

Architectural Design Technology

Program Mission Statement

The Architectural Design Technology A.A.S. degree program provides an academic and technical foundation for individuals for employment in the architectural, building construction and design profession. Topics may include building design fundamentals, construction document preparation, building information modeling, sustainable design, building systems and building practices.

Program Educational Objectives

Program Educational Objectives are based on student achievement 2-3 years after graduation. The Program Educational Objectives are:

PEO-1 attain successful and productive Architectural Engineering Technology or related careers with attention to ethical standards and effective communication;

PEO-2 engage in life-long learning activities, such as continued studies and/or professional workshops and conferences

PEO-3 engage in professional service, such as participation in professional society and/or community service

The Architectural Design Technology faculty members periodically review these objectives. As part of this review process, the faculty members encourage comments from all interested parties including current students, alumni, prospective students, faculty, employers of graduates, those who admit our graduates to other programs, members of related professional organizations, and colleagues from other educational institutions. Please send comments to our program coordinator Robert Tom, rtom@southwest.tn.edu.

Student Outcomes

Graduates of Architectural Design Technology programs will have the technical and managerial skills necessary to enter careers in the planning, design, construction, operation or maintenance of the built environment. Graduates of associate degree programs are prepared for careers in the construction, testing, operation, and maintenance of building systems; they have the abilities to produce and utilize basic construction documents and to perform basic analysis and design of system components.

SO-1 an ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline;

SO-2 an ability to design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to the discipline; and employment of architectural theory and design in a design environment;

SO-3 an ability to apply written, oral, and graphical communication in well defined technical and non-technical environments; and an ability to identify and use appropriate technical literature

SO-4 an ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results; and

SO-5 an ability to function effectively as a member of a technical team.