



## Why Join Us?

Located west of Portland on the beautiful Oregon Coast, Near Space Corporation values innovation, teamwork, commitment and offers an environment of growth and advancement opportunities. Specializing in the testing and maturing of space and aviation technologies, NSC has extensive experience providing relevant space like environments for maturing new technologies and testing concepts of operations using high altitude balloons and UAVs.

## Aerospace Flight Test Engineer

### **Purpose:**

The Aerospace Flight Test Engineer is responsible for defining, planning, organizing, executing, and reporting complex flight programs and flight test events of Unmanned Aircraft Systems (UAS), comprised of both high-altitude scientific balloons and small unmanned aircraft. A multi-disciplinary position with emphasis on aeronautics, avionics, flight systems certification, regulation, and testing.

### **Essential Functions:**

- Derive and track flight test requirements
- Perform system level qualification, verification and validation activities to support testing of UAS hardware and software
- Generate system level test plans and procedures, and support or conduct UAS ground and flight testing
- Confer with scientific, engineering, and technical personnel to resolve testing problems including but not limited to product or system malfunctions, incomplete test data, and differences in test data interpretation.
- Assure proper documentation of technical data generated for the assigned projects and /or tasks is consistent with engineering policies and procedures
- Coordinate technical issues with customers associated with flight test activities
- Lead internal design activities and technical decisions
- Manage and control the engineering effort including the hours assigned to the project
- Variety of work environments; desk and hands-on in the flight hangar, flight line and field operations
- Occasional short term travel to support flight operations limited to the Pacific Northwest and Hawaii

### **Qualifications:**

- Bachelor of Science in an Engineering discipline. Concentration in Aerospace or Aeronautical Engineering is a plus. Strong Aeronautics, Physics, Mathematics, and Computer Science skills desirable.
- Minimum 3 years of operational or developmental UAS flight test experience is required.
- Demonstrated expertise in systems engineering disciplines associated with an unmanned systems flight test program to include requirements definition, design reviews and documentation, and systems integration.
- Familiarity with FAA regulations, Certificate of Authorization or Waiver (COA) process and aircraft certification procedures.
- Understanding of command, control, telemetry, and data acquisition systems.
- Experience with autopilot systems.
- This position requires access to or use of information which is subject to the federal International Traffic in Arms Regulations (ITAR) and Export Administration Regulations (EAR). All applicants for this position must be U.S. Persons within the meaning of ITAR and EAR. ITAR and EAR define "U.S. Person" as Any individual who is a citizen of the United States, a permanent resident alien of the United States, or a protected individual as defined by 8 U.S.C. 1324b(a)(3)

### **Important Skills:**

- Knowledge of design of aeronautical systems, components, and materials
- Solve problems by gathering information and evaluating options
- Presents information effectively and persuasively across communication settings
- Listens attentively and actively
- Writes effectively using various styles to address different needs and audiences
- Works productively with others in a team environment
- Is flexible and can adjust to shifting priorities
- Has excellent attendance and completes quality work on time
- Manages time effectively and prioritizes tasks to meet deadlines
- Proficient in Microsoft Office suite including; word processing, spreadsheets, e-mail, and web enabled applications
- Ability to work with power and hand tools safely and effectively

**Near Space Corporation** also offers an exceptional benefit package including competitive wages, health and dental insurance, paid vacation, sick pay, 401(k) retirement plan, short and long term disability, term life insurance, and holiday pay.

To apply for this position, please submit a resume, cover letter, and complete an application available on our web site at [www.nsc.aero](http://www.nsc.aero).