## Manufactured Production: Machine Tool 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.

### EDUCATION LEVELS

<table>
<thead>
<tr>
<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>*Career and Technical Courses and/or Degree Major Courses for Maintenance, Installation and Repair Pathway: Machine Tool Technician</th>
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### SAMPLE Occupations Relating to This Pathway

- Biomedical Equipment Technician
- Boilermaker
- Communication System Installer/Repairer
- Computer Installer/Repairer
- Computer Maintenance Technician
- Electrical Equipment Installer/Repairer
- Facility Electrician
- Industrial Electronic Installer/Repairer
- Manager/Manager
- Industrial Maintenance Electrician
- Industrial Maintenance Technician/Mechanic
- Instrument Calibration and Repairer
- Instrument Control Technician
- Job/Fixture Designer
- Laser Systems Technician
- Maintenance Repairer
- Major Appliance Repairer
- Meter Installer/Repairer
- Plumber, Pipe Fitter and Steam Fitter
- Security System Installer

### WITC MACHINE TOOL TECHNICIAN

<table>
<thead>
<tr>
<th>Year 13</th>
<th>Applied Communications 1</th>
<th>Math 355; Math 364</th>
<th>Applied Human Relations</th>
<th>Applied Information Resources</th>
<th>Metrology, Semi-Precision Machining, Print Reading for Machine Trades, Milling Fundamentals, Turning Fundamentals, Introduction to CAD/CAM, CNC Fundamentals, Milling Applications, Turning Applications, Precision Grinding</th>
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<tr>
<td>Year 14</td>
<td>Applied Communications 2</td>
<td>Applied Materials Science</td>
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### Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.

### Advanced Standing Option | Transcripted Credit Option | Master’s Required

- WITC has articulation agreements with the following institutions for students who graduate from WITC with a Technical Diploma in Machine Tool Technician. Students should check with the institution they wish to transfer to for specific courses and credits that transfer.

- Private: Upper Iowa University, Fayette, IA or Online Programs
- UW: UW-Stout

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