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

OFFICE OF PROFESSIONAL DEVELOPMENT

Advance your maintenance and 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 diploma is designed for working maintenance and reliability professionals and is based on real-world concepts, strategies, best practices and emerging trends. Learn from, and network with, Marshall Institute’s experts and fellow peers to supercharge your career and professional performance.
MRM I: Strategic Leadership, Planning & Control

RALEIGH, NC  APRIL 4 - 8, 2022  |  HOUSTON, TX  JUNE  20 - 24, 2022

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

MRM II: Work Flow & Materials Management

ONLINE  MAY 23 - 27, 2022  |  RALEIGH, NC  SEP. 12 - 16, 2022

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

MRM III: Risk & Reliability Management

ONLINE  OCT. 24 - 28, 2022

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 (RCM) 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

Office of Professional Development
Attend modules in any order in as little as one year or as many as three years.
You will earn your diploma by successfully completing the three modules, passing the exams, and completing the homework requirements within three years of finishing your first module. You can attend the modules in whichever order you prefer and any combination of in-person and online classes. This diploma is designed for working professionals.

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

<table>
<thead>
<tr>
<th>Fee Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>$1,995*</td>
<td>Per individual, per module</td>
</tr>
<tr>
<td>$1,795*</td>
<td>Per module for each additional registration from the same organization, government employees, or when you register and pay for all three modules at once.</td>
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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.

**In-person classes only

## 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 priority code 12218WB when registering.

## Good to Know

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

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“I think that the MRM series is very valuable for anyone in the maintenance and reliability field. You gain so much knowledge and so many useful tools to help better your organization.”

Amber Pratt, Transmission Assembly Manager, Raymond Corporation, Greene, NY