

## **Systems Engineer: Subject Matter Expert (SME)**

### **Job Description**

Performs advanced technical planning, system integration, verification and validation, and cost, risk, supportability, and effectiveness analyses for total systems. Ensures 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 mentor more junior-level systems engineers and lead large teams 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. 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.

Education: BS/MS/PhD in Computer Science, Systems Engineering, Aerospace Engineering, Electrical Engineering, Computer Engineering, or other software-related engineering program and 20 years experience is required.

Position is contingent on contract award.

### **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