

# TOOL AND DIE CERTIFICATE

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The Tool and Die certificate is designed to prepare students for employment as a Tool and Die Maker or Machinist. The program provides the students with the related technical knowledge necessary to supplement on-the-job training. Experience gained from the program will be in the area of drafting and design, manufacturing processes, and tooling elements. Jobs obtained from this certificate will be as a tool and die machinist or tool designer.

Manufacturing Engineering Technology

## Program Learning Outcomes

Upon completion, the student will be able to:

1. Write programs to operate sophisticated machinery.
2. Diagnose problems and provide correct, effective solutions.
3. Apply their growing set of skills to creatively solve technical problems.

### Technical Standards

See here for details.

#### First Year

First Semester		Hours
AMT 1091	Safety	2
FMS 2210	CAM/CNC Machining I	3
MET 1000	Engineering Graphics with AutoCAD	3
MET 1010	Blueprint Reading and Sketching	3
MET 2310	Fluid Power	3
<b>Term Hours</b>		<b>14</b>

#### Second Semester

AMT 1100	Welding and Fabrication	3
FMS 2220	CAM/CNC Machining II	3
IMT 1190	Tool and Die Technology	2
IMT 1195	Tool and Die Troubleshooting	2
MET 1020	Material Science	3
MTH 1210		3
<b>Term Hours</b>		<b>16</b>
<b>Total Hours</b>		<b>30</b>