Every single instructor that I’ve had has made practical sense of reliability but also not afraid to tackle the more complex issues that deal with reliability and the issues that we face in the industry. I can honestly say that every single aspect or fundamental teaching of reliability that I’ve learned through these courses, I’ve put to practice.

Juan Rodriguez
Facilities Equipment Engineer at Boeing
Reliability Engineering Certification Courses

Predictive Maintenance Strategy
Learning Objectives
- Explain the role of a predictive maintenance (PdM) plan
- Describe PdM theory, application and safety factors
- Recognize visual inspection as a component of PdM
- Draft a predictive maintenance strategy
- Explain how Operating Dynamics Analysis™ manages machinery/assets not monitored by traditional PdM
- Compare your current PdM program to best practices

Reliability Engineering Excellence
Learning Objectives
- Examine the Reliability Engineer role
- Define the essential components of a successful reliability program
- Investigate reliability tools and problem-solving methods
- Discuss ways to optimize your reliability program

Risk-Based Asset Management
Learning Objectives
- Describe the four phases in implementing a Risk-Based Asset Management program
- Demonstrate how to effectively classify assets
- Demonstrate methods for analyzing assets
- Map control strategies to predominant failure modes
- List key performance indicators to effectively measure control strategies
- Calculate overall equipment effectiveness

Root Cause Analysis
Learning Objectives
- Investigate the RCA methods
- Develop your RCA program
- Prepare to implement the RCA process
- Discuss the advantages and disadvantages and know when to apply PdM technologies
- Manage and be able to effectively use eight RCA tools
The 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 39-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.

Register for the Reliability Engineering Certification Program

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 work product can be added to your registration at any time during your program.

Additional Life Cycle Institute Courses

- Reliability Excellence Fundamentals
- Maintenance Planning and Scheduling
- Materials Management
- SMRP Body of Knowledge Guided Study
- Planning for Shutdowns, Turnarounds and Outages
- Reliability Excellence for Managers
- Maintenance Planning and Scheduling Online
- Reliability Centered Maintenance Online
- MRO Online
- Maintenance Management Skills
- Managing Planning and Scheduling

Life Cycle Institute: Changing Behavior to Produce Results®

The 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 39-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.