



Department: **Engineering**

Managed By: **Sustaining Engineering Manager**

Job Title: **Engineering Intern**

The Engineering intern assists the Engineering Manager and other Engineers with their tasks and associated assignments, and engineering administration duties. Assists in the development and test of electrical and electro-mechanical assemblies. The candidate will execute test plans, and record test results, process test data and help with test report preparation. Assists with processing engineering changes using Solid Works 3D-CAD software and interface with production and manufacturing to help resolve issues. Prepare and/or revise test reports and procedures, routing and processing of.

**Key Responsibilities:**

Supports Engineering in sustaining product improvements. This will include building, testing, troubleshooting, and gathering test data for breadboards and prototypes. Will interface to and consult with engineering staff to resolve test failures of prototype and/or production units. Assembles experimental circuitry or prototype models according to engineering instructions, design drawings, and knowledge of electronic systems.

**Requirements:**

- Sophomore or Junior college level with a major in Electrical / Mechanical Engineering with a commitment of working at least 12 hours per week is preferred.
- Some Experience 3D-CAD modelling or having the ability to learn Solid Works is preferred.
- Desire to learn hands-on skills including using electrical and mechanical tools, and electronics manufacturing processes such as soldering of both surface mount and through-hole components on PCBs, harness building, crimping and joining terminals to wiring, etc. Must be technically and mechanically inclined.
- Desire and motivation to work in an Aerospace Engineering office, manufacturing, and lab testing environments to grow your professional engineering experience.
- Ability to work or learn how to operate Engineering test laboratory equipment, such as multimeters, power supplies, oscilloscopes, signal generators, etc.
- Good verbal and written communication and organizational skills
- Ability to work on multiple projects and task assignments and work independently
- Knowledge of analog and digital circuits is preferred
- Moderate knowledge and experience using Microsoft Office suite, such as Word, Excel, Presentation, etc.
- Must be a team player that will do whatever it takes for the team or project to be successful is preferred.

**Authorities:**

Ensure compliance with applicable processes and procedures during the course of daily job function



**Physical Demands:**

While performing the duties of this job, the employee is occasionally required to stand, walk, sit, use hands to finger, reach with arms and hands, climb stairs, stoop, kneel, crouch, talk or hear. The employee must occasionally lift and/or move up to 30 lbs.

**Work Environment:**

While performing the duties of this job, the employee is exposed to weather conditions prevalent at the time and an air-conditioned and heated office. The noise level is occasionally high.

**Disclaimer:**

The above information on this description has been designed to indicate the general nature and level of work performance by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to this job.

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