

## Industrial Engineering Technician Competencies

Required Competencies	
<b>Continuous Improvement</b>	<i>Supports the organization's business goals through continuous improvement initiatives.</i>
<b>Industry Acumen</b>	<i>Demonstrates understanding of manufacturing as an industry and how the company fits into that industry.</i>
<b>Safety</b>	<i>Understands and upholds safe workplace practices in a manufacturing environment.</i>
<b>Organization</b>	<i>Conducts general housekeeping and cleanup. Maintains a tidy, organized workspace.</i>
<b>Process Flowcharts</b>	<i>Reads, interprets, and prepares process flow charts.</i>
<b>Plant Layouts</b>	<i>Reads, interprets, and prepares plant layouts.</i>
<b>Process Flowcharts</b>	<i>Reads, interprets, and prepares process flow charts.</i>
<b>Basic Statistics</b>	<i>Uses statistics to calculate mean, mode, and standard deviation to characterize process performance.</i>
<b>Quality Inspection</b>	<i>Tests and inspects parts or products to evaluate whether they meet specifications.</i>
<b>Reporting and Recordkeeping</b>	<i>Records and maintains quality data. Analyzes data using statistical process control techniques.</i>
<b>Problem Solving</b>	<i>Utilizes problem-solving tools such as 5-WHYs, Fishbone Diagram, and Pareto Analysis.</i>
<b>Manufacturing Processes</b>	<i>Understands the organization's primary manufacturing processes and how the processes are supported by quality control.</i>