

What is the Architecture and Construction Pathway?

The architecture and construction pathway refers to career fields related to infrastructure and building design. This includes programs of study on subjects such as:

- Designing new buildings and spaces
- Restoring old buildings and developing new ways to use existing buildings or structures
- Alteration, repair, restoration, maintenance, extension, demolition or dismantling of buildings or structures

What careers are in the Architecture & Construction Career Pathway?

[Architecture & Construction Career Pathway](#)
[MadREP Region 2023-2025](#)

High School Diploma	Tech College Certificate or Associate's Degree	Bachelor's Degree and Above (4+ years of study)
Construction Laborer Highway Maintenance Groundskeeper & Gardner Roofer Tile Setter Fence Builder Grading & Leveling Machine	HVAC Technician Carpenter Electrician Plaster Electrical Engineering Architectural Drafter Cement Mason Glazier Plumber Bricklayer Drywall Installer	Architect Civil Engineer Building Contractor Cost Estimator Interior Design C.A.D Designer Electrical Engineer Landscape Architect

*This document is subject to change.

*This document is not a complete list.

Graduation Requirements

Math

Algebra I
Geometry
Algebra II

*3 Total Credits

English

English 9
English 10
English 11
Senior English

*4 Total Credits

Social Studies

Western Civ
U.S History
Choices in AM
Dem

*3 Total Credits

Science

Intro to Physics
Biology
Chemistry

*3 Total Credits

Other

Health
(Financial Literacy
.5 Total Credits)
(Physical Education
1.5 Total Credits)

25 Total Credits Needed to Graduate

9th Grade

Possible Electives

Woods Manufacturing
CADD Revit
Advanced CADD
Home Maintenance &
Repair
Metals Manufacturing
Process

10th Grade

Possible Electives

Woods Manufacturing
CADD Revit
Advanced CADD
Home Maintenance &
Repair
Metals Manufacturing
Process
Cabinet Making &
Prototyping

11th Grade

Possible Electives

Woods Manufacturing
CADD Revit
Advanced CADD
Home Maintenance &
Repair
Metals Manufacturing
Process
Cabinet Making &
Prototyping
Advanced Construction &
Millwork
Welding 1
Launch - Skilled Building
Trades

12th Grade

Possible Electives

Woods Manufacturing
CADD Revit
Advanced CADD
Home Maintenance &
Repair
Metals Manufacturing
Process
Cabinet Making &
Prototyping
Advanced Construction &
Millwork
Welding 1
Launch - Skilled Building
Trades