



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 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.

Recommended Course Sequence for Completion in 2 Years • 2021-2023

Fall Semester 2021

| | |
|---|-----------|
| CONS 1100 Introduction to Construction Careers..... | 2 |
| CONS 1200 Principles of Carpentry and Tool Safety..... | 3 |
| CONS 1250 Building Plans, Specifications, and Codes..... | 2 |
| CMAE 1514 Safety Awareness..... | 2 |
| ENGL 1277 Technical Communications or ENGL 1276 College Composition..... | 4 |
| CCPD 1010 Success Strategies for College & Prof. Dev. | 2 |
| Total Credits | 15 |

Spring Semester 2022

| | |
|---|-----------|
| WELD 1501 Introduction to Welding..... | 3 |
| CONS 1300 Introduction to Building Systems..... | 4 |
| AENG 2230 Manufacturing Project Management..... | 3 |
| MTTP 1201 Basic Machine Shop | 3 |
| MATH 1251 Technical Math..... | 3 |
| Total Credits | 16 |

Construction Technology Diploma Earned!

Fall Semester 2022

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|--|-----------|
| CONS 2100 Construction Internship IA..... | 4 |
| CONS 2200 Construction Internship IIA..... | 4 |
| COMM 1100 Introduction to Communication..... | 3 |
| MnTC Goal Area 3-10 | 3 |
| Total Credits | 14 |

Spring Semester 2023

| | |
|--|-----------|
| CONS 2150 Construction Internship IB..... | 4 |
| CONS 2250 Construction Internship IIB..... | 4 |
| CONS 2290 Construction Technology Capstone | 4 |
| MnTC Goal Area of Choice..... | 3 |
| Total Credits | 15 |
| 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!

See www.pine.edu/programs/career-and-gainful-employment-information for gainful employment and career information.

www.pine.edu/apply