



POSTSECONDARY OPTIONS

You have many options after high school if you want to pursue this Regional Career Pathway!

ENTRY LEVEL WORK

Many entry level positions are available in this industry with great opportunities for advancement and on the job training.

REGISTERED APPRENTICESHIPS

To become a Journey Worker, you must complete a Registered Apprenticeship (RA) Program. You can find the RA programs offered in WI that would prepare you for this pathway here:

https://dwd.wisconsin.gov/apprenticeship/industrial_trades.htm#industry

Apprenticeship to Associate Degree Program:

GTC: Associate Degree: Technical Journey Worker

MATC: Associate Degree: Technical Studies - Apprentice

WCTC: Associate Degree: Technical Studies - Journeyworker

SKILLED POSITIONS: TECHNICAL COLLEGE

Gateway Technical College (GTC)

Technical Diplomas: CNC Production Technician, CNC Programmer, Electromechanical Maintenance Technician, Electronics Technician Fundamentals, Tool and Die Technician

Associate Degrees: Advanced Manufacturing Technology, Electrical Engineering Technology, Electronics, IT-Cybersecurity Specialist, IT-Network Specialist, IT – Software Developer, IT – Web Software Developer, Mechanical Design Technology, Technical Studies-Journeyworker

Milwaukee Area Technical College (MATC)

Technical Diplomas: Chemical Processing Technician, Computer Numerical Control (CNC) Technician, Electronics Technician Fundamentals, IT Networking and Infrastructure Administration, Machine Tool Operations: CNC Machine Setup and Operation, Mechanical and Computer Drafting, Machine Tool Operations, Manufacturing Maintenance, Transportation - Logistics, Tool and Die Making

Associate Degrees: Advanced Manufacturing Technology, Chemical Technician, Chemical Technology: Pre-Major, Computer Electronics Technology, Electronic Engineering Technology, Electronic Technology - Automation, IT Information Systems Security Specialist, IT Network Specialist, Mechanical Design Technology, Technical Studies: Apprentice

Waukesha Area Technical College (WCTC)

Technical Diplomas: CNC Setup Technician, Industrial Maintenance Technician, Network Enterprise Administrator, IT - Software Development Specialist, Machine Tool Operation, Tool and Die Making
Associate Degree: Automation Systems Technology, Electrical Engineering Technology, Electronic Systems Technology, IT - Cybersecurity Specialist, IT - Network Specialist, Manufacturing Engineering Technology, Mechanical Design Technology, Mechanical Engineering Technology, Technical Studies - Journeyworker

TECHNICAL COLLEGE CERTIFICATIONS & CERTIFICATES

GTC

Certifications: Manufacturing Skill Standards Certification (MSSC), Lean Six Sigma, NC3 Starrett Precision Measuring Instrument Certification, Starrett Advanced Measuring Instrument Certification, NC3 Snap-on Multimeter Certification, NC3 Snap-on Electric and Electrical Tool Safety, NC3 Snap-on Hand Tool Safety, OSHA, SACA, CISCO, Solidworks, Master CAM, CertTECH BEE Certification, Certified Solidworks Associate (CSWA), Certified Solidworks Professional (CSWP)
Certificates: CNC Operator Certificate, Mechanical Maintenance Technician Certificate, Quality Control Technician Certificate, Introductory Industry 4.0

MATC

Certifications: Quality Improvement Associate, Quality Process Analyst, Quality Technician, Six Sigma Green Belt, Certified Welding Inspector, 3D Solid Molding Advanced Technical Certificate, Industry 4.0

WCTC

Certifications: CISCO's Certified Network Associate (CCNA), Lean Six Sigma
Certificates: Automation - Industrial PLCs, Automation - Control and Interface, CAE2Y Cybersecurity, Cisco CCNA, Cybersecurity Specialist; CNC Operator, Maintenance Technician 1, Maintenance Technician 2, Maintenance Technician 3, Mechatronics for Electronic Technicians, Mechatronics for Mechanical Designers, Supply Chain Specialist, Lean Six Sigma, IT - Network Support Specialist, IT - Security Administrator, IT - Security Manager





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PROFESSIONAL POSITIONS: UNIVERSITY

Bachelor - Electrical Engineering: Carroll (dual degree), Carthage (dual degree), Marquette, MSOE, UW-Milwaukee, UW-Parkside (consortial program), UW-Whitewater (dual program), Wisconsin Lutheran College (dual degree)

Bachelor - Industrial/Manufacturing Engineering: Carroll (dual degree), MSOE, UW-Milwaukee, UW-Parkside (consortial program), UW-Whitewater (dual program), Wisconsin Lutheran College (dual degree)

Bachelor - Materials Engineering: Carroll (dual degree), Carthage (dual degree), UW-Milwaukee, UW-Parkside (consortial program), UW-Whitewater (dual program), Wisconsin Lutheran College (dual degree)

Bachelor - Mechanical Engineering: Carroll (dual degree), Carthage (dual degree), Marquette, MSOE, UW-Milwaukee, UW-Parkside (consortial program), UW-Whitewater (dual program), Wisconsin Lutheran College (dual degree)

Bachelor - Chemistry: Alverno, Cardinal Stritch, Carroll, Carthage, Marquette, Mount Mary, UW-Milwaukee, UW-Parkside, UW-Whitewater, Wisconsin Lutheran College

Bachelor - Physics: Carroll, Carthage, Marquette, UW-Milwaukee, UW-Parkside, UW-Whitewater, Wisconsin Lutheran College

Bachelor - Supply Chain & Operations Management: Marquette, UW-Milwaukee, UW-Whitewater

Bachelor - Project Management: Herzog

Bachelor - Occupational Safety: UW-Whitewater

PROFESSIONAL POSITIONS: UNIVERSITY

Bachelor - Applied Computing: UW-Milwaukee

Bachelor of Science - Computer Science: Alverno (Dual Degree), Cardinal Stritch, Carroll, Carthage, Marquette, MSOE, UW-Milwaukee, UW-Parkside, UW-Whitewater, Wisconsin Lutheran College

Bachelor - Computer Engineering: Carthage (dual degree), Marquette, MSOE, UW-Milwaukee

Bachelor - Computer Networking: Herzog

Bachelor - Computer Programming: Herzog

Bachelor - Cybersecurity: Herzog

Bachelor - Information Technology: Carroll, Herzog, Information Technology Management, UW-Whitewater,

Bachelor - Information Science & Technology: UW-Milwaukee

Bachelor - Data Analytics: Herzog

Bachelor - Software Development: Herzog

Bachelor - Software Engineering: MSOE

Associate Degree - Data Analytics/Data Scientist: GTC, WCTC

Associate Degree - Information Technology: Herzog

Associate Degree - Software Development: GTC, Herzog, MATC, WCTC

Associate Degree - Supply Chain Management: GTC, MATC, WCTC

Associate Degree - Quality Engineering Tech/Management: MATC, WCTC

REGIONAL ARTICULATION AGREEMENTS/TRANSFER OPPORTUNITIES

UNIVERSITY TO UNIVERSITY

- Engineering Dual Program:**
- Carroll to UW-Milwaukee
 - UW-Parkside to UW-Milwaukee
 - UW-Whitewater to UW-Milwaukee
 - Wisconsin Lutheran College to UW-Milwaukee
- Other Engineering Dual Program:**
- Carroll to UW-Platteville
 - Carthage to Case Western Reserve University
 - UW-Whitewater to UW-Madison
- Computer Science Dual Program:**
- Alverno to UW-Milwaukee





Pathways Wisconsin
Advanced Manufacturing Technology
 M7 Regional High School Career Pathway



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**REGIONAL ARTICULATION
 AGREEMENTS/TRANSFER
 OPPORTUNITIES**

TECHNICAL COLLEGE TO UNIVERSITY

Engineering Transfer Opportunities:

- GTC to MSOE
- GTC to UW-Milwaukee
- MATC to MSOE
- MATC to Marquette University
- WCTC to Marquette University
- WCTC to MSOE
- WCTC to UWM

Chemistry Transfer Opportunities:

- MATC to Carroll University

IT Program Transfer Opportunities:

- GTC to Cardinal Stritch University
- GTC to MSOE
- GTC to UW-Milwaukee
- GTC to UW-Parkside
- MATC to Cardinal Stritch University
- MATC to UW-Parkside
- MATC to UW-Milwaukee
- WCTC to Carroll University
- WCTC to UW-Milwaukee

Other IT Transfer Opportunities:

- MATC
- GTC
- WCTC

**School Districts that offer
 this Pathway**

2019-2020

- Cedarburg
- Elmbrook
- Hamilton
- New Berlin
- Muskego-Norway
- Northern Ozaukee
- Racine Unified
- South Milwaukee

Regional businesses that support this Career Pathway

- Andis Corporation
- Ashley Furniture
- Briggs & Stratton Corporation
- BRP US, Inc.
- ES-Plastics Products, LLC
- FORCE America
- GEM Manufacturing
- Kapco Metal Stamping
- Krones
- LMI Packaging
- Niagara Bottling
- Power Test
- Rockwell Automation, Inc.
- SC Johnson
- Siemens Industry, Inc.
- Snap-on
- Spee-Dee
- Stanek Tool, LLC
- Swagelok Milwaukee
- Twin Disc, Inc.

