

IEEE COMPUTER SOCIETY SOFTWARE PROFESSIONAL CERTIFICATION

BRING THE NEW STANDARD FOR SOFTWARE EXCELLENCE

Demand for verified skill has never been higher. IEEE Computer Society's newly launched **Software Professional Certification** program validates candidates' understanding of software principles across the entire product lifecycle, to show job-readiness and signal ability to contribute to projects on a team.



For students, recent graduates, early-career software professionals to demonstrate job-readiness as an individual contributor with guidance.



For experienced professionals ready to move forward by establishing the ability to lead teams or deliver complex software projects independently.

CERTIFICATION MAKES A DIFFERENCE

- **Boost Placement Rates:** Give your graduates a competitive edge with a "Job-Ready" signal from the world's leading professional organization in computing.
- **Industry Preparedness:** Validating your student's knowledge with a certification shows that your curriculum aligns students to global industry expectations.
- **Market Differentiation:** Position your department as a forward-thinking program that prioritizes professional outcomes alongside academic excellence.
- **De-Risking New Graduates:** Employers trust IEEE Computer Society to help filter for candidates who understand quality, design, and team-based contribution.

Reach Out to Get Started

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An IEEE Computer Society Certified Software Professional has really learned the full cycle as an engineer. No other certification covers the same full spectrum of topics for software engineering.

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SOFTWARE ENGINEER

Upon passing, candidates will receive an official certification. The Level 1 certification is valid in perpetuity; Level 2 certification remains valid for 3 years, after which recertification is required.

- **Exam & Course Availability:** 1 year from date of purchase*
- **Delivery:** Online, Remotely proctored
- **Results:** Immediately
- **Recommended Language Competency:** English fluency, especially for industry terminology



QUALIFICATIONS

- **Recommended Education:** 2+ years in Software Engineering, Computer Science, or related field
- **Recommended Work Experience:** None required
- **Expected Capabilities:** Ready to contribute on a team with guidance
- **Technology Knowledge Requirement:** Should know the stack used in the team/project

EXAM INFORMATION

- **Exam Format:** 80 multiple-choice and scenario-based questions
- **Question Types:** Applied knowledge, logic, debugging
- **Exam Duration:** 100 minutes
- **Passing Score:** 69%

EXAM PREPARATORY COURSES

IEEE Computer Society offers optional exam preparatory courses to help candidates understand the exam format and structure. Candidates are expected to study and master the required knowledge areas independently (See “**Knowledge Areas Covered**” to the right).

*Retesting and rescheduling available and may come with additional fees



QUALIFICATIONS

- **Recommended Education:** 4+ years in Software Engineering, Computer Science
- **Recommended Work Experience:** 5+ years relevant software experience
- **Expected Capabilities:** Deliver complex projects or lead small teams
- **Example Role Fit:** Technical Lead, Senior Engineer, Independent Developer
- **Technology Knowledge Requirement:** Proficiency in relevant stack/domain

EXAM INFORMATION

- **Exam Format:** 180 multiple-choice, case studies, and design-based questions
- **Question Types:** Deep analysis, system design, leadership decisions
- **Exam Duration:** 210 minutes
- **Passing Score:** 73%



Candidates are tested on the latest knowledge areas created by top industry and academic professionals in the field as outlined in the **Software Engineering Body of Knowledge (SWEBOK)**.

Certified Software Professionals show they have the knowledge necessary to succeed in software engineering not tied to any specific company or product, which are applicable in any company, team, stack, and/or project.

KNOWLEDGE AREAS COVERED:

1. Software Requirements
2. Software Architecture**
3. Software Design
4. Software Construction
5. Software Testing
6. Software Engineering Operations
7. Software Maintenance
8. Software Configuration Management
9. Software Engineering Management
10. Software Engineering Process
11. Software Engineering Models and Methods
12. Software Quality
13. Software Security
14. Software Engineering Professional Practice
15. Software Engineering Economics
16. Computing Foundations
17. Mathematical Foundations**
18. Engineering Foundations

For more information, visit
computer.org/swebok



**Level 2 Professional Software Certification only