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OFFICE OF PROFESSIONAL DEVELOPMENT

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The **ADVANCED DIPLOMA** in

MAINTENANCE & RELIABILITY MANAGEMENT



ENROLL NOW!

MRM III: Risk and Reliability Management

January 14-18, 2019, Raleigh, NC

March 18-22, 2019, San Diego, CA

MRM I: Strategic Leadership, Planning, and Control

April 8-12, 2019, Raleigh, NC

June 17-21, 2019, San Diego, CA

MRM II: Work Flow and Materials Management

September 9-13, 2019, Raleigh, NC

November 4-8, 2019, San Diego, CA



"A good instructor can either make or break your experience in a classroom. A good instructor can motivate you and inspire you... John turned my thirst for knowledge in maintenance to hydration and I can't wait to finish this program."

— Jamie Owens,

Maintenance Coordinator, Blue Diamond Growers, Turlock, CA

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Advance your maintenance and reliability career and gain confidence in leading your maintenance organization!



Who Will Benefit Most

The challenges of today's increasingly competitive global marketplace, and in particular, modern process and manufacturing industries are complex and asset intensive. You must know how to face these challenges in a manner that maximizes uptime and minimizes operational costs. Plants and facilities need to be maintained so that process safety and asset integrity are not compromised.

This comprehensive, yet **flexible**, three-week diploma program is full of real-world examples. Increase your professional value to your organization and gain exposure to current and emerging trends. Learn from Marshall Institute's experienced professionals and network with other maintenance and reliability leaders.

- Aspiring or current leaders in maintenance and reliability, operations, production, or engineering.
- Virtually all those in industries who are responsible for maintaining physical assets, including manufacturing, process, pharmaceutical, mining, oil and gas, and facilities management, to name a few.

MRM III:

Risk and Reliability Management

January 14-18, 2019, Raleigh, NC
March 18-22, 2019, San Diego, CA

Key Topics

- Preventive Maintenance (PM)
- Reliability-Centered Maintenance/PM Optimization
- Maintenance Prevention/Reliability Engineering

Learn and Apply

- Concepts of risk management and how it relates to maintenance and reliability
- Basic principles of Reliability-Centered Maintenance and analysis tools, as a risk and reliability management strategy
- Concepts of PM Optimization and writing effective PM tasks
- Root Cause Analysis concepts and tools
- Concepts of reliability management and how they apply to maintenance

MRM I:

Strategic Leadership, Planning, and Control

April 8-12, 2019, Raleigh, NC
June 17-21, 2019, San Diego, CA

Key Topics

- Strategic Maintenance Leadership
- World Class Maintenance
- Total Productive Maintenance/Total Process Reliability

Learn and Apply

- A comprehensive maintenance and reliability framework
- Key elements of a world class maintenance and reliability program
- Fundamentals of change management
- Implementation strategies
- Concepts of developing a business plan
- Leadership principles for managers in operations, maintenance, and engineering
- Budgeting fundamentals

MRM II:

Work Flow and Materials Management

September 9-13, 2019, Raleigh, NC
November 4-8, 2019, San Diego, CA

Key Topics

- Maintenance Planning and Scheduling
- Storeroom Control
- Lean Maintenance
- Measures and Metrics

Learn and Apply

- Integration of a computerized maintenance management system (CMMS) and work processes
- Work preparation and planning
- Scheduling of maintenance activities
- Implementation of an effective and efficient storeroom operation
- Tools for identifying waste in work processes
- Equipment criticality analysis and work prioritization
- Measurement of maintenance processes

Registration Information

Attend modules in any order, in as little as 1 year or as many as 3 years



Fees

\$1,995* individual

\$1,795* each additional registration from the same organization; government employee; or when you register for all three modules at once

***If registration is not made two weeks prior to course start, fees increase by \$200.**

Your **registration fee includes** daily snacks and lunches, and training materials. **Lodging and evening meals** are not included with your registration.

How to Enroll

On-line go.ncsu.edu/mrm

Call 919.515.2261

Download a registration form go.ncsu.edu/mrm

To help us serve you better, please provide your priority code when registering. You can find this code above your name and address. Give this code even if label is addressed to someone else. Thank You!

For More Information Email...
ContinuingEducation@ncsu.edu



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Good to Know

CEU Credits

Individuals satisfactorily completing all three modules are eligible for 12 CEUs and 120 PDHs.

CMRP Exam

Participants have the opportunity to sit for the Certified Maintenance and Reliability Professional (CMRP) Exam. Email Chrissy McCamy, cmccamy@marshallinstitute.com, for CMRP Exam preparation information. Register for the exam at smp.org.

Congratulations to our recent graduates!

Graduates receive an embroidered Nike® Dri-FIT™ shirt!



Students enjoy a graduate dinner during their final module.

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The ADVANCED DIPLOMA in **MAINTENANCE & RELIABILITY MANAGEMENT**



- Earn a prestigious certificate from a top engineering school in the country
- Advance your career
- Network with industry leaders from around the world
- Prepare for the CMRP Exam

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