 1 Yellow Belt and 39 White Belts.

INSTRUCTOR:



Jack Cook, Ph.D., CFPIM, CSCP, CSQE is a professor, speaker, author, and consultant. He is an Associate Professor of Operations and Information Systems at RIT. His areas of expertise include Supply Chain Management, Lean Thinking, Information Systems, Operations Management and Electronic Commerce. Jack's extensive experience teaching and training over the last two decades includes over one hundred conference presentations and numerous journal articles. He has an entertaining and engaging approach and is known for bringing theories to life, resulting in him being honored five teaching awards. Dr. Cook is a Certified Fellow in Production and Inventory Management (CFPIM), Certified Supply Chain Professional (CSCP) as well as a Certified Software Quality Engineer (CSQE), and a Master Black Belt. He is a CPIM certification instructor, and has developed and delivered many seminars and on-site training programs. In addition to extensively consulting and training Lean Six Sigma Green and Black Belts, Dr. Cook developed a Lean Six Sigma x-Belt Certification program specifically designed for non-manufacturers. His education includes a Ph.D. in Business Administration, an MS in Computer Science, an MBA, MA in Mathematics, and a BS in Computer Science.

PROGRAM DATES / OPTIONS

All classes are held at Monroe Community College, Damon City Campus, 228 East Main Street, Downtown Rochester, Room 5140

DAY classes meet 8:30 a.m. – 4:30 p.m.

EVENING classes meet 5:30 – 9:30 p.m.

White Belt

<u>DAY CLASS</u>	February 6 - 8, 2012 February 6, 7 & 8, 2012	OR	<u>EVENING CLASS</u>	February 7 – 23, 2012 February 7, 9, 14, 16, 21 & 23, 2012
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Yellow Belt

<u>DAY CLASS</u>	February 6 - 8, 2012 February 6, 7 & 8, 2012*	OR	<u>EVENING CLASS</u>	February 7 – 23, 2012 February 7, 9, 14, 16, 21 & 23, 2012*
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*Class requires the completion of an additional 24 hours of on-line material

Green Belt

<u>DAY CLASS</u>	February 6 – March 16, 2012 Two full weeks of classroom instruction: Week 1: February 6, 7, 8, 9 & 10, 2012 Week 2: March 12, 13, 14, 15 & 16 Each module is followed by three weeks of project work.
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<u>EVENING CLASS</u>	February 7 – April 14, 2012 Requires completion of modules 1 & 2. Module 1: February 7, 9, 14, 16, 21, 23 & 28 / March 1, 6 & 8, 2012 Module 2: March 13, 15, 20, 22, 27 & 29 / April 5, 7, 12 & 14, 2012
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Black Belt

DAY CLASS

February 6 – May 18, 2012

Four full weeks of classroom instruction:

Week 1: February 6, 7, 8, 9 & 10, 2012

Week 2: March 12, 13, 14, 15 & 16, 2012

Week 3: April 16, 17, 18, 19 & 20, 2012

Week 4: May 14, 15, 16, 17 & 18, 2012

Each week is followed by three weeks of project work.

EVENING CLASS February 7 – June 28, 2012

Requires completion of modules all four modules.

Module 1: February 7, 9, 14, 16, 21, 23 & 28 / March 1, 6 & 8, 2012

Module 2: March 13, 15, 20, 22, 27 & 29 / April 5, 7, 12 & 14, 2012

Module 3: April 24 & 26 / May 1, 3, 8, 10, 15, 17, 22 & 24, 2012

Module 4: May 29 & 31 / June 5, 7, 12, 14, 19, 21, 26 & 28, 2012

COST:

White Belt: \$500 Yellow Belt: \$1,750 Green Belt: \$3,500 Black Belt: \$5,500

All fees include materials and are due prior to the start of the first class.

If you're a member of any of the organizations (as described on page 8) you are eligible for the following discounts:

White Belt: \$450 Yellow Belt: \$1,350 Green Belt: \$3,150 Black Belt: \$4,500

Proof of membership before the class begins will qualify you for the discount. No discounts are awarded after classes have started.

APPLICATION PROCEDURE

On-line registration is no longer available for these programs. If you're interested in attending please email your resume and indicate which course and session you're interested in to: ccaples@monroecc.edu. For Green and Black Belts, it is required you attend a personal interview. Once we receive your resume you'll be contacted to arrange a time that is convenient.

CANCELLATION / REFUND POLICY

You may cancel your registration 10 business days prior to the start of the program. The request must be received in writing. Cancellations received later than this date are subject to forfeiting the application deposit. You will receive a full refund if you cancel within the allotted time. Refunds will be made within 60 days of cancellation. If a student attends a portion of the program, and does not complete, the student will be liable for:

1. The registration deposit
2. The cost of any textbooks or supplies accepted
3. Tuition liability as of the day the student notifies MCC of his/her desire to cancel from the class
4. No refunds are available after program completion

The effective termination for refund purposes will be the earliest of either the last date of attendance or the date of receipt of written notice from the student. The tuition liability will be a pro rata refund for the remaining class hours for students who cancel from class according to the following table:

If termination occurs

MCC may keep

0-3% of the program	00% (only the application deposit)
4-15% of the program	20%
16-30% of the program	40%
31-45% of the program	60%
46-60% of the program	80%
After 60% of the program	100%

OUR PARTNERS

During the development of our curriculum we discussed our ideas with many of our past clients as well as future participants. We came to the conclusion our offerings would be of higher quality if we could have a number of partners continually assist with the development and operation. To this end the following organizations have agreed to work with us:



Founded in 1957 APICS, formerly known as the American Production and Inventory Control Society, has since expanded its focus to include a full range of programs and materials for individual and organizational education, standards of excellence, and integrated resource management. To reflect this new direction, APICS has recently changed its tag line to Advancing Productivity, Innovation, and Competitive Success. For more information please visit their website at www.apicsr.org or contact them at 585-244-3143.



American Society for Quality, Rochester Section (ASQRS) – With its national headquarters in Milwaukee, Wisconsin, ASQ is the world's leading authority on quality since 1946. This association creates better workplaces and communities worldwide by advancing learning, quality improvement, and knowledge exchange to improve business results. The local chapter, ASQRS4, produces a number of professional development activities including an annual conference and monthly dinner meetings. The vision of ASQRS is to be a recognized authority and champion for quality in the greater Rochester area. For more information please visit their website at www.asqrs.org or 585-453-4705.



National Association of Purchasing Management Rochester (NAPMR) – is one of 180 affiliates of the Institute for Supply Management (ISM), formerly the National Association of Purchasing Management (NAPM). NAPMR serves as a center of excellence in establishing best-in-class professional standards of competency and conduct for its members. For more information visit their website at www.napmr.org or 585-334-8840.



Project Management Institute (PMI), Rochester Chapter was established in 1985, while the origin of PMI was formed in 1969. PMI represents the world's largest professional community engaged in the promotion, maintenance, and advancement of project management practices worldwide. PMI is actively involved in the pursuit of education and knowledge acquisition, professional development and networking, career advancement and professional standards, as well as products and services in the field of project management. For more information, please visit their website at www.pmirochester.org or 585-292-2637.



The Rochester Engineering Society (RES) promotes and celebrates excellence, innovation, cooperation, professional growth and fellowship in the engineering, scientific and allied professions. Founded in 1897, RES is a multi-disciplinary society uniting diverse disciplines to enhance professional development, foster excitement in math and science for the next generation of leaders, and improve communities where members live. For more information, please visit their website at www.roceng.org or (585) 254-2350.

For questions please call: Charles Caples (585) 262-1429 or ccaples@monroecc.edu