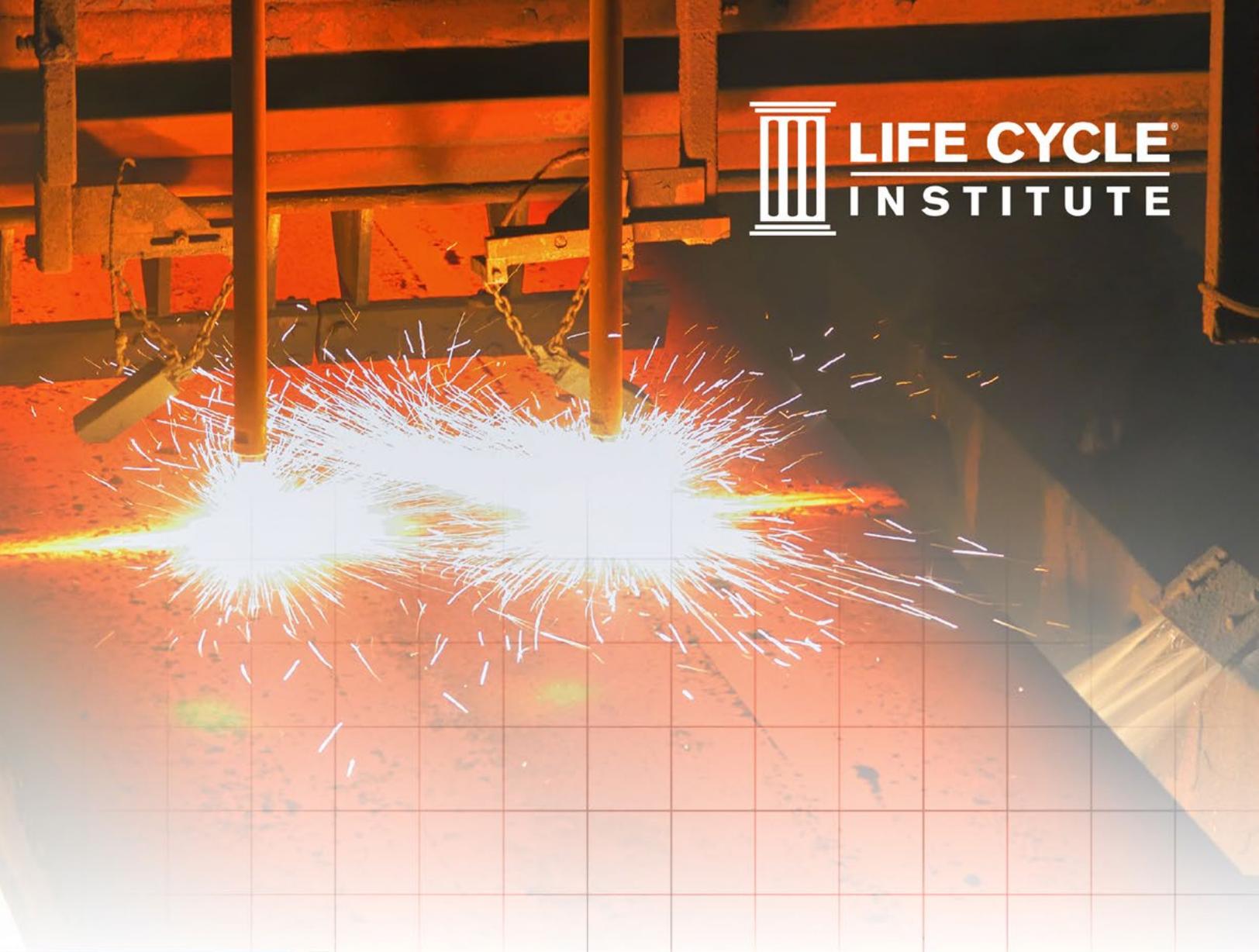




**LIFE CYCLE
INSTITUTE**



LIFE CYCLE ENGINEERING • LIFE CYCLE ENGINEERING • LIFE CYCLE ENGINEERING



**MAINTENANCE
MANAGEMENT
CERTIFICATION**

Achieve your Maintenance Management Certification (MMC) from one of the country's top engineering schools.



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

You will learn practical skills that can be applied on the job right away, demonstrate your commitment to building a solid maintenance program, and increase your value to your organization.

This certification program will enable you to:

- Build and sustain a maintenance program
- Establish appropriate maintenance KPIs and visual management dashboard
- Select the optimum equipment maintenance strategy
- Implement work management strategies that improve asset availability and utilization
- Increase maintenance personnel productivity
- Build a problem-solving culture
- Manage an effective maintenance budget

To earn a Maintenance Management Certification (MMC), candidates must complete four courses and successfully pass the Maintenance Management Certification exam within three years. At least two classes must be taken at the university granting your certification.

You will earn a total of 8.4 CEUs for all four courses taken.

Required courses:

- Maintenance Management Skills
- Managing Planning and Scheduling

Select two of the following electives:

- Predictive Maintenance Strategy
- Risk-Based Asset Management
- Root Cause Analysis
- Materials Management

The MMC exam can be taken online from your home or office at a self-selected time.

Who Should Attend

The Maintenance Management Certification is designed for maintenance managers and professionals responsible for building and sustaining a world-class maintenance program.

Required Courses

Maintenance Management Skills

Learning Objectives

- Describe the roles and goals of a maintenance manager/supervisor
- List maintenance management critical success factors
- Practice techniques to effectively manage people performance
- Implement KPIs that drive desired results
- Apply budgeting tools and processes

Managing Planning and Scheduling

Learning Objectives

- Develop an implementation plan to establish or transform a planning program
- Build a work management process flow chart and responsibility matrix
- Draft a work management program strategy: objectives, key performance measures, targets, reporting and monitoring methods
- Build performance management and development strategies for planning personnel

“ I have the appropriate tools and skill sets to push my company's maintenance program to become a world class organization. ”



Maintenance Management Certification Elective Courses

Candidates must take two electives



Materials Management

Learning Objectives

- Identify effective materials management processes
- Implement effective inventory control and warehouse best practices
- Describe how a CMMS supports materials management
- Identify contributors to total cost of materials
- Define the standard set of materials management key performance indicators

Predictive Maintenance Strategy

Learning Objectives

- Explain how predictive maintenance mitigates risk
- Describe PdM theory, application and safety factors
- Recognize visual inspection as a component of PdM
- Draft a predictive maintenance strategy
- Compare your current PdM program to best practices



Risk-Based Asset Management

Learning Objectives

- Draft an asset management plan
- Describe asset management information required to manage risk
- List ways to extend the life of assets and evaluate their effectiveness
- Use FMEA to analyze risks and map control strategies
- List key internal and external asset management partners

Root Cause Analysis

Learning Objectives

- Outline a 6-step root cause analysis process
- Outline triggers for RCA efforts
- Select and apply a range of RCA tools to solve different problems
- Use an A3 to manage and track activities



Register for the Maintenance Management Certification

Visit www.LCE.com/Institute to access our class schedule and registration fees. You may also call us at 800-556-9589 or email Education@LCE.com.

Certification courses can be taken in any order and at any location, including at your site. You may register for all courses at once or one at a time. The exam can be scheduled once all courses are complete.

Additional Life Cycle Institute Courses

- Maintenance Planning and Scheduling
- Planning for Shutdowns, Turnarounds and Outages
- Train-the-Trainer
- Reliability Engineering Excellence
- Reliability Excellence for Managers
- Reliability Excellence Fundamentals
- SMRP Body of Knowledge Guided Study

Life Cycle Institute: Changing Behavior to Produce Results®



Life Cycle Institute helps clients to reduce risk, improve performance and engage employees by changing behavior to produce results. The Institute is the human performance practice at Life Cycle Engineering (LCE), a 40-year-old engineering solutions company, and the leader in asset management and Reliability Excellence®.



LCE emphasizes a risk-based asset management approach to reliability based on international asset management standards. LCE's Asset Management System Framework confirms proper controls are in place and reliability analysis is used to promote continuous improvement.



LCE's Reliability Engineering solutions and competency-building programs help clients prioritize resources for their most critical assets, design an infrastructure for continuous improvement, and align asset life cycle management with corporate objectives.

