

Engineering Principles

About this capstone certification

The Engineering Principles capstone certification is a comprehensive certification earned upon successful completion of the following required stackable certifications. This structure validates a candidate's skills across the core areas of the profession and demonstrates readiness for advanced roles.

Required certification exams	Items
Exams may be completed in any order.	
Engineering Principles 1	34
Engineering Principles 2	33

Capstone certification description

The Engineering Principles capstone assesses candidates' understanding of fundamental concepts across multiple engineering disciplines and their ability to apply problem-solving strategies. Engineering Principles 1 focuses on core knowledge in math and science as it relates to engineering, emphasizing analytical and problem-solving skills. Engineering Principles 2 expands on this foundation with hands-on learning, applying engineering concepts to real-world projects, and exploring how engineering knowledge connects to occupational opportunities. Together, the certifications validate readiness for continued study in engineering pathways or technical career roles.