

LOCKHEED MARTIN



Requesting Leader/Org: Troy Norton, Orion Stress Manager/Troy Wallen, Orion Senior Stress Manager

Intern Job Title: Mechanical Engineering Intern – Stress Analysis

Must be a US citizen and eligible for a NASA security badge

Job Location, Period of Employment, and Hours per week: Michoud Assembly Facility - Bldg 101, Summer 2026, 40 hrs per week, 06/01/2026 – 08/07/2026

Number of available slots for this position: 1

Description of the Work: Perform stress analysis in support of the Orion Program. Tasks may include but are not limited to performing detailed mathematical calculations using established stress analysis formulas, support finite element modeling tasks using FEMAP and NASTRAN, provide on-site support acceptance testing of flight hardware, and provide engineering documentation and reports.

Required Qualifications: Enrolled in a Mechanical Engineering, Aerospace Engineering or Civil Engineering program from an accredited college or university. Completion of a course in statics and dynamics. The ability to produce engineering reports in Microsoft Word. Strong verbal and written communication skills.

Desired Qualifications: A rising Junior or Senior at the time of the internship. Experience with software tools such as Mathcad, Matlab, Python.

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 aerospace structures, laying the foundation for the skills required to pursue a career in the aerospace field. They will contribute to the verification and validation of a NASA human rated flight vehicle. They will also be exposed to the production and test facility at NASA's Michoud Assembly Facility.