

# Associate of Applied Science in Architectural and Engineering Technology

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## Program Student Learning Outcomes

Students graduating with an Associate of Applied Science in Architectural and Engineering Technology will be able to:

- Demonstrate skill and proficiency in computer-aided drafting and design (CADD) and 3-D modeling
- Demonstrate knowledge of drawing conventions including symbols, line types, line weights, and dimension styles as applicable to the design discipline
- Visualize and translate drawing information to actual physical objects and completed construction components
- Demonstrate an understanding of the role and purpose of building codes and standards as they pertain to the life, health, and safety of the public
- Demonstrate an understanding of the role, duties, and responsibilities of design team members
- Demonstrate an understanding of the elements of the construction document set and the role of construction documents as communication tools for the construction contract
- Demonstrate an understanding of the construction process from the transformation of an idea or need into a completed project
- Demonstrate communication skills to be successful in the employment environment
- Demonstrate critical thinking and problem-solving skills in the employment environment