

COURSE DESCRIPTION: Predictive Maintenance Strategy



This course is one of the four courses that lead to the Reliability Engineering Certification program.



Condition-based maintenance is a philosophy that uses the equipment's operating condition to make data-driven decisions and improve quality, productivity and profitability. Unlike industry courses that focus on applying specific predictive technologies like vibration monitoring or oil analysis, this course focuses on establishing, managing and sustaining results from a comprehensive condition-based program.

The course considers predictive maintenance and other techniques as a component of a larger asset maintenance strategy to diagnose, prevent and postpone failures. You will learn the theory and application of multiple PdM technologies. You will review critical success factors of results-producing programs. Through group activities and case studies, you will determine which technologies to use, how to set goals for your program, track progress and practice how to communicate results to different stakeholders. By the end of the session, you will have outlined what a successful condition-based program can look like at your organization.

Learn How To:

- Explain how a combination of maintenance strategies mitigates risk and optimizes your asset maintenance plan.
- Define the purpose and benefits of CbM.
- Describe how PdM enables proactive maintenance planning and scheduling.
- Explain how to use risk mitigation to establish a condition-based maintenance program
- Make a business case to justify CbM program investment.
- Summarize benchmarks and trends in PdM/CbM disciplines.
- Summarize prevalent condition-based technologies:
 - Definition, application, tools, training, resources
 - Critical success factors
 - Pitfalls
- Describe the role of Precision Maintenance in a CbM program
- Report program results: reliability and financial value.
- Draft program action plan:
 - Program objectives
 - Application: technology, techniques, equipment
 - Measures
 - Infrastructure, resources, organizational support

Who Should Attend:

Maintenance Managers, PdM Managers, Maintenance professionals, continuing education students, and any person responsible for justifying or managing duties related to a PdM program.

What Our Students Are Saying:

"Excellent material! I was impressed with how the course stressed the importance of planning and scheduling. Additionally, my eyes were opened to the importance of specific and repeatable documented maintenance tasks."

- Joe O'Brien, Goodrich

"The facilitator is an authority in the course subject matter. He was dynamic, enthusiastic and humorous. The content was delivered in a logical manner and the facilitator made sure everyone understood."

- Brian Berg, Goodrich

Course Information:

Each course includes a comprehensive active learning manual, morning and afternoon refreshments, lunch, and the use of a fully equipped e-business center. Classes are held on Tuesday through Thursday. All students completing a class at the Life Cycle Institute will receive a certificate of completion awarding 2.1 CEU's.

Location: 4360 Corporate Road, Charleston, SC 29405

Life Cycle Institute:

Life Cycle Institute is a recognized leader in Learning, Leadership and Change Management solutions. Be prepared to be an active learner. When you invest in training with the Life Cycle Institute, you will gain knowledge and learn skills that you will be able to apply immediately. Our courses are designed to teach by doing. Your training with the Life Cycle Institute is different because we offer:

- Facilitators who practice what they teach and teach what they practice
- Course content that is constantly updated with the latest proven tools and methods
- Adult learning methods that minimize lecture and emphasize learning by doing
- Classrooms that are specifically designed to facilitate learning

Registration:

Download our class schedule for the latest class dates and course costs or contact the Life Cycle Institute at: 800-556-9589 • education@LCE.com • www.LCE.com

Private Classes:

Your training needs are unique. Unique needs may require customized, on-site training. Learn from practicing reliability professionals – on your site – at a time convenient for you – tailored for your environment. For more information please contact education at 800-556-9589 or education@lce.com.