

**Machinist Apprenticeship**

**O\*Net: 51-4041.00      RA: 0296**

**Outline of Technical Studies**

TECHNICAL Course Number	Course Title	Credit s	Pre- and Co-Requisites	Contact Hrs.
	<b>CORE COURSES</b>			
MTH107	Industrial Math	3	Accuplacer Tests Results	48
AIT122	Machine Tools	4	None	96
AIT123	Advanced Machine Tools	4	AIT122	96
IET223	Computer Numerical Control	4	None	96
AIT221	Advanced CNC Programming	3	None	64
MST121	Blueprint Reading	2	None	48
IET270	Dimensional Metrology and Inspection I	3	MTH107	64
AIT137	CAD/CAM	4	AIT122 and IET223	80
	<b>TOTAL</b>	<b>27</b>	<b>TOTAL</b>	<b>592</b>

**Suggested Course Sequence**

<b><u>First Semester</u></b>	<b><u>Course</u></b>	<b><u>Second Semester</u></b>	<b><u>Course</u></b>
MTH107	Industrial Math	AIT122	Machine Tools
MST121	Blueprint Reading	IET223	Computer Numerical Control
<b><u>Third Semester</u></b>	<b><u>Course</u></b>	<b><u>Fourth Semester</u></b>	<b><u>Course</u></b>
IET270	Dimensional Metrology and Inspection I	AIT221	Advanced CNC Programming
AIT123	Advanced Machine Tools	AIT137	CAD/CAM
<b><u>Fifth Semester</u></b>	<b><u>Course</u></b>	<b><u>Sixth Semester</u></b>	<b><u>Course</u></b>