



Certified Reliability Professional

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

Each activity earns points toward achieving certification (called "CRP credits"). All requirements must be completed within a 5-year span.



Learn - Course Requirement

20 of the 40 credits required for CRP certification must be earned by attending eligible training courses.

CRP Core Curriculum

In order to assure that all Certified Reliability Professionals possess the minimum required skills for reliability-related work, all participants must complete 13 credits from the CRP Core Curriculum.

If you are following the **Reliability Engineering: Product Development Track**:

- **G400** Foundations of Reliability Engineering Data Analysis & Modeling - 5 credits
- **D560** Design for Reliability (DFR) Program Planning and Implementation - 5 credits
- **G522A** System Reliability and Maintainability Analysis and Optimization - 3 credits

If you are following the **Reliability Engineering: Asset Management Track**:

- **G400** Foundations of Reliability Engineering Data Analysis & Modeling
OR **M440** Reliability and Maintainability Analysis for Repairable Systems - 5 credits
- **M560** Reliability-Based Program Planning and Implementation in Asset Management - 5 credits
- **G522A** System Reliability and Maintainability Analysis and Optimization - 3 credits

CRP Elective Courses

For the remaining 7 credits, you can select any combination of additional courses that meet your particular interests and needs. Potential subjects include FMEA, RCM, FRACAS, Standards Based Reliability Prediction, Quantitative Accelerated Life Testing, DOE and many others. The latest version of the *Reliability Education Course List* (accessible from the CRP website) provides a complete list of eligible courses, along with their CRP credit values.

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

Apply - Project Requirement

15 of the 40 credits required for CRP certification must be earned through a project that demonstrates the candidate's ability to apply the learned body of knowledge in a way that will benefit his/her company. The project consists of three stages:

- **Project Proposal** - before initiating the project, the proposal will be submitted to the CRP Board for preliminary approval and a Project Mentor will be assigned.
- **Mid-Way Status Report** - mid-way through the project, 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.

For more detailed information about the project requirement, including the necessary project proposal and progress report forms, please visit the CRP website.

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

Present - Presentation Requirement

5 of the 40 credits required for CRP certification must be earned by publishing a paper or delivering a presentation in an industry conference or journal. The paper/presentation must demonstrate the candidate's experience from completing the CRP project.

Acceptable venues include the Applied Reliability and Durability Conference (ARDC), the Annual Reliability and Maintainability Symposium (RAMS), *International Journal of Reliability, Quality and Safety Engineering*, *IEEE Transactions on Reliability*, and many other conferences and journals.

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

Program Administration and Group Certification

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

The program provides a web-based system for participants to manage and track their progress toward certification. When you have completed all program requirements, a record of your certification can be published on the CRP website. All that will be needed to verify certification is the web link and your unique CRP Number.

We also provide support for Engineering Managers who wish to develop a plan to certify a group of engineers at the same time while meeting the organization's specific training objectives. For example, if your organization is focused on certain, more specialized, aspects of reliability (such as Design for Reliability Asset Performance Management), we can work with your team to develop a detailed schedule of recommended courses to better suit those specific needs while ensuring that all requirements for CRP certification are met. For details, please contact CRPAdmin@ReliaSoft.com or the ReliaSoft office that serves your region.



<http://www.ReliabilityProfessional.org>