

# INTRODUCTION TO ADVANCED MANUFACTURING



## Training Hours

### MANDATORY

<b>AUT-1001</b> Introduction to Industrial Automation - Introduction to Automation	0.8
<b>AUT-1002</b> Introduction to Industrial Automation - Automated Process	1.1
<b>AUT-1003</b> Introduction to Industrial Automation - Automated System	1.7
<b>CAR-2002</b> Manufacturing as a Career - Components of Production	0.8
<b>CNC-1001</b> Introduction to Machining - Introduction to Machining	1.5
<b>DWG-1001</b> Blueprint Reading Fundamentals - Introduction to Blueprints	1.7
<b>LEA-1002</b> Introduction to Lean Manufacturing - The History of Lean Manufacturing	0.9
<b>LOG-1001</b> Introduction to Logistics - What is Logistics?	0.9
<b>LOG-1002</b> Introduction to Logistics - Logistics Technology	0.8
<b>LOG-1003</b> Introduction to Logistics - Inventory	0.8
<b>MEA-2001</b> Precision Measurement Tools - Introduction to Precision Instruments	1.1
<b>MFG-1009</b> Engineering Processes - The Engineering Process	0.8
<b>SAF-1002</b> Introduction to Safety - Making Work a Safer Place	1.6

*Estimated training hours: 14.5*

### ELECTIVES

<b>CAR-1013</b> Landing a Job - Turning a Job into a Career	1.1
<b>MTH-1001</b> Basic Math - Introduction to Basic Math	0.7
<b>MTH-1002</b> Basic Math - Arithmetic Operations	1.4
<b>MTH-1003</b> Basic Math - Numbers and the Number Line	1.1
<b>MTH-1004</b> Fractions - Introduction to Fractions	1.1
<b>STR-1002</b> When Time Gets the Best of You: Dealing with Stress	0.9
<b>MFG-1006</b> Measuring Success in Manufacturing	0.9
<b>COM-2001</b> Conflict Resolution - Understanding Conflict	2.0
<b>COM-2002</b> Conflict Resolution - Communication Skills	1.8

*Estimated training hours: 11.0*

*Total estimated training hours: 25.5*