## Manufacturing: Maintenance, Installation and Repair: Industrial Maintenance Technician

### Career Pathway Plan of Study for |
- Learners
- Parents
- Counselors
- Teachers/Faculty

This Career Pathway Plan of Study (based on the Maintenance, Installation and Repair Pathway of the Manufacturing Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.*

<table>
<thead>
<tr>
<th>EDUCATION LEVELS</th>
<th>GRADE</th>
<th>English/ Language Arts</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies/ Sciences</th>
<th>Other Required Courses</th>
<th>Other Electives</th>
<th>Recommended Electives</th>
<th>Learner Activities</th>
</tr>
</thead>
</table>

### SECONDARY

#### 9

Interest Inventory Administered and Plan of Study Initiated for all Learners

Courses with advanced standing and/or transcripted credit are indicated in RED.

#### 10

<table>
<thead>
<tr>
<th>Year</th>
<th>Applied Communications 1</th>
<th>Math 355</th>
<th>Applied Materials Science</th>
<th>Applied Information Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Hydraulics/Pneumatics; Maintenance Machining; Print Reading; Maintenance Welding; Rigging; Fabrication Processes; Piping Systems; Pump Applications; Valves, Gaskets, Seals; Fluid Systems Repair Lab (WBL)</td>
</tr>
</tbody>
</table>

#### 11

College Placement Assessments-Academic/Career Advisement Provided

#### 12

Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.

### WITC INDUSTRIAL MAINTENANCE TECHNICIAN

#### Year 13

<table>
<thead>
<tr>
<th>Year</th>
<th>Applied Communications 2</th>
<th>Math 364</th>
<th>Applied Science</th>
<th>Applied Human Relations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Basic Electrical Theory; Electrical Systems; Electrical Motors; Industrial Systems Control; Bearings and Lubrication; Gears, Belts, and Chain Drives; Machine Leveling and Alignments; Conveyors (WBL); Conveyor Systems Repair Lab; Industrial Safety; Preventive Maintenance</td>
</tr>
</tbody>
</table>

### Advance Standing Option

WITC has articulation agreements with the following institutions for students who graduate from WITC with an Associate Degree in Industrial Maintenance Technician. Students should check with the institution they wish to transfer to for specific courses and credits that transfer.

**PRIVATE:** Bellevue University, Bellevue, Nebraska or Online Program – Capella University, Online Programs – Franklin University, Online Programs – Lakeland College, Sheboygan, WI – Upper Iowa University, Fayette, IA or Online Programs

**UW:** UW-Stout

Credits may transfer to other institutions. Check with admissions advisors at institutions for specific course and/or credit transfers.

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