



Pine Technical & Community College

# Construction Technology

- Associate of Applied Science
- Diploma

The Construction Technology diploma will provide students with a broad background in foundational construction industry skills such as safety practices; use of hand and power tools; reading construction documents (i.e. drawings, specifications); project management; and basic electrical, carpentry, plumbing, HVAC, machining, and welding skills. Small community-based projects will provide the opportunity to apply these skills. Students will be introduced to several construction careers through site visits and subject matter expert guest lecturers to assist in choosing the right career path. The four primary trades highlighted in this program include carpentry, electrical, plumbing, and heating, ventilation and air conditioning (HVAC).

Building on the skills learned in the 1-year diploma, the AAS degree provides students with specific, advanced skills through immersive work-based learning experiences at industry partner job site(s). The AAS program also provides students with pathways to continue their education to a bachelor's degree in Applied Engineering, Applied Management, or Project Management.

## Recommended Course Sequence for Completion in 2 Years

### Fall Semester 1

CONS 1100 Introduction to Construction Careers.....	2
CONS 1201 Principles of Construction & Tool Safety .....	3
CONS 1250 Building Plans, Specifications & Codes .....	2
CONS 1310 HVAC, Plumbing & Electrical Systems.....	4
CONS 1320 Basic Building Design.....	2
MATH 1251 Technical Math.....	3
<b>Total Credits</b> .....	<b>16</b>

### Spring Semester 1

CONS 1350 Site Preparation & Safety.....	3
CONS 1400 Construction Interiors.....	3
CONS 1450 Construction Exteriors.....	3
ENGL 1277 Technical Communications or ENGL 1276 College Composition.....	4
MnTC Goal Area 3-10 .....	3
<b>Total Credits</b> .....	<b>16</b>

### Fall Semester 2

CONS 2101 Construction Internship 1.....	4
CONS 2210 Advanced Building Systems .....	4
CONS 2215 Advanced Construction Principles.....	4
CONS 2230 Construction Project Planning .....	3
<b>Total Credits</b> .....	<b>15</b>

**Construction Technology Diploma Earned!**

### Spring Semester 2

COMM 1100 Introduction to Communications .....	3
CONS 2151 Construction Internship 2.....	3
CONS 2290 Construction Technology Capstone .....	4
MnTC Goal Area of Choice.....	3
<b>Total Credits</b> .....	<b>13</b>

**TOTAL DEGREE CREDITS** ..... **60**

**Construction Technology AAS Earned!**

## Career Outlook

Graduates from the Construction Technology programs are in high demand, with a current demand rating of 5-stars for all four of the highlighted construction trades. The median hourly wage is \$26.00 per hour in our region. The construction field is predicted to increase by 8.6% through 2026, making the Construction Technology diploma or AAS a great choice for your career path!

[www.pine.edu/apply](http://www.pine.edu/apply)

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\*Check with our Transfer Specialist to determine if any knowledge or skills learned outside of the classroom may qualify for Credit for Prior Learning (CPL) college credit.