Pathways Wisconsin

Regional Advanced Manufacturing Technology Pathway
Milwaukee Region

COLLEGE CREDIT OPPORTUNITIES - Technical College Options

School districts must be able to offer or connect students to at least one college credit opportunity related this pathway
Below are the Technical College Options (Advanced Standing, Start College Now, Transcripted Credit, Vanguard, Dual Enrollment Academies)

Gateway Technical College

Advanced Manufacturing Technology - 664-100 Intro to Industrial Controls, 664-110 Intro to Mechatronics, 664-105 Intro to Industrial Robotics, 664-120 Intro to Indus Internet of Things, 605-113 DC/AC I, 605-114 DC/AC II, 605-130 Digital Electronics

CNC and Tool & Die Tech- 444-339 Gauging and Quality Control, 444-337 Fund. of Blueprint and Shop Safety, 444-338 Fund. of CNC Machine Apps, 444-331 CNC Machining Tech

Electronics: 605-113 DC/AC I, 605-114 DC/AC II, 605-130 Digital Electronics

Electromechanical Maintenance Technician: 605-113 DC/AC I, 605-114 DC/AC II, 605-130 Digital Electronics, 442-102 Intro to Welding

Electrical Engineering Technology - 605-113 DC/AC I, 605-114 DC/AC II, 605-130 Digital Electronics

MSSC - 625-125 Workplace Safety A - MSSC

IT – Cybersecurity Specialist - 150-182 IoT: Connecting Devices, 150-194 Network Security

IT – Data Analytics Specialist - 150-182 IoT: Connecting Devices, 150-194 Network Security, 107-018 Fundamentals of IT

IT – Network Specialist - 107-011 IT in Business, 107-193 IT Essentials, 150-182 IoT: Connecting Devices, 150-194 Network Security

IT – Software Developer - 107-011 IT in Business, 152-126 Intro to Prog. & Database

IT – Web Software Developer - 152-182 Web Programming 1, 152-081 Programming in Python

Mechanical Design Technology - 606-103 Material Properties, 606-149 Intro to MET, 606-128 CAD – Solidworks

Supply Chain Management - 102-137 Intro to Business, 182-101 Supply Chain Management, 182-102 Logistics, 196-190 Leadership Development, 102-160 Business Law

Dual Enrollment Academies

- **Gateway Technical College** - Industry 4.0 Academy
- **Gateway Technical College** - CNC Operator Academy

Milwaukee Area Technical College

Advanced Manufacturing Technology - ADVMFG-100: Intro to Control Systems, ADVMFG-110: Intro to Mechatronics, ADVMFG-113: Advanced Manufacturing DC/AC Circuits 1

CNC - MACHTL-360: Metrology, MACHTL-384: Machine Trades Mathematics 1, MACHTL-385: Machine Blueprint Reading 1

Manufacturing Maintenance - ELECTY-308: Basic Skills for Electrical Wiring, ELECTY-390: Principles of Electricity 1, QLTYIN-103: MSSC Safety

Machine Tool Operations - MACHTL-360: Metrology, MACHTL-384: Machine Trades Mathematics 1, MACHTL-385: Machine Blueprint Reading 1

Mechanical Design Technology - CIVIL-102: Intro to AutoCAD, CIVIL-105: Computer Applications, MCDESG-162: Engineering Materials

Mechanical and Computer Drafting - CIVIL-102: Intro to AutoCAD, CIVIL-105: Computer Applications, MCDESG-162: Engineering Materials

Supply Management - LOGMGT-164: Supply Chain Management, BADM-106: MS Office for Business Applications, LOGMGT-146: Operations Management

IT Network Specialist - ITNET-131: Introduction to Networks (Cisco 1), ITNET-132: Routing/Switching Essentials (Cisco 2)

IT Information Systems Security Specialist - ITSEC-124 Network Security (Security+)

Dual Enrollment Academies

- **MATC Dual Enrollment Academy** - Information Technology

Waukesha County Technical College

Automation Systems Technology - 414-186: Industrial Electricity

Electronic Systems Technology: 605-118: Digital Electronics 1

Electrical Engineering Technology - 605-118: Digital Electronics 1

Industrial Maintenance Technician - 414-186: Industrial Electricity

Mechanical Design Technology - 606-115: Tech Drafting/CAD

Mechanical Engineering Design: 606-115: Tech Drafting/CAD, 606-117: Computer Programming Engineers

CNC - 420-186: CNC Machining Ctr Programming, 420-316: CNC Machining Center Operation, 420-130 Industrial Blueprint Reading 1, 420-320: Machine Tool Operation 1, 420-126: Machine Tool Theory

IT-Cybersecurity - 150-178: Cisco1-Intro to Networks, 150-188: Linux Essentials, 151-106: Security I

IT-Network Specialist - 150-178: Cisco1-Intro to Networks, 150-188: Linux Essentials, 151-106: Security I

IT-Web and Software Developer - 107-102: IT Support, 152-105: Intro to Web Development, 152-168: JavaScript

Dual Enrollment Academies

- **WCTC Dual Enrollment Academy** - Automation Systems
- **WCTC Dual Enrollment Academy** - IT Systems Specialist
- **WCTC Dual Enrollment Academy** - Tool and Die/CNC