

Job 5557: Engineering Intern - Bipropellant Propulsion

Detail: Job Information

Job Code:	CSP31
Job ID:	5557
Folder:	Approved
Job Title:	Engineering Intern - Bipropellant Propulsion
Pos. Category:	Intern - Engineering
Pos. Level:	Unspecified
Pos. Type:	Intern
Hire Type:	New - Direct
Job Type:	Hourly
# of Positions:	1

Detail: Requirements

Exp. (Years):	0
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Detail: Additional Data

Department:	4804
Shift:	DS - Days Special 4@9Hrs/1@4Hrs
Work Week Hours:	40
ERP Category :	N/A
Requires Eligibility for US Security Clearance:	No

Description: Job Description

Overview:

At Aerojet, our employees help further space exploration and keep

America safe. Our Redmond, Washington facility develops and manufactures propulsion systems that are on a variety of spacecraft. The Intern will support our engineering teams in the successful planning, design, development and qualification of liquid rocket engines and propulsion systems for spacecraft, launch vehicle and missile applications. Interested students are encouraged to apply today!

Essential Job Functions (Including % of Time for Each):

Under direct and general supervision, the Intern will:

30% - Assist with component, sub-system, and system test planning, performing, and data analysis. Conduct engineering analysis in support of trade studies, program tasks and hardware technology development testing.

20% - Assist project engineers with presentations and submittals to both external customers and internal staff. Coordinate activities with other internal departments such as engineering, manufacturing, quality, and test.

10% - Provide hardware fabrication support, including nonconformance resolution.

10% - Support component development/qualification and procurement, including supplier oversight and management.

10%- Assist in the development of software tools to aid in the performance analysis, component selection, sizing, and costing of liquid and cold gas propulsion systems for in-space applications.

SECONDARY FUNCTIONS:

20% - Other duties as assigned.

Requirements:

Students must be actively pursuing a Bachelor's or advanced degree in Aerospace Engineering, Mechanical Engineering or other related

science/discipline. Coursework in thermodynamics, heat transfer, fluid mechanics, materials, combustion, and/or rocket engine performance analysis required. Must be proficient in MS Office software, MS Project and computational software such as Matlab. Experience with development hardware, mechanical assembly and/or test preferred. Must have ability/experience working in a team environment and excellent written and verbal skills. Requires U.S. Citizenship, U.S. Permanent Residency, or other status as a U.S. Person.

Working Conditions:

Workplace includes areas where chemical materials are encountered.

EOE M/F/D/V

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