

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, and HVAC 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 lectures 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 in their chosen trade through immersive work-based learning experiences at industry partner job site(s). As employees of the company, students will “earn while they learn” as they complete their internship classes. 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.

COLLEGE CATALOG 2025-26

## 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
ENGL 1277 Technical Communications or ENGL 1276 College Composition.....	4
<b>Total Credits</b> .....	<b>17</b>

### Spring Semester 1

CONS 1350 Site Preparation & Safety.....	3
CONS 1400 Construction Interiors.....	3
CONS 1450 Construction Exteriors.....	3
MATH1251 Technical Math.....	3
MnTC Goal Area 3-10 .....	3
<b>Total Credits</b> .....	<b>15</b>

### Fall Semester 2

♦CONS 2101 Construction Internship 1 .....	4
<b>Construction Technology Diploma Earned!</b>	
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>

### Spring Semester 2

CONS 2251 Construction Internship 2.....	3
CONS 2290 Construction Technology Capstone .....	4
COMM 1100 Introduction to Communications .....	3
MnTC Goal Area of Choice.....	3
<b>Total Credits</b> .....	<b>13</b>

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

**Construction Technology AAS Earned!**

♦Can be taken in Summer Semester 1

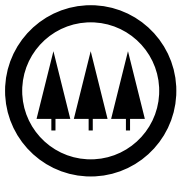
\*Pending Minnesota State approval

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

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## 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!



# Pine Technical & Community College

## Get the Credit You Deserve!

### What is Credit for Prior Learning (CPL)?

Pine Technical & Community College (PTCC) values learning that happens outside of the classroom. Many students enrolling at PTCC bring with them a wealth of knowledge and real-world experiences that can be turned into college credit.

### Ways students can gain Credit for Prior Learning:

- Job skills and work experience
- Employer training programs
- Volunteer or community services
- Self-study
- Military education and occupations
- Industry certifications
- High school articulate college credit
- Standardized exams

### Earning Credit for Prior Learning is Easy

1. Visit the CPL website at [mycpl.minnstate.edu](http://mycpl.minnstate.edu) to see a full list of eligible courses, requirements, and assessment methods to determine if CPL is right for you.
2. Reach out to [records@pine.edu](mailto:records@pine.edu) to discuss CPL opportunities, payment (if required), and assessment information.

## New to PTCC? Visit Campus!

- Take a campus tour
- Learn about scholarships
- Meet the admissions team
- Tour housing and The REC

### Book an appointment to explore PTCC!

Sign up to visit in person, or virtually, to learn more about PTCC programs, admissions requirements, housing options, and more.



[pine.edu/visit](http://pine.edu/visit)