

# WHAT IS INDUSTRY 4.0?

Industry 4.0 refers to the current practice of enhancing computer and automation with “smart” systems fueled by data and machine learning. Through Industry 4.0 machines and interconnected systems can make decisions and improve efficiency and accuracy, reduce human intervention and create a strong economic benefit.



The Internet of Things (IoT) is the network of physical devices, vehicles, and other items embedded with electronics, software, sensors, actuators, and network connectivity which enables these objects to collect and exchange data.

Gain skills for the future of today's workforce and become a part of the Industry 4.0 revolution!

## PREPARE FOR A NEXT-GENERATION CAREER

Get in on the ground floor of Wisconsin's growing advanced manufacturing industry with Gateway's new Industry 4.0-centered associate degree programs!

### ADVANCED MANUFACTURING TECHNOLOGY

Work hands-on with robotics and pneumatics equipment, gain programming experience and develop skills in mechatronics, industrial control systems and Internet of Things.

**Future career:** Advanced manufacturing professionals work with mechanical, electronic and information technology to streamline the manufacturing process through robotics and intelligent automation.

### IT-CYBERSECURITY SPECIALIST

Practice hands-on techniques to prevent hacking and increase security with the latest industry-standard equipment, IoT technology and protective data in Gateway's cutting-edge NetLab server simulator.

**Future career:** Cybersecurity specialists focus on protecting their organization's information by preventing identity theft and information interception.

### IT-DATA ANALYTICS SPECIALIST

Work with cutting-edge servers, manufacturing equipment and industry Smart Factories to master programming languages and interpret and analyze data to increase efficiency and performance.

**Future career:** Data analysts advance their organization by taking a large quantity of data and critically examining it to turn it into useful, actionable information.

### SUPPLY CHAIN MANAGEMENT

Develop skills in logistics, operations management and purchasing by working hands-on with industry-standard Enterprise Resource Planning software and robotics.

**Future career:** Supply chain managers work in a company's distribution center, implementing strategies to keep costs low and improve service throughout the manufacturing and distribution process.

**Get started in this in-demand career field today!**

Call 1-800-247-7122 or visit [gtc.edu/apply](http://gtc.edu/apply).



“Gateway has allowed me to become more than just another technician, more than just another person turning a wrench. Knowledge is power and that's what Gateway has given me. I have the power to do anything I want to do.”

-Jenny Perez  
Electromechanical Maintenance  
Technician student

# Industry 4.0-Centered Programs at Gateway

Gateway offers a wide selection of programs in manufacturing, engineering and information technology to help you prepare for the rapidly growing demand for Industry 4.0 skills and knowledge.



- Advanced Manufacturing Technology-New!
- CNC Programmer
- CNC Production Technician
- Electrical Engineering Technology
  - Concentration available in Biomedical Engineering Technology
- Electromechanical Maintenance Technician
- Electronics
- Information Technology (IT)-Software Developer
- IT-Computer Support Specialist
- IT-Cybersecurity Specialist-New!
- IT-Data Analytics Specialist-New!
- IT-Web Software Developer
- Mechanical Design Technology
- Robotic and Specialized Welding
- Supply Chain Management-New!
- Tool and Die Technician

Explore Gateway's programs at:

**[gtc.edu/programs](http://gtc.edu/programs)**



For assistance in getting started,  
call 1-800-247-7122 or stop in to  
any Student Services Center.

Learn more about Gateway's programs:  
**[gtc.edu/programs](http://gtc.edu/programs)**



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