WHAT IS
INDUSTRY 4.0?

Industry 4.0 (the latest industrial revolution) unites technology and data in ways that improve productivity, efficiency, and quality like never before.

When people talk about "Industry 4.0," what they're really talking about are revolutionary ways of improving products and processes – here in Northeast Wisconsin and across the globe.

Industry 4.0 brings together innovative, problem-solving technologies including data analytics, additive manufacturing, augmented and virtual reality, smart sensors, and predictive maintenance.

Vital in making those digital innovations happen are enabling technologies such as cybersecurity, cloud computing, and database management.

REVEALING THE PROMISE OF INDUSTRY 4.0

With this revolution, you have all this digitization, all this data. We now can collect data in ways we never were able to before. All that data is for naught unless you have people who can analyze the data, gain insights from the data, and take action. That's why helping our students and the future workforce get prepared to take these actions based on the data is what reveals that promise of Industry 4.0.

Jill Thiede
NWTC Associate Dean, Industry 4.0 Academic Programs

Leading the Way

Industry 4.0 Education and Training at NWTC

As companies in all industries transform the way they do business, NWTC is prepared to meet the demand for individuals who can work with data and new technologies.

The College is leading the way with related degrees, classes, and workforce training in key Industry 4.0 technologies including:

- Additive manufacturing (3D printing)
- Autonomous systems
- Machine learning
- Smart factory
- Advanced manufacturing
- Internet of Things (IoT)
- Cloud computing
- Data analytics
- Augmented reality
- Virtual reality

MAKE
NEXT
HAPPEN
NOW

Creating immersive, interactive experiences for students, businesses, and the community, the College recently renovated two spaces on the Green Bay campus – the NWTC Engineering Technologies Atrium and the NWTC College of Business main entrance. With the reimagined and redesigned areas, all aspects of Industry 4.0 are available to explore.

NORTHEAST
WI Technical College

INDUSTRY 4.0
TRAINING AND DEGREE OPPORTUNITIES

INTERESTED IN INDUSTRY 4.0 CAREERS?

Skills and knowledge to leverage Industry 4.0 technologies are part of many NWTC academic programs – from short certificates to associate degrees. Below is a just a sampling. Visit **nwtc.edu/Industry4-0** for the most current program information.

Data Analytics
- Database Development
- Data Visualization

Cybersecurity
- Network Security
- Microsoft Security
- Cisco Security
- Linux Security

Electrical-Engineering Technology
- Data Communication
- Automation
- Robotics
- Microelectronics

Electro-Mechanical Technology
- Predictive Maintenance
- Controls
- Automation
- Robotics

IT Technology Support
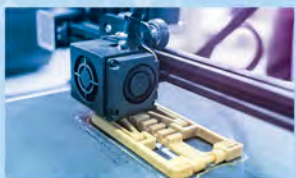- Set up, installation, and support of digital technologies

Manufacturing Operations Management
- Automation
- Robotics
- Leadership
- Cybersecurity Introduction
- Making Decisions Using Data

Mechanical Design
- 3D Modeling
- Database Development

Prototype and Design
- Additive Manufacturing
- Intro to Rapid Prototyping
- SolidWorks 3D Modeling

Software Developer
- IT Programming
- Database Development

Looking to improve your company's processes and production?

Industry 4.0-related conferences and seminars are offered throughout the year at NWTC. In addition, the College's Corporate Training and Economic Development department offers workforce training, customized to fit your organization's specific needs. Training can be delivered at your site or one of our NWTC locations.

LEARN MORE AND GET STARTED TODAY!
nwtc.edu/Industry4-0

NORTHEAST
WI Technical College