Advancing Regional Talent in Smart Manufacturing

Future Module Topics

Robotics & Automation

- Industrial Sensors & Actuators
- Industrial Mechatronics
- Computer-Aided Robot Simulation
- Robotics Theory & Programming
- Computerized Manufacturing & Machining
- Machine Vision Systems
- Robot Mechanism & Control
- Artificial Intelligence & Machine Learning

Smart Manufacturing

- Smart Manufacturing, Supply Chain, & Business Process
- Quality Control & Lean Practices
- Making Business Case for Manufacturing Planning
- Computer-Aided Manufacturing
- Additive Manufacturing
- Material Handling Systems
- Process Control
- Microfabrication & Characterizations

Bowling Green State University is developing advanced manufacturing continuing education modules in the areas of ***'automation and robotics'*** and ***'smart manufacturing'***. As emerging technologies continue to drive manufacturers to identify opportunities to automate processes, the industry needs employees that can safely, efficiently, and effectively, work alongside robots and other automated processes. To meet this need, BGSU will develop 16 modules in 2024-2025 targeted toward non-degreed and degreed manufacturing workers currently in the workforce or entering the workforce.

Module Pilots

Duration | **Summer 2024, Summer 2025**
Cost | **Free of Charge**
Delivery Method | **Hybrid modules (online/in-person)**
Module Lengths | **16 hours per module over 1-3 weeks**

All Modules

Anticipated Start | **TBD (target of Summer 2026)**
Cost | **TBD**
Delivery Method | **Hybrid modules (online/in-person)**
Module Lengths | **16 hours per module over 1-3 weeks**

Please contact Project Manager Ben Hooper at (928) 458-3583 or bhooper@bgsu.edu for more information.

BGSU | BGSU School of Engineering, Bowling Green State University | BGSU Center for Regional Development, Bowling Green State University | CAM Center to Advance Manufacturing