

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.
	CORE COURSES			
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
	TOTAL	27	TOTAL	592

Suggested Course Sequence

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