

# Mechanical Technician: Mechanical Technician III

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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.

## **Knowledge**

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.

## **Supervision Received**

Limited supervision. No instructions needed on routine work and general instructions given on new lines of work or special assignments.

## **Consequence of Errors**

Errors may be difficult to detect and would normally result in loss of customer business, material or equipment to resolve.

## **Contacts**

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.

## **Work Products (Examples may include but are not limited to)**

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.

## **Minimum Education and Experience**

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.