

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 receive 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 and Revit).

Program Learning Outcomes

By completing this program, students will achieve the following learning outcomes.

1. Students will demonstrate residential construction materials and methods knowledge.
2. Students will demonstrate commercial construction materials and methods knowledge.
3. Students will execute program/industry CAD drafting standards for residential construction drawings.
4. Students will execute program/industry CAD drafting standards for commercial construction drawings.
5. Students will demonstrate entry level CAD proficiency for the industry.
6. Students will demonstrate understanding of the roles and responsibilities of an entry level architectural CAD technician.

Course Prerequisites

Some courses may require appropriate test score or completion of basic math, basic English and/or reading courses with a “C” or better.

Graduation Requirements

All Anoka Technical College students seeking an Associate in Applied Science (AAS), diploma, or certificate must meet the cumulative grade point average (GPA) of 2.0 or higher.

Transfer Opportunities

To see how credits from this program may transfer into other Anoka Technical College programs or into a program at another college, visit:

- [Minnesota Transfer](http://www.mntransfer.org/students/plan/s_agreements.php?numResults=25&archive=false&from_inst=70&from_prog=&to_inst=&Search=Search): (www.mntransfer.org/students/plan/s_agreements.php?numResults=25&archive=false&from_inst=70&from_prog=&to_inst=&Search=Search)

[Anoka Technical College transfer student](http://www.anokatech.edu/BecomeStudent/Transfers.aspx) (www.anokatech.edu/BecomeStudent/Transfers.aspx)

Industry Information

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.

Wages/Outlook/Advancement

Wage information is available from the [Minnesota Department of Employment and Economic Development](https://mn.gov/deed/job-seekers/job-outlook/) (https://mn.gov/deed/job-seekers/job-outlook/).

Gainful Employment

Follow this link for a [Gainful Employment Report](#).

Technical Education: 45 Credits

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

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

(continued)

2019-2020

Architectural & Construction Technician

Diploma

Start Dates

Fall Semester August
Spring Semester January**

***Students who start in the spring will need more time to complete this program. Limited first semester technical courses are offered in the spring semester.*

Faculty Contact

[Jay Boyle](mailto:Jay.Boyle@anokatech.edu) 763-576-4056

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

Sample Program Sequence

Full Time

		Fall Semester	Spring Semester	
1st YEAR	ARCH 1000	2	ARCH 1004	2
	ARCH 1002	2	ARCH 1015	2
	ARCH 1040	1	ARCH 1045	1
	ARCH 1043	3	ARCH 1052	3
	CEST 1030	2	ARCH 2025	2
	TOTAL	10	TOTAL	10
2nd YEAR	Fall Semester		Spring Semester	
	ARCH 2005	4	ARCH 1031	2
	ARCH 2027	2	ARCH 2029	3
	ARCH 2070	2	ARCH 2055	3
	ARCH 2085	3	CEST 1010	3
	CEST 1000	3	TOTAL	11
TOTAL	14			