

Job Title: Systems Engineer – JWST Command and Telemetry / Mission Management (Level 3/4)

Job Location: Colorado Springs, Colorado or Aurora, Colorado

Security Clearance: Secret

Clearance Status: Must be Obtainable



Job Summary:

Responsible for system engineering tasks for the Command and Telemetry (C&T) systems focusing on mission management for the James Webb Space Telescope (JWST) program. The candidate will function as a C&T systems engineer performing engineering tasks in an iterative development environment, providing technical direction and clarification of requirements to software agile development team and integration and test personnel. Engineering tasks include performing system engineering analyses, use case development, requirements definition and derivation, interface definition, requirement validation and verification, and supporting planning and development tasks with personnel from other organizations. Engineering tasks also include attending technical interchange meetings, representing the organization in matters pertaining to the development of the project, providing status on assigned Integrated Master Schedule (IMS) tasks, providing document reviews, resolving technical and integration issues, and supporting ECP efforts.

The James Webb Space Telescope (sometimes called JWST or Webb) is an orbiting infrared observatory that will complement and extend the discoveries of the Hubble Space Telescope, with longer wavelength coverage and greatly improved sensitivity. The longer wavelengths enable Webb to look much closer to the beginning of time and to hunt for the unobserved formation of the first galaxies, as well as to look inside dust clouds where stars and planetary systems are forming today.

Required Qualifications:

- Ability to obtain a U.S. Government SECRET security clearance (requires U.S. Citizenship)
- Knowledge of the systems engineering development lifecycle and change management process
- Experience in satellite command and telemetry
- Experience in systems engineering functions including operations concept development, system and product design, requirements management, technical risk management, interface definition and control
- Knowledge of and experience working in DOORS or similar requirements management tool
- Demonstrated ability to effectively work with and communicate with all levels of management and individual contributors on the program team
- Excellent verbal, written, communication, and interpersonal skills
- Ability to work independently as well as within a team
- Proficiency with MS Office Products (Word, Excel, PowerPoint, etc.)

Preferred Qualifications:

- Current U.S. Government SECRET security clearance (required U.S. Citizenship)

- Systems Engineering experience on a large government software development contract
- Experience with complex satellite ground systems, particularly previous deployment of developed systems to ground station operations
- Experience with Ground equipment/RF equipment
- Experience in integration, and/or verification and validation
- Experience in Systems Engineering process development and deployment
- Experience with Model Based Systems Engineering (MBSE) using DOORS, Enterprise Architect and JIRA or similar tools
- Experience working in an Agile or DevOps development environment, being part of a highly integrated team working closely with Software, Integration and Verification teams

Educational Requirements:

- *Engineer Level 3:* Bachelor's degree and seven or more years relevant experience, Master's degree, and four or more years relevant experience
- *Engineer Level 4:* Bachelor's degree and 12 or more years of experience, Master's with nine or more years of experience

(Degrees must be from an accredited course of study in engineering, computer science, mathematics, or physics)

In compliance with Colorado's Equal Pay for Equal Work Act, the salary range for this position is \$95,000 to \$132,000. Ascension Engineering Group considers factors such as work experience, education, key skills, and position role when extending an offer.

Ascension Engineering Group is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, age, protected veteran status, or disability status.