

Certified Reliability Professional

The Certified Reliability Professional program has been designed to distinguish professionals who have gained and successfully demonstrated unquestionable expertise in the field of Reliability Engineering.



To achieve certification, candidates must complete a series of training courses focused on important Reliability Engineering topics, successfully apply the learned body of knowledge in the workplace and publicly present this expertise in an industry conference or journal.



Achieving CRP Certification

To achieve certification, candidates must gain, apply and demonstrate undeniable expertise in the field of Reliability Engineering. There are three elements to achieving certification: **Learn, Apply** and **Present**.

First, the candidate must attend a series of reliability training courses geared toward his/her area of specialization. Second, the candidate must undertake and successfully complete a project that will apply learned concepts in the workplace. Finally, the candidate must present the project experience in an industry conference or journal. Each activity in the program earns points (called "CRP credits") toward achieving Certified Reliability Professional certification. **35 credits** are needed for certification.



Timing Requirement

All three certification requirements (35 points) must be completed within a **5-year** span.



Course Requirement (15 Points)

15 of the 35 CRP credits that are required for certification must be earned through completion of eligible training courses. In order to assure that all Certified Reliability Professionals possess the minimum required skills for performing reliability-related work, the following core curriculum is required.

CRP Core Curriculum
RS 401: Life Data Analysis (MSMT Foundations Session 1) - 4 credits
RS 402: Introduction to Accelerated Life Testing (MSMT Foundations Session 2) - 2 credits OR RS 521: Advanced QALT Data Analysis - 3 credits
RS 403: Introduction to System Reliability (MSMT Foundations Session 3) - 2 credits OR RS 522: Advanced System Analysis - 3 credits
RS 470: FMEA/FMECA - 3 credits OR RS 480: Introduction to RCM Principles and Applications - 3 credits
* For participants who are interested primarily in a maintenance focus, RS 540: Advanced Reliability Analysis for Repairable Systems (6 credits) may be substituted for the MSMT Foundations courses (RS 401, RS 402, RS 403).

Participants may then select additional courses from the **CRP Course Credit** table in order to complete the 15 credit requirement. The most up-to-date version of the eligible courses table is posted on the CRP Web site.

<http://www.ReliabilityProfessional.org/courses/>



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Project Requirement (15 Points)

The project accounts for **15 of the 35** CRP credits that are required for certification. The candidate must complete a project that demonstrates the ability to apply the learned body of Reliability Engineering knowledge in a way that will benefit his/her organization. The project consists of three stages:

- **Project Proposal** - the project proposal will be submitted to the CRP Board for preliminary approval and a Project Mentor will be assigned.
- **Mid-Way Status Report** - at a mid-way point, a status report will be submitted for review and feedback from the Project Mentor.
- **Final Report** - when the project is completed, a final report will be submitted for review and approval by the CRP Board.

More detailed information about the project requirement is available on the CRP Web site, including the necessary submission forms.

<http://www.ReliabilityProfessional.org/project/>

Publication/Presentation Requirement (5 Points)

The candidate must demonstrate his/her project experience via a paper or presentation delivered in an industry conference or journal. This accounts for **5 of the 35** CRP credits required for certification. Acceptable venues include the International Applied Reliability Symposium (ARS), the Annual Reliability and Maintainability Symposium (RAMS), the *International Journal of Reliability, Quality and Safety Engineering*, the *IEEE Transactions on Reliability*, and many others. A complete list is available on the CRP Web site and participants may suggest additional venues for consideration by the CRP Board.

<http://www.ReliabilityProfessional.org/presentation/>

Opportunities for Certifying Groups of Engineers

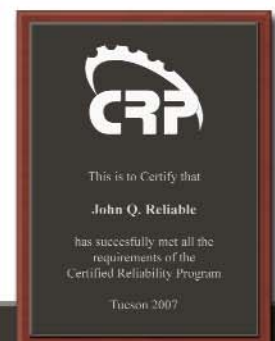
If you are an Engineering Manager interested in having large groups of engineers certified at the same time, please contact us to discuss your particular needs and develop a plan of action. We can assist you in ways that range from scheduling convenient and cost-effective on-site seminars to developing a required curriculum plan that will meet your organization's specific objectives. For example, if your organization is focused on certain, more specialized, aspects of reliability, such as Design for Reliability (DFR) or maintainability, we can work with your team to develop a detailed schedule of recommended courses to better suit those specific needs while still ensuring that all requirements for CRP certification are met.

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Tracking and Publicizing Your Certification

The CRP program uses a Web-based system to manage and track your progress toward certification. When you enroll in the program, you will receive a unique CRP Number to identify and allow you to access your account.

When you have completed all program requirements, and if you have given permission for the CRP program to publicize your achievement, a record of your certification will be published on the CRP Web site. All that will be needed to verify certification is the Web link and your CRP Number.





Certified Reliability Professional (CRP) Program

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The CRP program was initiated and is administered by **ReliaSoft**
and its partners/distributors worldwide.