

Program Information

The Anoka Technical College Architectural and Construction Technician Diploma is a 45-credit program that consists of skills and technology which can be applied to a wide variety of careers in the design-construction industry including employment with architectural and engineering firms, residential builders and construction material suppliers.

The Architectural and Construction Technology program consists of technical courses designed to develop skills related to the fields of architecture, engineering, contracting, and other design-construction fields.

In addition to drafting and detailing skills, the student receives training in related areas such as construction estimating, building codes, building mechanical and electrical systems, as well as emerging technologies in energy-efficient design. Students receive hands-on training in industry standard computer-aided drafting software (AutoCAD), building information modeling (BIM) technology.

Program Learning Outcomes

- Demonstrate residential construction materials and methods knowledge.
- Demonstrate commercial construction materials and methods knowledge.
- Execute program/industry drafting standards for residential construction drawings.
- Execute program/industry drafting standards for commercial construction drawings.
- Demonstrate entry level CAD/Revit proficiency for the industry.
- Demonstrate understanding of the roles and responsibilities of an entry level architectural, electrical, structural, mechanical, or civil technician.

Industry and Career Outlook

Graduates of the Architectural and Construction Technician diploma program learn skills and technology which can be applied to a wide variety of careers in the design-construction industry, including employment with architectural and engineering firms, residential builders and construction material suppliers.

Drafters who gain experience and knowledge may become design drafters or senior drafters. With additional training or experience, drafters may also move into related positions, such as technical writer, sales engineer, or engineering assistant.

Wage information is available from the [Minnesota Department of Employment and Economic Development](#)

Program Start Dates

Fall Semester.....August
Spring SemesterJanuary**
***Students who start in the spring will need more time to complete due to course prerequisites.*

Course Prerequisites

Some courses in this program may require a prerequisite. Please see [course descriptions](#) for more details.

Program Sequence

Fall Semester	10
<input type="checkbox"/> ARCH 1000 Residential Construction.....	2	
<input type="checkbox"/> ARCH 1002 Construction Print Reading.....	2	
<input type="checkbox"/> ARCH 1040 Residential Graphics.....	1	
<input type="checkbox"/> ARCH 1043 Architectural CAD I.....	3	
<input type="checkbox"/> CEST 1030 Project Management for Estimators.....	2	
Spring Semester	10
<input type="checkbox"/> ARCH 1004 Introduction to Architectural Profession.....	2	
<input type="checkbox"/> ARCH 1015 Commercial Construction.....	2	
<input type="checkbox"/> ARCH 1045 Commercial Graphics.....	1	
<input type="checkbox"/> ARCH 1052 Architectural CAD II.....	3	
<input type="checkbox"/> ARCH 2025 Revit Architectural 3D CAD.....	2	
Fall Semester	14
<input type="checkbox"/> ARCH 2005 Residential CAD Studio.....	4	
<input type="checkbox"/> ARCH 2027 Intermediate Revit 3D CAD.....	2	
<input type="checkbox"/> ARCH 2070 Commercial Design.....	2	
<input type="checkbox"/> ARCH 2085 Structural Technology.....	3	
<input type="checkbox"/> CEST 1000 Construction Estimating I.....	3	
Spring Semester	11
<input type="checkbox"/> ARCH 1031 Building Systems.....	2	
<input type="checkbox"/> ARCH 2029 Advanced Revit 3D CAD.....	3	
<input type="checkbox"/> ARCH 2055 Commercial CAD Studio.....	3	
<input type="checkbox"/> CEST 1010 Construction Estimating II.....	3	

Graduation Requirements

Students must earn a cumulative 2.0 GPA or higher to be eligible for graduation from this program.

Faculty Contact

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[Dawn Wirtz](#)

For information on how to apply, to schedule a tour, or for service during summer hours, contact Enrollment Services at 763-576-7710 or EnrollmentServices@anokatech.edu

Also see: Architectural Technology AAS, Architectural 2D CAD, and Construction Estimating certificate



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