The Architecture and Construction Career Cluster prepares students for careers in designing, planning, managing, building and maintaining the built environment. Examples of careers include drafters, electricians, construction managers and plumbers.

**SECONDARY**

**ENROLLMENT**

22,430

Enrollments in High School Programs

+ 2,026

Enrollments in Middle School Programs

= 24,456

**TOP CERTIFICATIONS EARNED BY K-12 STUDENTS**

1st
Autodesk Certified User - AutoCAD

2nd
HBI Preapprenticeship Certificate Training (PACT), Core

3rd
Autodesk Certified User - Revit Architecture

4th
HBI Preapprenticeship Certificate Training (PACT), Core Green

5th
NCCER Carpentry - Level 1 (Secondary)

**TOP HIGH SCHOOL PROGRAMS**

- Building Trades/Construction (7,805)
- Building Construction Technologies (4,451)
- Carpentry (2,464)
- Drafting (2,381)
- Air Conditioning, Refrigeration & Heating Technology (1,614)

**ARTICULATION PATHWAY TO COLLEGE**

- Autodesk Certified User - Revit Architecture
  - Articulates 3 credits
- Building Construction Technology A.S. Degree
  - $320.70 in State College Tuition Savings
DISTRICT POSTSECONDARY ENROLLMENT

17,878 Enrollment
33 Districts

46% Career Certificate
54% Apprenticeship

COLLEGE SYSTEM ENROLLMENT

6,066 Enrollment
23 Colleges

37% Associate in Science
36% Apprenticeship
1% Associate in Applied Science
10% College Credit Certificate
16% Career Certificate

TOP CERTIFICATIONS

1ST
HVAC Excellence Employment Ready - Electrical

2ND
HVAC Excellence Employment Ready - Air Conditioning

3RD
HVAC Excellence Employment Ready - Heat Pump

1ST
HVAC Excellence Employment Ready - Heat Pump

2ND
NCCER Electrical - Level 4 (Postsecondary)

3RD
Autodesk Certified User - AutoCAD

TOP PROGRAMS

Electrician (APPR) (4,419)

HVAC Excellence Employment Ready - Electrical

Building Construction Technology (AS) (733)

Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) (CAR) (3,814)

Architectural Design & Construction Technology (AS) (677)

Electricity (CAR) (2,216)

Heating, Ventilation, Air-Conditioning Refrigeration (HVAC/R) (CAR) (655)

Plumbing Technology (APPR) (1,272)

Computer-Aided Drafting and Design (CCC) (366)

Air Conditioning, Refrigeration and Heating Technology (APPR) (1,017)

EMPLOYMENT OUTLOOK

HIGH WAGE
$22.25 Per Hour Mean Wage

HIGH GROWTH
1.87% Annual Growth Rate

ANNUAL OPENINGS
8,240 Annual Openings

Structural Iron and Steel Workers

Notes: Based on 2021-2022 data.