



Construction

Pathways Wisconsin - Region Regional High School Pathway



High School

School Districts that Offer this Pathway

See back

Industry Recognized Certifications

- National Center for Construction Education & Research (NCCER)*
- Career Connections/Level 3*
- Woodwork Career Alliance: Sawblade*
- North American Technician Excellence (NATE): HVAC Support Technician*
- Multi-Craft Core Curriculum
- Commercial Driver's License*
- Standard Driver's License
- OSHA 10
- OSHA 30 for Construction

*Approved for CTE Incentive Grants

Work Experiences

- **Youth Apprenticeship - Architecture and Construction**
- **Wisconsin Cooperative Education Skill Standards: Construction**
- **Employability Skills Certificate**

College Credit Opportunities

WCTC: Carpentry 1 (475-316), Carpentry 2 (475-318)

GTC: Intro Building Construction (475-300), Building Construction Fundamentals (475-301), Applied Math 1 (804-370), Fundamentals of Welding (442-314), Writing Principles (801-301), Speaking Principles (801-302)

MATC: Millwork for Carpenters (CABMIL-340), Blueprint Reading 1 (CARP-385), Mathematics for Construction Trades (CONSTR-380)

Advanced Placement (AP) (Score Needed)

AP- Chemistry

MSOE (4), Marquette (3), UWM (4)

AP- Calculus BC

MSOE (4), Marquette (3), UWM (3)

AP-Statistics

MSOE (4)

AP-Physics C

MSOE (4, one year calculus), Marquette (4), UWM (4)

Dual Enrollment Academies

WCTC (Building Construction Trades)

Postsecondary Options

Entry Level Work

Many entry level positions are available in both residential and commercial settings.

Military

Army options

Coast Guard options

Navy options

Air Force HVAC

Air Force Construction

Registered Apprenticeship

Information on WI Construction

Apprenticeships at:

https://dwd.wisconsin.gov/apprenticeship/construction_trades.htm

Technical College

Milwaukee Area Technical College (MATC)

Certification: Boiler Operator

Technical Diplomas: Plumbing, Appliance

Technician, Automated Building Systems, Carpentry, Bricklaying, Electricity, Architectural

Woodworking/Cabinetmaking, Power

Engineering and Boiler Operator, Electrical

Power & Distribution/Line Mechanic, Refrigeration, Air Conditioning and Heating Service Technician, Truck Driving

Associate Degree: Air Conditioning and Refrigeration Technology

Waukesha County Technical College (WCTC)

Certification: Refrigeration Service

Technical Diplomas: Building

Trades-Carpentry, Refrigeration, Air Conditioning and Heating Service Technician

Gateway Technical College (GTC)

Technical Diploma: Building

Trades-Carpentry

Associate Degree: Air Conditioning, Heating, and Refrigeration Technology

University

Construction Management or Engineering:

MSOE, Marquette

Mechanical Engineering: MSOE, Marquette,

UW-Milwaukee, UW-Parkside

Electrical Engineering: MSOE,

UW-Milwaukee, UW-Parkside

Careers Possible

Entry Level

Pre-Apprentice or Construction Helper

Credential: None

Median Wages: \$27,788- \$37,731

Semi-Skilled

Registered Apprentice or Laborer

Credential: Acceptance into an Registered Apprenticeship Program

Median Wages: \$28,329-\$42,536

Skilled

Journeyworker/Master or Skilled Tradesperson such as:

Bricklayer

Cement Mason

Electrician

Heat and Frost Insulator

Operating Engineer

Painter and Decorator

Roofer/Waterproofer

Sheet Metal Worker

Taper/Finisher

Sprinklerfitter/Steamfitter

Credential: Completion of Apprenticeship Program and/or industry certifications along with in the field training or experience

Median Wages: \$60,257- \$90,521

Technical

Crew Leader, Foreman or General Contractor

Other titles: Project Manager

Credential: Associate Degree and/or industry certifications along with in the field training or experience

Median Wages: \$66,289-\$99,569

Professional

Construction Manager or Superintendent

Other titles: Safety Director, Construction Engineer, Mechanical Engineer, Chief Executive Officer

Credential: Bachelor Degree and/or industry certifications along with in the field training or experience

Median Wages: \$80,780- \$103,826

Salary Information based on 2018

Milwaukee Wage Rates-Building Trades Detailed Wage Chart





Pathways Wisconsin - Region Regional High School Pathway



School Districts that offer this Pathway

2018-2019

Brown Deer
Cedarburg
Cudahy
Franklin
Hamilton
Kenosha Unified
Menomonee Falls
Milwaukee
Mukwonago
Muskego Norway
New Berlin
Oak Creek
Racine Unified
St. Francis

2019-2020

Germantown
Kettle Moraine
Nicolet
Northern Ozaukee
Pewaukee
South Milwaukee
Wauwatosa
Waukesha

Other University Programs in Wisconsin

UW-Madison

Construction Engineering and Management

UW-Platteville

Building Construction Management

Building Construction Safety Management

UW-Stout

Construction

UW-Whitewater

Occupational Safety - Construction Safety

Regional Industry-Related Career Awareness and Exploration Experiences

Wisconsin SkillsUSA

Building2Learn

WRTP-Big Step Youth Programs

WCBA Schools2Skills Tours and MADE Career Pathways Expo

Plumbing Mechanical Sheet Metal Youth Apprenticeship

Building Advantage Career Fair

Metropolitan Builders Association: Building Trades Career Day

Summer Exploration Programs:

- **MSOE Future Builders**
- **MSOE Focus on the Possibilities: Construction Management (HS)**
- **MSOE Discover on the Possibilities: Build and Design (HS)**

Learn More:

- <https://buildyourcareerwi.org/>
- <https://www.choosebigger.com/wisconsin/>
- <http://www.buildingadvantage.org/tradesrecruitment/>

Regional Bridge Programs Articulation Agreements

Technical Studies Bridge Programs (Apprenticeship to Associate Degree)

- MATC: **Associate Degree: Technical Studies - Apprentice**
- WCTC: **Associate Degree: Technical Studies - Journeyworker**

Veterans in Piping (Military Bridge Program)

Regional businesses that support this Career Pathway (found on Inspire Southeast Wisconsin)

Abacus Architects, Inc.

BSI

CG Schmidt

First Call Heating & Cooling, Inc

J.H. Findorff & Son Inc

Kurk Concrete, Inc.

Miron Construction Co., Inc.

Scherrer Construction Co. Inc.

Tim O'Brien Homes, Inc.

Western Building Products

AM Construction Services, Inc.

Building Advantage

Drexel Building Supply

Hunzinger Construction

Joe Wilde Company LLC

Lakeview Construction

Northstar Landscape

Southport Heating, Plumbing & Geothermal

Stevens Construction Corporation

Wolf Paving

Aries Industries

CC&N

Faith Technologies

Human Capital Development Corp.

JP Cullen

Milwaukee Plumbing & Piping

Pieper Electric

Square One Heating and Cooling

Walbec Group

Zuern Building Products