

Manufacturers Resource Center

The MRC Difference

- Our Maintenance Master Certification program is taught by Certified Maintenance and Reliability Professionals (CMRP)
- All sessions will be held at a local manufacturers which include real-life applications to enhance learning
- Workshops include hands-on involvement and innovative team approaches for improving equipment effectiveness
- Become part of a maintenance professionals peer group to network and share best practices
- All sessions can be taken individually or as part of our six-part Maintenance Master Certification program

Learn more about our Maintenance Master program and view our current schedule: mrcpa.org/maintenance



About the Instructor

Jeffrey Craig, CMRP | Reliability & Maintenance Professional | Fuss & O'Neill Manufacturing Solutions

Jeff has more than 30 years of experience in Engineering and Maintenance Management. A natural leader, Jeff has spent his career training both civilians and military personnel in the art of technical and program management. He is an expert in safety program management and has extensive process improvement experience. As a Reliability and Maintenance Professional for Fuss & O'Neill's Manufacturing Solutions, Jeff works with clients to integrate total process management to improve efficiency, safety, and the bottom line.



Jeff is an expert and proponent of TPM (Total Productive Maintenance) and Maintenance Excellence procedures because he has seen, firsthand, the benefits these practices bring. He integrates his practical experience into classes to emphasize real-world applications and to effectively communicate the subject matter. He focuses on individualized client attention and recognizes that an off-the-shelf approach is never an option.

- MRC's training programs can be customized to your company's specific needs and offered at your facility using "Learn and Experience" methods. To learn more, please contact: **Nicole Pierce, Training & Events Coordinator** at (484) 655-4873 or nicole.pierce@mrcpa.org.

MAINTENANCE MASTER CERTIFICATION

A Six-Part Program to Achieve **Maintenance Excellence**



OUR MAINTENANCE MASTER CERTIFICATION TRAINING PROGRAM PROVIDES THE **HANDS-ON SKILLS** AND STRATEGIES TO MAKE THE SWITCH FROM FIREFIGHTING TO TRUE **MAINTENANCE EXCELLENCE**.

Maintenance Master Certification Programs

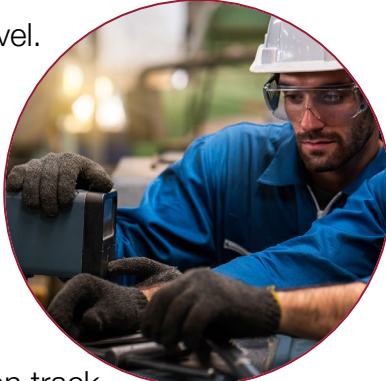
In a typical maintenance department, 90% of jobs are to repair equipment after it breaks down. Because a reactive maintenance job is 5-10 times more expensive than a proactive job, costs are extremely high. Our 6 sessions address different topics focused on the critical skills and methods important to world-class maintenance. With each session hosted by local manufacturing companies, participants real-life, hands-on experience while learning each topic.

Maintenance Excellence

You need a good step-by-step plan to take your equipment reliability to the next level. This course will help you to develop a vision and the plan you need to get there, using tools like:

- Total Productive Maintenance
- Maintenance Mapping
- Equipment Condition Coding
- Skills Matrix
- Preventative & Predictive Maintenance
- Planning & Scheduling
- Overall Equipment Effectiveness (OEE) & other useful metrics to help you stay on track

Maintenance Managers: Bring your boss and your Production Manager to make it a TEAM effort!



Fundamentals of Maintenance Management

Leading a maintenance organization requires more than technical skill. This course explores:

- Strategies and tactics required to successfully motivate your staff to grow and excel
- Financial aspects of how you will be able to drive profitability
- Safety and Environmental concerns every manager must successfully navigate
- Systems you can implement that will bring about a culture change from reactive to proactive maintenance
- Methods critical to help keep you and your people organized and optimized
- Technical challenges of your business and how to meet and exceed them



💡 Did you know that our Maintenance programs are available for dedicated company-specific sessions? Contact your MRC Regional Director or reach out via mrcpa.org/contact to learn more.

Introduction To PM and PdM

Reliable equipment is only achievable with a proactive approach. Preventive (PM) and Predictive (PdM) maintenance are the tactical activities companies must embrace in order to achieve this.

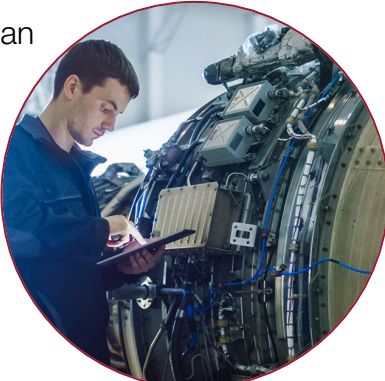
This course will teach you how to create world class preventive maintenance inspections, illustrate predictive technologies (and how you can start using them immediately) and create an effective PM and PdM program, optimize existing PMs, and show how to measure their effectiveness.



Maintenance Planning and Scheduling

A well-planned maintenance job will have a positive impact on both the MTTR (Mean Time to Repair) making the maintenance organization more effective, and the OEE (Overall Equipment Effectiveness) improving the output of the equipment.

Planning and Scheduling is the heart of a successful maintenance program. In this module you will learn the effective strategies utilized by successful maintenance organizations. You will also learn how to use data to drive the scheduling process, and the importance of a Computerized Maintenance Management System. Once you understand how the system is formed, you can then define the Key Performance Indicators to begin to measure your success.



Root Cause Analysis for Maintenance

Are you fixing the root cause of your equipment failures, or just correcting symptoms, only to have the same problem come back again and again?

Executing permanent corrective actions on equipment failures is the pathway from reactive to proactive maintenance and true reliability excellence.

Root cause analysis is a suite of many useful tools, but it takes more than learning what the tools are to make you successful. Our workshop will facilitate actual root cause analyses with your people on your processes and equipment, using the most appropriate tools.



The Methodology of Troubleshooting

Are you maintaining your equipment or repairing it? Do your people change part after part until your machinery can run again?

- Do you understand:
- What your equipment is supposed to do and why it is doing it?
 - What your equipment is supposed to do and how it should do it?
 - Troubleshooting a process that requires structured, organized thinking?

This workshop will provide you with a logical, multi-step approach to solve equipment failures quickly, efficiently and permanently using real-life breakdown scenarios.

