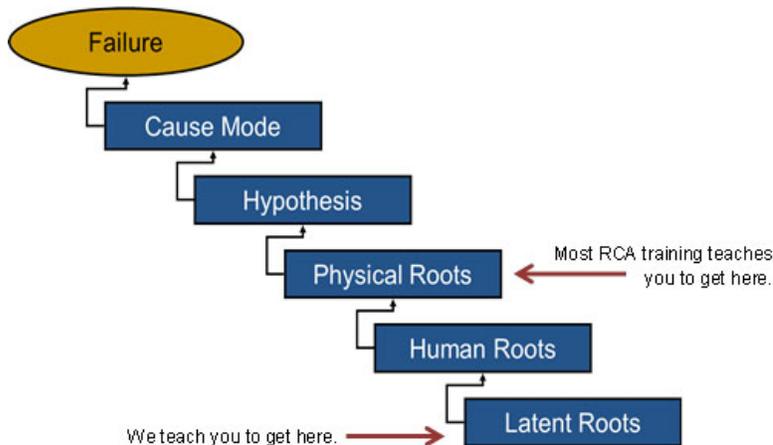


COURSE DESCRIPTION: Root Cause Analysis

Armed with what you learn in this course, you will apply a process for root cause analysis, establish a culture of continuous improvement, and create a proactive environment. Learn to ask the right questions, establish triggers that drive you to the RCA process, and perform cost-benefit analysis.

When you learn to practice true root cause analysis you are able to eliminate the latent roots and stop recurring failures once and for all. After this three-day course, you will be able to develop and implement an RCA program, thus leading your organization to reduced downtime, increased production and a more proactive culture.



Learn How To:

- Outline a 6-step root cause analysis process that promotes critical thinking, creative collaboration, countermeasure analysis and solution verification
- Explain how a robust root cause analysis program drives continuous improvement and business results
- Plan your RCA program:
 - a. Outline triggers for RCA efforts based on business case thinking
 - b. Define RCA roles and responsibilities
- Define program goals, measures and standards
- Select and apply a range of RCA tools to solve different problems:
 - 5-why
 - Design and application review
 - Ishikawa (fishbone)
 - Sequence of events
 - Fault tree analysis
 - Change analysis
 - Events and causal factors
 - FMEA
- List RCA group facilitation best practices
- Use an A3 tool to visually manage and track activities, report on and communicate RCA results

Who Should Attend:

Anyone interested in acquiring or improving advanced problem solving skills will benefit from this course. Individuals responsible for solving maintenance and reliability problems and preventing future occurrences of equipment and system failures, including: technicians, engineers, supervisors and managers.

What Our Students Are Saying:

"Excellent training. I will recommend this course to other plants and corporate."

- Anthony Nick Martinez, Temple Inland

"Everything was great. Course content was clear and easy to understand. Instructor is very knowledgeable about RCA and related subject matter and willing to assist in any way possible to inform and educate."

- Brad Cary, Sealed Air Corporation

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 Life Cycle Institute will receive a certificate of completion awarding 2.1 CEU's.

Life Cycle Institute is different because:

- 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 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.



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