

# Architecture & Construction

## Build your world

The Architectural Drafting & Design and Carpentry programs of study introduce students to the foundational skills needed to design, build, and repair structures. Students learn to read and create blueprints, construct wood-based frameworks and fixtures, and work with tools and machinery to bring building plans to life—preparing them for careers in architecture, construction, and skilled trades.

**The Architecture and Construction Career Pathway focuses on designing, planning, managing, building and maintaining the built environment.**

### PROGRAMS OF STUDY

Architectural Drafting & Design

### INTRODUCTION COURSE

Principles of Architecture  
Principals of Construction

### CONCENTRATION COURSE

Architectural Design I  
Interior Design I

### CONCENTRATION COURSE

Architectural Design II,  
and/or  
Interior Design II

### ADVANCED COURSE

Practicum in  
Architectural Design  
Career Preparation for  
Programs of Study  
Practicum Interior Design

Carpentry

Principles of Architecture  
Principles of Construction

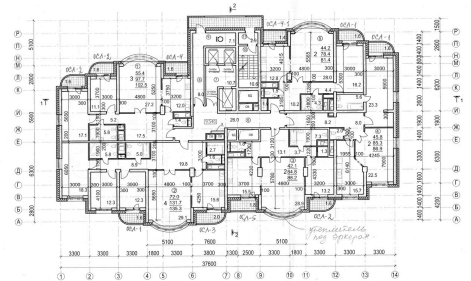
Construction  
Technology I

Construction Technology II  
Mill and Cabinetmaking  
Technology

Practicum in  
Construction Technology  
Career Prep I

## Industry-Based Certifications

- Autodesk Associate (Certified User) Revit Architecture
- NCCER Core
- NCCER Carpentry Level I



## Exploration Activities

- Participate in SkillsUSA
- Shadow a carpenter or millwright

## Work-based Learning

- Intern at an architecture firm to develop CADD drafting and design technology skills
- Shadow a civil engineer to learn more about their day-to-day responsibilities
- Obtain an NCCER certification in Millwright Level 1 or Carpentry Level 1

