

**LOCKHEED MARTIN**



**Requesting Leader/Org:**

Kevin Davis, Propulsion, Thermal & Test Engineering Manager, and Chris Drewes– Thermal, Mechanical, Engineering Manager

**Intern Job Title:** Mechanical Engineering/Aerospace Engineering Intern

**Must be a US Citizen and eligible for a NASA security badge**

**Period of Employment and Hours per week:**

NASA Stennis, 10 Weeks, Summer 2026, 40 hrs. per week Monday through Thursday 10-hour workdays, off on Friday, 06/01/2026 – 08/07/2026

**Number of available slots for this position:** 3

**Desired Qualifications:** Sophomore, Junior, or Senior at the time of the internship

**Basic Qualifications:**

- Undergraduate student in engineering or physical sciences discipline from an accredited college or university (Mechanical Engineering, Aerospace Engineering)
- Basic knowledge of software utilized in the design/analysis of hardware, **3-D printing** (CAD - Computer Aided Design) Thermal Desktop, or similar)
- Strong verbal and written communication skills.
- Classroom or work experience with the application of structural design and analysis
- Ability and desire to assume ownership of tasks and drive to closure quickly and efficiently

**Required Qualifications:**

- Currently enrolled in a BS degree or higher in one of the following majors: Mechanical Engineering, Aerospace Engineering,
- Experience in mechanical design
- Proficiency in Microsoft Office
- Other hands-on engineering experience
- Any combination of exposure to engineering project management, supplier management, technical evaluations, tracking and development of cost/schedule
- Exposure to or participation with failure investigations, root cause analysis, and/or corrective action dispositions

**Description of the Work:**

Perform data analysis using visualization tools, such as Excel, MATLAB, or Tableau in support of Lrad and other programs. Task to include Familiarity with industry standards and regulations also in this role you will provide technical solutions, production, service and support. The successful candidate will have experience and/or knowledge of mechanical engineering and design, propulsion, and project management. This position is located at a facility that requires special access (Security Badging Access).

Programming skills in languages like Python, MATLAB, or C++ performing and providing engineering documentation and reports, also presenting an overall learning presentation after completion of Internship

**Benefit to Students (i.e. skills & experience offered by the position and any perks):**

The student will be exposed to traditional and finite element model-based analysis of Propulsion Satellite Systems and Thermal System skills that will support their success in an Engineering field. They will be exposed to the Engineering Field in various disciplines to include Thermal Engineering Analysis (Heat Pipes) Testing, Design support, and Manufacturing processes at Stennis Space Center Mississippi. In this role, the Intern will support as needed our Propulsion Design and Analysis team.

**Duties may include:**

- 1) design/analyze hardware, support manufacturing and work to customer requirements.
- 2) conducting thermo-fluid analysis of gas, liquid, and solid propulsion systems.
- 3) develop physics-based models of propulsion hardware to include thrusters, control valves, filters, and other fluid handling elements.
- 4) understanding of mechanical and/or propulsion engineering principles.
- 5) have working knowledge of thermodynamics, fluid dynamics, and classical mechanics as well as a passion for learning.
- 6) strong mathematical, analytical, and data processing skills.
- 7) ability to work in a collaborative and highly integrated team environment.