Program Review Abstract
Machine Tool Technology - MTT (51.0801)
Program Review Conducted on November 14, 2005

Program Background and Goal

The mission of the Machine Tool Technology Program is to prepare individuals to enter and progress in a career as a machinist, operating lathes, milling machines, CNC equipment, and other machining equipment.

Curriculum Design

This program is based on curriculum approved by the Program Advisory Committee for the Machine Tool Technology program. The program awards two 76-hour associate degree in applied technology in Machine Tool Technology and Machine Tool Technology with an emphasis in Injection Mold, respectively, a 58-hour certificate in Machine Tool Technology as well as three 22-hour specialized training certificates in Machine Tool Technology with an emphasis in CNC, Machine Tool Technology with an emphasis in Engine Lathe and Machine Tool Technology with an emphasis in Milling.

Occupational Demand

According to occupational statistics provided by the Alabama State Department of Industrial Relations, the employment needs in Machine Tool Technology for the Montgomery metropolitan area and State of Alabama are reflected in the table below.

<table>
<thead>
<tr>
<th>Occupational Title</th>
<th>Projected Employment</th>
<th>Annual Percent Change</th>
<th>Total Annual Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>State</td>
<td>Local</td>
<td>State</td>
</tr>
<tr>
<td>Machinist</td>
<td>7,090</td>
<td>370</td>
<td>1.08</td>
</tr>
<tr>
<td>CNC Machinist</td>
<td>1,490</td>
<td>180</td>
<td>1.53</td>
</tr>
<tr>
<td>Tool and Die Maker</td>
<td>1,020</td>
<td>100</td>
<td>1.26</td>
</tr>
<tr>
<td>Plastics Technician</td>
<td>1,630</td>
<td>190</td>
<td>1.32</td>
</tr>
</tbody>
</table>

Assigned Faculty

The instructor assigned to this program is Mr. Patrick Stringer (program coordinator).

Operating Costs

The 2003-04 total operating costs for this program are $98,484.96.

Viability
The program currently enrolls 38 students. The completion rate for 2003-04 was 100.0%. The placement rate was 100%.

Findings

The Program Review Committee found that the machine tool technology program is a viable program with healthy enrollment, qualified instructor, a strong curriculum, and excellent completion and high placement rates.

Conclusions and Recommendations

The Program Review Committee recommends that the college continue this program for next five years with the expectation of increasing enrollments.