

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



**Outline of Technical Studies**

<b>TECHNICAL Course Number</b>	<b>Course Title</b>	<b>Credit s</b>	<b>Pre- and Co-Requisites</b>	<b>Contact Hrs.</b>
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
<b>TOTAL</b>		<b>42</b>	<b>TOTAL</b>	<b>912</b>

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