



Payload Safety Engineer for NASA Space Station Program

Position: Payload Safety Engineer for NASA Space Station Programs

Location: NanoRacks Houston Office- 555 Forge River Road, Webster, TX 77598

General Description

NanoRacks is a fast growing company that provides commercial access to space. The company has been called the “UPS of space” by Fast Company and has been featured in Forbes Magazine, and Smithsonian Air & Space Magazine. NanoRacks is seeking a full-time Payload Safety Engineer at the NanoRacks office in Webster Texas. The position is primarily supports payloads for the International Space Station. You will join a small, high-energy safety group that is skilled in engineering and comfortable working with customer payloads.

Primary Duties

- Develop Payload Safety Data Packages for NanoRacks LLC
- Perform system safety and reliability evaluations of proposed Space Station mission flight rules and Crew Operational Procedures prior to on-orbit use
- Develop & Track Design For Minimum Risk matrices to support payload development
- Position will require heavy presentation skills to senior NASA management including the Payload Safety Review Panel and Mechanical Systems Working Group
- Support Preliminary and Critical Design Reviews of ISS systems hardware, provide engineering evaluations against design and safety requirements
- Assess the system safety and fault tolerance characteristics of ISS Payloads operations to include analyses using fault trees and event simulation modeling of ISS operational support plans
- Develop and evaluate root cause and corrective actions using standard engineering techniques such as Fault Tree Analysis
- Perform real-time risk assessments of NanoRacks systems and operational changes and their impacts to mission success
- Develop, review and assess safety analysis hazard reports, and requirement non-compliances
- Develop and track Safety Verification closures

Basic & Required Traits, Knowledge & Skills

- NASA S&MA experience is highly desired
- Familiar with the International Space Station Program, specifically National Laboratories
- 2-5 years of experience in operations and/or engineering
- Basic knowledge and use of personal computer with typical business software

- Excellent written and verbal communications skills are mandatory
- Must be able to travel (minimal) and work non-standard hours periodically

Desirable Traits, Knowledge & Skills

U.S. Citizenship preferred

Education

Preference for candidates pursuing or have completed a B.S. in Mechanical, Aerospace or Electrical Engineering, or related fields.

Compensation :

Competitive salary based on experience, plus flexible work conditions from being part of a small growing company.

Location

This position located at the NanoRacks' Houston Office, 555 Forge River Road, Suite 120 Webster, TX 77598

Other Requirements

The successful candidate will be required to sign a Non-disclosure Agreement (NDA)

To apply, please send resume to jobs@nanoracks.com.