

Architectural Design

About this capstone certification

The Architectural 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

[Architectural Design 1](#)

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[Architectural Design 2](#)

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[Architectural Design 3](#)

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Capstone certification description

The Architectural Design capstone assesses candidates' ability to use computer-aided design (CAD) tools and apply architectural principles to real-world projects. Architectural Design 1 introduces blueprint reading and 2D/3D CAD drafting through the design of a small residential home. Architectural Design 2 builds on that foundation by advancing to full 3D CAD modeling of a small residential structure, with an emphasis on construction methods, materials, building codes, and Building Information Modeling (BIM). Architectural Design 3 pushes further into professional practice by focusing on the design and 3D CAD modeling of a small commercial building, integrating knowledge of commercial construction materials and standards, building codes, and BIM. Together, these certifications confirm readiness for pathways in the AEC industry, equipping candidates with both foundational and advanced skills in architectural design and drafting.