

OHM PTECH Skills Categorization

Technical Skills	Workplace/Professional Skills	Academic Skills
Mechanical <ul style="list-style-type: none"> • Hand tools • Power tools • Blueprints • Technical drawings • Hydraulics • Pneumatics • Electromechanical 	Adaptability <ul style="list-style-type: none"> • Flexibility 	Mathematics <ul style="list-style-type: none"> • Basic skills • Simple statistics • Algebra • Trigonometry • Calculus • Statistics
Computer Literacy <ul style="list-style-type: none"> • Awareness • Microsoft Office • AutoCAD/AutoCAD LT • Inventor/Solidworks • DipTrace • SharePoint 	Communication <ul style="list-style-type: none"> • Oral expression • Written • Active listening 	English <ul style="list-style-type: none"> • Language • Written communication • Verbal communication • Reading comprehension • Writing aptitude
Manufacturing/Machine Operation <ul style="list-style-type: none"> • Process • Manuals • Technical • Repair • Additive manufacturing • Equipment setup • Servicing/repair • System interface • Machining • Operations monitoring 	Cultural/Global <ul style="list-style-type: none"> • Awareness • Understanding • Diversity 	Science <ul style="list-style-type: none"> • Physics • Chemistry
Materials <ul style="list-style-type: none"> • Properties • Raw materials • Costs • Production processes 	Teamwork <ul style="list-style-type: none"> • Coordination • Team development • Team building 	STEM <ul style="list-style-type: none"> • Science • Technology • Engineering • Mathematics
Project Management <ul style="list-style-type: none"> • Software • Gantt charts • Flow charts • Process flows • Work constructions • Lean processes 	Safety Protocol	

<p>Electronics</p> <ul style="list-style-type: none"> • Analysis • Testing devices <ul style="list-style-type: none"> o Ohmmeter o Ammeter o Voltmeter o Oscilloscope • Soldering • Schematics • Integrated circuits • PLC/PLD • Troubleshooting • Circuit boards • Servicing/calibration • Electromechanical 	<p>Problem Solving</p> <ul style="list-style-type: none"> • Decision making • Design process • Creative thinking • Reasoning <ul style="list-style-type: none"> o Deductive o Inductive
<p>Precision Measurement</p> <ul style="list-style-type: none"> • Calipers • Alignment gauges 	<p>Planning/Organization</p> <ul style="list-style-type: none"> • Organizing • Planning • Prioritizing • Task management • Documentation management • Information management • Personnel management
<p>Semiconductors</p> <ul style="list-style-type: none"> • Processing • Processing equipment • Process maintenance • Cleanroom protocol • Testing • Nanotechnology 	<p>Interpersonal</p> <ul style="list-style-type: none"> • Establish relationships • Maintain relationships • Internal relationships • External relationships • Customer service
<p>Quality Control</p> <ul style="list-style-type: none"> • Analysis • Lean processes/Kaizen • Testing methodologies 	<p>Information</p> <ul style="list-style-type: none"> • Acquisition • Processing • Organization • Documentation • Analysis • Communication
<p>Documentation</p> <ul style="list-style-type: none"> • Read and interpret work order • Documentation of information • Work logs 	<p>Cleanroom</p> <ul style="list-style-type: none"> • Protocol • Shift schedule