# Mechanical Design Technology Curriculum Map

Program offered at Rice Lake
Check out this program at http://www.witc.edu/programs/progcerts.htm

## Mechanical Design Technology

**Curriculum Map**

- **School Year**: 2006-2007

**Program offered at Rice Lake**

- **Associate Degree**: (10-606-1)

## Job Titles

- Mechanical Design Technician
- Engineering Technician
- CAD/CAM Technician
- Draftsperson, Mechanical
- Tool Programmer
- Numerical Control Programmer
- Engineering Assistant
- Mechanical Equipment Designer
- Die Designer
- Tool Designer
- 3D Solid Modeler

## Hudson High School

<table>
<thead>
<tr>
<th></th>
<th><strong>First Semester</strong></th>
<th><strong>Second Semester</strong></th>
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</thead>
<tbody>
<tr>
<td>10606102</td>
<td>Engineering Procedures and Specifications</td>
<td>10606120</td>
</tr>
<tr>
<td>10606140</td>
<td>Mechanical CAD</td>
<td>10606141</td>
</tr>
<tr>
<td>10804165</td>
<td>Technical Math 165</td>
<td>10606194</td>
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<tr>
<td><strong>10806151</strong></td>
<td>Technical Science 1</td>
<td>10804146</td>
</tr>
<tr>
<td>or 10806119</td>
<td>Oral/Interpersonal Communication or Speech</td>
<td>10806153</td>
</tr>
<tr>
<td>or 10809172</td>
<td>Race, Ethnic, and Diversity Studies</td>
<td>10801195</td>
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<thead>
<tr>
<th></th>
<th><strong>Third Semester</strong></th>
<th><strong>Fourth Semester</strong></th>
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<tbody>
<tr>
<td>10606111</td>
<td>Mechanisms</td>
<td>10606130</td>
</tr>
<tr>
<td>10606143</td>
<td>Engineering/Computer Drafting</td>
<td>10606155</td>
</tr>
<tr>
<td>10606151</td>
<td>Strength of Materials</td>
<td>10606159</td>
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<tr>
<td><strong>10801196</strong></td>
<td>Oral/Interpersonal Communication</td>
<td>10809144</td>
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<tr>
<td>or 10801198</td>
<td>Speech</td>
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</tbody>
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## Helpful High School Courses

- Geometry
- Algebra
- Physics
- Machine Shop
- Print Reading
- Chemistry
- Mechanical Drawing
- English/Communications
- Keyboarding
- Computer classes

## Electives

- 10420148 | Machine Shop Applications
- 10606185 | Introduction to AutoCAD
- 10606192 | Applied AutoCAD
- 10606195 | Intermediate Pro/ENGINEER
- 10606196 | Intro to Inventor

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

Note: Course sequence may vary by campus.