

# Industrial Automation, Controls, and Networking

## Curriculum Map

Program offered at New Richmond

Check out this program at <http://www.witc.edu/programs/progcerts.htm>



School Year 2006-2007

## Industrial Automation, Controls, and Networking

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



### Job Titles

Computer Technician  
 Network Technician  
 Field Service Technician

## Winter High School

First Semester		Second Semester	
10150110	Computer and Internet Concepts	10150112	Cisco 2
10150111	Cisco 1	10150117	Microsoft LAN Administration
10154102	Microcomputer Operating Systems 1	10150121	Hardware/Software Installation
10605128	Network Electrical	10154103	Microcomputer Operating Systems 2
10801195	Written Communication	10801196	Oral/Interpersonal Communication
10804163	Technical Math 163	10809199	Psychology of Human Relations
Third Semester		Fourth Semester	
10631100	Introduction to Process Control	10631104	Smart Instruments
10631102	Industrial Power Electronics	10631105	Industrial Networks & Communication Busses
10631103	Process Control and Instrumentation	10631106	Supervisory and Distributed Control Systems
10631108	PLC Programming and Interfacing	10631107	Industrial Network Case Studies
10631109	Industrial AC, Motor Control, & Pilot Devices	10801197	Technical Reporting
10809195	Economics	10890105	Job Quest
Helpful High School Courses		Electives	
Algebra/Geometry English/Speech/Creative Writing Economics/Business Basic Computer Skills		10605129	Network Cabling

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

Note: Course sequence may vary by campus.