

Industrial Engineering Technician
RA Trade:0259
O*Net: 17-3026.00



Outline of Technical Studies

TECHNICAL Course Number	Course Title	Credit s	Pre- and Co-Requisites	Contact Hrs.
MTH107	Industrial Math	3	Accuplacer	48
AIT220	Industrial Robotics	4	None	80
AIT226	Robotic Vision	2	AIT220	32
DET125	Basic AutoCAD	3	None	80
MST121	Blueprint Reading	2	None	48
MST221	Mechanical Drive Components	3	None	64
MST125	Basic Pumps	3	None	64
MST127	Principles of Welding/Lab	6	None	144
MST134	Hydraulic and Pneumatic Systems^	4	MTH107	96
EST230	Electrical Circuits and Devices	3	MTH107	64
AIT134	Preventative & Predictive Maintenance	3	MST125 &MST221	64
EET227	PLCs and Industrial Controls I	3	EST230	64
MST126	Pipefitting Principles and Applications	3	None	64
TOTAL		42	TOTAL	912

Course Sequence

<u>First Semester</u>	<u>Course</u>	<u>Second Semester</u>	<u>Course</u>
MTH107	Industrial Math	AIT220	Industrial Robotics
MST121	Blueprint Reading	EST230	Electrical Circuits and Devices
<u>Third Semester</u>	<u>Course</u>	<u>Fourth Semester</u>	<u>Course</u>
AIT226	Robotic Vision	MST127	Principles of Welding/Lab
MST221	Pumps/Mech. Drive Components		
<u>Fifth Semester</u>	<u>Course</u>	<u>Sixth Semester</u>	<u>Course</u>
EET227	PLCs and Industrial Controls I	MST126	Pipefitting Principles
AIT134	Preventive and Predictive Maintenance	MST134	Hydraulic and Pneumatic Systems
		MST125	Basic Pumps
<u>Seventh Semester</u>	<u>Course</u>		
DET125	Basic AutoCAD		