



NC STATE UNIVERSITY

OFFICE OF PROFESSIONAL DEVELOPMENT

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

MARSHALL  INSTITUTE
Global Leaders In Maintenance & Reliability



Advance your maintenance & reliability career and gain confidence in leading your maintenance organization.

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.



RALEIGH, NC APRIL 20 –24, 2020 | SAN DIEGO, CA TBD, 2020

MRM I: Strategic Leadership, Planning & Control

KEY TOPICS

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

LEARN & 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

RALEIGH, NC SEPT. 9–13, 2019 | SAN DIEGO, CA NOV. 4–8, 2019

MRM II: Work Flow & Materials Management

KEY TOPICS

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

LEARN & 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

RALEIGH, NC JAN. 27–31, 2020 | SAN DIEGO, CA MARCH 23–27, 2020

MRM III: Risk & Reliability Management

KEY TOPICS

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

LEARN & 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



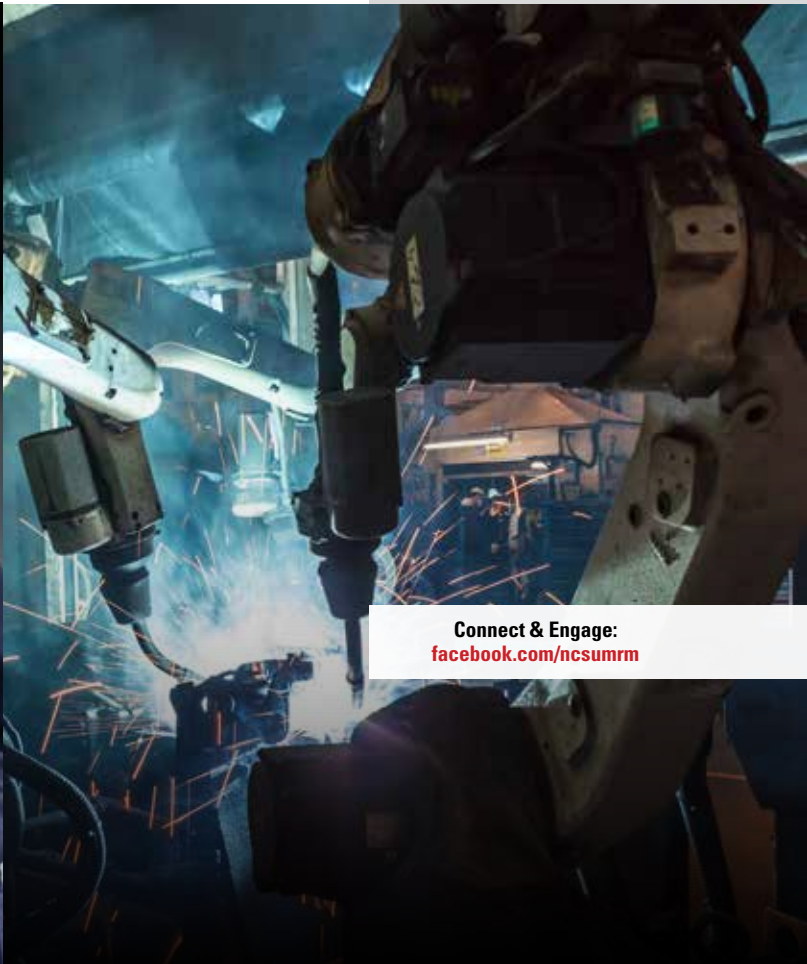
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**Attend modules
in any order in as
little as one year
or as many as
three years.**

The weekly sessions do not have to be taken in sequence, but you must complete all the requirements within a three-year period starting from the first module you take. You will receive your diploma upon successful completion of three, one-week modules on maintenance, reliability, and engineering management.

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

10 YEARS OF GRADUATES ADVANCED DIPLOMA MAINTENANCE & RELIABILITY MANAGEMENT



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Who Will Benefit Most

Aspiring or current leaders in maintenance and reliability, operations, production, or engineering.

Those in industries who are responsible for maintaining physical assets, including manufacturing, process, pharmaceutical, mining, oil and gas, and facilities management.

Program Fees

\$1,995*

Per individual, per module

\$1,795*

Per module for each additional registration from the same organization, government employees, or when you register for all three modules at once

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

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

How To Enroll

Online 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.

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, cmccam@marshallinstitute.com, for CMRP Exam preparation information. Register for the exam at smrp.org.



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THE ADVANCED DIPLOMA IN
MAINTENANCE & RELIABILITY MANAGEMENT



“I went into this training hoping to learn how I could improve my plant, but I came away with many ideas on how to improve the organization.”

Matthew Connelly, Plant Engineer, Sunoco Products Company