

Mechanical Technician

Performs a variety of duties assisting mechanical engineers in the development of mechanical and electro-mechanical engineering designs, tests, fabrications, modifications, assemblies and components. Drafts detailed drawings for fabrication. Devises, fabricates and assembles new or modified mechanical components or assemblies. Sets up and tests complete prototype units and subassemblies under operational conditions. Analyzes data and recommends modifications to components or test procedure to meet desired specifications.

Level 1		Level 2		Level 3		Level 4	
Mechanical Technician I		Mechanical Technician II		Mechanical Technician III		Sr. Mechanical Technician	
Knowledge	Little or no knowledge of the job. Moderate understanding of general job aspects and some understanding of the detailed aspects of the job.	Full knowledge of the job. Substantial acquaintance with, and understanding of, general aspects of the job with a broad understanding of the detailed aspects of the job.		Considerable knowledge of the job. Complete acquaintance with, and understanding of, the general and detailed aspects of the job and their practical applications to problems and situations ordinarily encountered.		Extensive knowledge in specialized functions. A wide and comprehensive acquaintance with, and understanding of, both general and specific aspects of the job and their practical application to complex problems and situations ordinarily encountered.	
Supervision Received	Close supervision involving detailed instructions and constant checking on work performance.	General supervision and instructions given for routine work and detailed instructions given for new activities or special assignments.		Limited supervision. No instructions needed on routine work and general instructions given on new lines of work or special assignments.		Minimal supervision. Work may be done without established procedures.	
Consequence of Errors	Errors can be easily and quickly detected within the immediate work unit and would result only in minor disruption or expense to correct.	Errors may be detected and corrected but may cause moderate loss of time or customer/user dissatisfaction.		Errors may be difficult to detect and would normally result in loss of customer business, material or equipment to resolve.		Errors are very difficult to detect and would normally require significant expenditures to resolve.	
Contacts	Contacts are primarily within immediate work unit. Contacts involve obtaining or providing information requiring little explanation or interpretation.	Contacts are typically with individuals within own department and occasionally with contacts outside own organization. Contacts involve obtaining or providing information or data requiring some explanation or interpretation.		Contacts are frequent with individuals representing other departments and/or representing outside organizations. Contacts involve obtaining or providing information or data on matters of moderate importance to the function of the department or which may be of sensitive nature.		Contacts are frequent with individuals representing outside organizations and/or individuals of significant importance within the company. Contacts involve planning and preparation of the communications, require skill, tact, persuasion and/or negotiation to accomplish the objectives of the communication.	
Work Products (Examples may include but are not limited to)	Perform general mechanical assembly assignments and electrical assy build including cables, test fixtures and Engineering Prototype CCA's. Can perform simple troubleshooting tasks. Must be proficient with soldering equipment, general hand tools and electronic troubleshooting tools.	Perform mechanical and electrical assy tasks, electrical cable and CCA builds. Can recommend electrical and mechanical solutions. Can document electrical assys. Must be proficient with soldering equipment, general hand tools and electronic troubleshooting tools.		Perform assy tasks, electrical cable and CCA builds, can produce general mechanical solutions and can machine simple mechanical fabrications. Can document electrical assys and simple mechanical designs. Must be proficient with soldering equipment, general hand and power tools, general knowledge of machining tools (Mill, lathe and band saw) and electronic troubleshooting tools.		Perform assy tasks, electrical cable and CCA builds. Can design, fabricate and document complex electro-mechanical fixtures, assys and cables. Must be proficient with soldering equipment, general hand tools, electronic troubleshooting tools and machining equipment (lathe, mill, band saw and other machine tools).	
Minimum Education and Experience	High school diploma and an Associates degree (EE or EET preferred).	High school diploma and an Associates degree, plus 2 years of experience (EE or EET preferred).		High school diploma and an Associates degree (EE or EET preferred), plus 10 years of experience and machining experience/ demonstrated mechanical aptitude or demonstrated electronics troubleshooting experience.		High school diploma and an Associates degree (EE or EET preferred), plus 10 years of experience; minimum of 5 years machining experience, CNC knowledge.	