Available as a capstone certification

Mechanical Design

About this capstone certification
The Mechanical Design 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 Exams may be completed in any order.	Items
Mechanical Design 1	56
Mechanical Design 2	40
Mechanical Design 3	34

Capstone certification description
The Mechanical Design capstone assesses candidates' progression from fundamental technical drawing to advanced 3D modeling and prototyping. Mechanical Design 1 introduces the planning and preparation of scale and isometric drawings. Mechanical Design 2 builds on this foundation, focusing on proficiency in both 3D modeling and 2D technical drawings. Mechanical Design 3 advances to professional-level competencies, evaluating candidates' ability to create working drawings and prototypes while applying knowledge of mechanical components such as threads, fasteners, and welding symbols. Together, these certifications validate comprehensive readiness for mechanical design, drafting, and engineering-related careers.