

**Program Information**

The Anoka Technical College Associate of Applied Science (AAS) degree in Architectural Technology is a 60-credit program. The program consists of technical courses designed to develop skills 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 supplies.

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 an 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 Technology AAS degree 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/).

**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

**General Education/MnTC Requirements: 15 Credits**

Fifteen (15) general education credits of Minnesota Transfer Curriculum (MnTC) are required. MnTC credits must be from three different goal areas. Student is required to take:

- General Education/MnTC Courses..... 15
- Refer to the Anoka Technical College website for a list of the MnTC goal areas.

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

(continued)

2019-2020

# Architectural Technology

Associate of Applied Science (AAS) Degree

## 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](mailto:EnrollmentServices@anokatech.edu)

## Sample Program Sequence:

\*Full Time

		Fall Semester	Spring Semester
<b>1<sup>st</sup> YEAR</b>		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
		<b>TOTAL ..... 10</b>	<b>TOTAL ..... 10</b>
<b>2<sup>nd</sup> YEAR</b>		<b>Fall Semester</b>	<b>Spring Semester</b>
		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	<b>TOTAL ..... 11</b>
	<b>TOTAL ..... 14</b>		

\*Does not include General Education/MnTC credits. Students are required to complete 15 MnTC credits from three different goal areas.