ReliaSoft is the leading provider of reliability engineering training, software and services to companies worldwide. Since 1992, our expert instructors have provided education to more than 17,000 engineering professionals from more than 4,000 companies and government agencies.

Our results-oriented training courses focus on methodologies and software tools that can be employed to help your organization to:

- Improve reliability and reduce risk
- Speed time to market
- Reduce warranty costs and avoid product recalls
- Improve and protect brand image
- Optimize maintenance strategies to improve availability and reduce costs

Comprehensive Curriculum Provides Unique Combination of Theory and Software

Theoretical Foundation + Practical Application Examples + Hands-on Software Training

Our core competencies in reliability engineering theory, best practice applications and analytically powerful, software-based solutions make ReliaSoft uniquely qualified to offer a comprehensive curriculum of results-oriented reliability training seminars. Attending these seminars will empower professionals to use reliability tools and techniques in ways that can be applied to meet the challenges they face every day.

ReliaSoft’s training courses combine a solid theoretical foundation with numerous practical application examples and, when appropriate, extensive hands-on training using the “best in breed” software tools that have been designed to put the theory into practice.

“Great way to combine statistical theory as background then show you how to let the software work for you.”

- Chad Thompson
Meeting the Needs of Beginners, Experienced Practitioners and Management

These Training Courses Are Not Just for New Reliability Engineers

Over the years, ReliaSoft’s seminars have proven to be enormously effective for training individuals who are new to the field of reliability engineering — quickly bringing them up to speed on current best practices and cutting-edge software tools.

But these training courses are not just for new reliability engineers. The unique blend of theory, practical examples and software application will greatly enhance the knowledge and skill set of the practicing engineer.

At the same time, many of the available courses can be instrumental for management personnel who wish to understand the tenets and tools of the discipline.

The training courses are useful for professionals from a variety of backgrounds, including (but not limited to):

- Reliability Engineering
- Product Development
- Testing
- Quality Assurance
- After-Sales Repair and Support
- Equipment Operation
- Maintenance

Seminars Are Offered in Public Venues Worldwide and Also Available On-Site

Our Location or Yours — Training that Fits Your Company

Most of ReliaSoft’s training courses are offered as public seminars scheduled throughout the year in a variety of countries worldwide. (For example, past events have been held in Argentina, Australia, Brazil, Chile, Colombia, Cyprus, France, Germany, India, Indonesia, Italy, Malaysia, Netherlands, Peru, Poland, Singapore, Switzerland, Thailand, United Kingdom and the United States.) Visit http://Seminars.ReliaSoft.com/dates.htm for the latest public event calendar.

Our expert instructors are also available to present any of ReliaSoft’s training courses at a specified time and location that meets your organization’s needs. These on-site seminars can save time and money for your organization, especially when five or more staff members require training at the same time. The on-site venue also provides the opportunity for participants to openly discuss your organization’s particular issues, objectives and/or practical examples during the course. Visit http://Seminars.ReliaSoft.com/onsite.htm for more information about on-site training options.

Don’t Just Take Our Word For It

100% Satisfaction Guarantee

ReliaSoft’s training courses are consistently ranked as the best available in the subject area and praised for outstanding quality. But don’t just take our word for it. We invite you to review the detailed course outlines, instructor biographies, calendar of upcoming public training events and more comments from satisfied attendees on the website.

When you have selected the courses that will meet your reliability training needs, you can register online or contact one of ReliaSoft’s education coordinators for more personalized attention. We are 100% confident that ReliaSoft’s training seminars will meet and exceed your expectations. If we fail to do so, we will refund your registration fee in full!

“Overall, this seminar is excellent in terms of data analysis and software utilization. The software developed by ReliaSoft is exceptional. The instructors were knowledgeable and personable.”

- Leon Jokubaitis

“This was the best class I have had in my 23 year career. The training guide is very complete and user friendly. This class is equivalent to many of my masters degree classes.”

- Bob Nicklin

http://Seminars.ReliaSoft.com
ReliaSoft’s course catalog addresses an array of important subjects in reliability engineering and related fields. We offer a combination of introductory and advanced courses on the subjects listed in this brochure and we continue to expand our curriculum on an ongoing basis to meet the evolving needs of practitioners. These pages provide a brief summary of the courses available.

For the most up-to-date course list, detailed course outlines, instructor biographies and a calendar of upcoming public training events, please visit our website at http://Seminars.ReliaSoft.com.

**Reliability Foundations Series (RS 401, RS 402 and RS 403)**

5 Days  •  3.5 CEUs  •  8 CRP Credits  •  Assumes basic knowledge of undergraduate math/statistics.

**RS 401 - Reliability and Life Data Analysis**
Provides a comprehensive treatment on the subject of life data analysis (including Weibull analysis) as it applies to reliability engineering. ReliaSoft’s Weibull++ software is used for hands-on practical examples.

**RS 402 - Introduction to Accelerated Life Testing Analysis**
Introduces the principles and techniques of quantitative accelerated life testing (QALT) data analysis, one of the hottest subjects in reliability engineering. ReliaSoft’s ALTA PRO software is used for hands-on practical examples.

**RS 403 - Introduction to System Reliability/Maintainability Analysis**
Introduces the use of reliability block diagrams (RBDs) for system reliability, maintainability and availability analysis. ReliaSoft’s BlockSim software is used for hands-on practical examples.

**Effective FMEA Series (RS 470 and RS 471)**

5 Days  •  3.5 CEUs  •  5 CRP Credits  •  No prerequisites.

**RS 470 - Foundations of Effective FMEAs**
Provides an overview of the concepts and procedures for FMEA, FMECA and related analyses, with an emphasis on the use of ReliaSoft’s Xfmea software for data management and reporting. Topics include the FMEA process, risk assessment methods, integration with other analyses and project success factors.

**RS 471 - FMEA Facilitation and Application Skills**
Uses case study examples to allow attendees to practice FMEA facilitation and application skills. ReliaSoft’s Xfmea software is used for data management and reporting.

**FRACAS Principles and Applications**

2 Days  •  1.4 CEUs  •  3 CRP Credits  •  No prerequisites.

Introduces the fundamentals of Failure Reporting, Analysis and Corrective Action Systems (FRACAS), with an emphasis on the configuration and use of ReliaSoft’s XFRACAS software for incident reporting, failure analysis, problem resolution and other related analyses.

**RCM Principles and Applications**

3 Days  •  2.1 CEUs  •  3 CRP Credits  •  No prerequisites.

Provides an overview of the fundamental Reliability Centered Maintenance (RCM) techniques and procedures, with an emphasis on the use of ReliaSoft’s RCM++ software for data capture, analysis and reporting.

**Standards Based Reliability Prediction**

2 Days  •  1.4 CEUs  •  3 CRP Credits  •  No prerequisites.

Provides an overview of standards based reliability prediction techniques, with an emphasis on the use of ReliaSoft’s Lambda Predict software to build and analyze system configurations in accordance with a published prediction standard (such as MIL-HDBK-217, Bellcore/Telecordia or NSWC).
Application of Reliability Growth Models in Developmental Testing and Fielded Systems

3 Days  •  2.1 CEUs  •  3 CRP Credits  •  Assumes basic knowledge of undergraduate math/statistics.
Provides an overview of reliability growth analysis models and their application for data captured from developmental (reliability growth) testing and also from fielded (repairable) systems. ReliaSoft’s RGA software is used for hands-on practical examples.

Advanced Accelerated Life Testing Analysis

3 Days  •  2.1 CEUs  •  3 CRP Credits  •  Assumes completion of RS 401 and RS 402 or equivalent knowledge.
Explores advanced concepts and applications for quantitative accelerated life testing data analysis, including tests with multiple stresses or time-varying stresses. ReliaSoft’s ALTA PRO software is used for hands-on practical examples.

Advanced System Reliability/Maintainability Analysis

3 Days  •  2.1 CEUs  •  3 CRP Credits  •  Assumes completion of RS 401 or equivalent knowledge.
Explores advanced concepts and applications for system reliability/maintainability analysis and optimization utilizing a reliability block diagram (RBD) approach. ReliaSoft’s BlockSim software is used for hands-on practical examples.

Application of Fault Trees in Reliability, Maintainability and Risk Analysis

3 Days  •  2.1 CEUs  •  3 CRP Credits  •  Assumes completion of RS 401 or equivalent knowledge.
Discusses the application of fault trees for risk (safety) analysis and system reliability/maintainability analysis, with hands-on practical examples using ReliaSoft’s BlockSim software.

Simulation Modeling for Reliability and Risk Analysis

3 Days  •  2.1 CEUs  •  3 CRP Credits  •  Assumes completion of RS 401 or equivalent knowledge.
Focuses on the principles of probabilistic event and risk analysis using simulation techniques, with an emphasis on using ReliaSoft’s RENO software to build probabilistic event models utilizing flowcharts. This includes numerous hands-on case studies that address complex reliability, risk and safety analysis problems and other potential applications.

Reliability and Maintainability Analysis for Repairable Systems

5 Days  •  3.5 CEUs  •  6 CRP Credits  •  Assumes basic knowledge of undergraduate math/statistics.
Provides an overview of the ways in which reliability engineering methods can be applied for repairable system analysis and maintenance planning, including: life data analysis, recurrent event data analysis, reliability block diagrams and reliability centered maintenance. Weibull++, RGA, BlockSim and RCM++ are used for hands-on practical examples.

Fundamentals of Design for Reliability

3 Days  •  2.1 CEUs  •  3 CRP Credits  •  No prerequisites.
Provides an overview of the entire set of methods and tools that support Design for Reliability (DFR) initiatives from the initial concept through production. Topics include reliability goals, identifying critical items, quantifying and improving reliability and monitoring performance in the field.

Introduction to Reliability Concepts, Principles and Applications

1 Day  •  .7 CEUs  •  1 CRP Credit  •  Assumes basic knowledge of undergraduate math/statistics.
Provides a high-level overview of reliability engineering concepts, principles and applications as they relate to the organization’s bottom line.

DOE: Experiment Design and Analysis

3 Days  •  2.1 CEUs  •  3 CRP Credits  •  Assumes basic knowledge of undergraduate math/statistics.
Begins with the fundamentals of Design of Experiments (DOE) methods and continues with advanced concepts, principles and requirements. ReliaSoft’s DOE++ software is used for hands-on practical examples.