

## **Systems Engineer: Senior**

### **Job Description**

Performs technical planning, system integration, verification and validation, and cost, risk, supportability, and effectiveness analyses for total systems. Ensures the logical and systematic conversion of customer or product requirements into total systems solutions that acknowledge technical constraints. Performs functional analysis, timeline analysis, detail trade studies, and requirements allocation and interface definition studies to evaluate compliance of software specifications with customer requirements. Performs planning, modeling, validation, engineering, and verification activities. Able to lead small- to medium-size groups in technical task completion. Analyzes effectiveness/efficiency of NASA program procedures and processes and develops/recommends improvements. Prepares presentations, reports, research, and other contract deliverables. Participates in selected programs, events, and meetings involving staff, Government customers, and visitors. Familiarity with UML, software architecture, service oriented architecture, agile processes, systems engineering, and verification and validation. Strong experience with NASA or military programs involving space, ground, and launch operations/processes is essential. Excellent verbal and written English language, good communication skills, and ability to interact well in group meeting/working environments. Software hazard analysis and risk assessment in conjunction with the development of a system reference model.

BS/MS/PhD in Computer Science, Systems Engineering, Aerospace Engineering, Electrical Engineering, Computer Engineering, or other software-related engineering program.

BS/9 yrs; MS/7 yrs; PhD/4 yrs

### **Required Skills**

BS/MS/PhD in Computer Science, Systems Engineering, Aerospace Engineering, Electrical Engineering, Computer Engineering, or other software-related engineering program.

BS/9 yrs; MS/7 yrs; PhD/4 yrs

### **Required Experience**

Experience with NASA or military programs involving space domain topics such as propulsion; guidance, navigation, and control; vehicle system management; mission ground operations; flight dynamics; operations; launch operations/processes; software safety; and mission assurance.

**Job Location** - Fairmont, WV US

**Position Type** - Full-Time/Regular