

Robotics

About this capstone certification

The Robotics 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

[Robotics 1](#)

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[Robotics 2](#)

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Capstone certification description

The Robotics capstone assesses candidates' ability to design, build, program, and control robotic devices. Robotics 1 introduces fundamental concepts in mechanical design, electrical systems, sensors, and actuators while emphasizing prototype development and engineering documentation. Robotics 2 builds on this foundation with advanced applications in robotic design, testing, and programming, requiring candidates to demonstrate control systems and problem-solving in real-world contexts. Together, the certifications validate technical readiness for pathways in robotics, automation, and engineering technology.