# Industrial Automation, Controls, and Networking

## Curriculum Map
Program offered at New Richmond
Check out this program at [http://www.witc.edu/programs/progcerts.htm](http://www.witc.edu/programs/progcerts.htm)

### Industrial Automation, Controls, and Networking

(Two-Year)
Associate Degree (10-631-2)

### Job Titles
- Computer Technician
- Network Technician
- Field Service Technician

### Courses Offered

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<th>First Semester</th>
<th>Second Semester</th>
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- Computer and Internet Concepts
- Cisco 1
- Microcomputer Operating Systems 1
- Network Electrical
- Written Communication
- Technical Math 163

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<th>Third Semester</th>
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- Introduction to Process Control
- Industrial Power Electronics
- Process Control and Instrumentation
- PLC Programming and Interfacing
- Industrial AC, Motor Control, & Pilot Devices
- Economics

- Smart Instruments
- Industrial Networks & Communication Busses
- Supervisory and Distributed Control Systems
- Industrial Network Case Studies
- Technical Reporting
- Job Quest

### Helpful High School Courses
- Algebra/Geometry
- English/Speech/Creative Writing
- Economics/Business
- Basic Computer Skills

### Electives
- Network Cabling

Courses reflected in **red** are approved for advanced standing with WITC.

Note: Course sequence may vary by campus.