

## ADVANCED TECHNICAL EDUCATION (ATE)

**DEGREE:** Manufacturing Tech

JOB TITLE	DESCRIPTION	TECHNICAL SKILLS
Robot Technician		<ul style="list-style-type: none"> <li>-blueprint reading</li> <li>-computer skills (MS Office, internet)</li> <li>-wiring</li> <li>-predictive maintenance skills (vibration, infrared)</li> <li>-industry standards (OSHA, Arc Flash, ISO)</li> <li>-KT skills</li> <li>-root cause analysis</li> <li>-data analysis, manipulation</li> <li>-equipment teardown/rebuild (motor skills, attention to detail)</li> <li>-equipment usage (forklifts, shop equipment, hand and machine tools)</li> <li>-basic machine shop skills (use of measurement tools, calipers, mics, lathes, mill, drills)</li> <li>-electrical testing equipment use</li> <li>-troubleshooting</li> <li>-mathematics</li> <li>-measurement, ability to measure attributes (length, weight, etc.)</li> <li>-mechanical systems understanding-gears, mechan</li> <li></li> <li>-PLC programming hardware/software</li> <li>-networking (machine level network)</li> <li>-linear motion (linear tables, linear bearings)</li> <li>-robotic programming/troubleshooting</li> <li>-HMI (human machine interface) design</li> <li>-rigging/lifting</li> </ul>

<b>PROFESSIONAL SKILLS</b>
-values opinions/points of view
-embraces change/anticipates change
-team player
-attention to detail
-multi-tasking
-cooperation
-conflict resolution
-safety awareness/comprehension
-sense of urgency
-emotional consistency
-pride in self
-manage self
-discretion vs. sharing openly
-punctuality
-interpersonal skills
-communication skills (oral and written)
-self motivated
-interviewing skills
-listening skills
-works independently
-maturity