# 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

## Glidden High School

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>10150110</td>
<td>Computer and Internet Concepts 1</td>
</tr>
<tr>
<td>10150111</td>
<td>Cisco 1</td>
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<tr>
<td>10154102</td>
<td>Microcomputer Operating Systems 1</td>
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<td>10605128</td>
<td>Network Electrical</td>
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<tr>
<td><strong>10801195</strong></td>
<td><strong>Written Communication</strong></td>
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<td>10804163</td>
<td>Technical Math 163</td>
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<tr>
<td>10150112</td>
<td>Cisco 2</td>
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<tr>
<td>10150117</td>
<td>Microsoft LAN Administration</td>
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<tr>
<td>10150121</td>
<td>Hardware/Software Installation</td>
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<td>10154103</td>
<td>Microcomputer Operating Systems 2</td>
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<tr>
<td>10801196</td>
<td>Oral/Interpersonal Communication</td>
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<tr>
<td>10809199</td>
<td>Psychology of Human Relations</td>
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<tr>
<th>Third Semester</th>
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<tr>
<td>10631100</td>
<td>Introduction to Process Control</td>
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<tr>
<td>10631102</td>
<td>Industrial Power Electronics</td>
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<tr>
<td>10631103</td>
<td>Process Control and Instrumentation</td>
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<tr>
<td>10631108</td>
<td>PLC Programming and Interfacing</td>
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<td>10631109</td>
<td>Industrial AC, Motor Control, &amp; Pilot Devices</td>
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<td>10809195</td>
<td>Economics</td>
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<tr>
<td>10631104</td>
<td>Smart Instruments</td>
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<tr>
<td>10631105</td>
<td>Industrial Networks &amp; Communication Busses</td>
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<td>10631106</td>
<td>Supervisory and Distributed Control Systems</td>
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<td>10631107</td>
<td>Industrial Network Case Studies</td>
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<td>10801197</td>
<td>Technical Reporting</td>
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<tr>
<td>10890105</td>
<td>Job Quest</td>
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### 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.