



**Job Description:** Systems Engineer (Entry to Mid-Level)

**Location:** Washington, D.C. Metro Area

**Employment Type:** Full-Time

**Clearance:** Ability to Obtain / Active Clearance Preferred

**Organization:** The Outpost (supporting a Federal Government Client)

### **Position Overview:**

The Outpost is recruiting entry to mid-level Systems Engineers to support a Federal Government client responsible for building, integrating, and optimizing complex technical systems that enable mission-critical operations.

With rapidly advancing technologies and increasing system complexity, our client requires highly skilled systems engineers capable of solving challenging engineering problems and supporting the full lifecycle of advanced systems and services. This role involves supporting trade studies, translating conceptual designs into technical specifications, evaluating prototype hardware and software solutions, and integrating these systems into large-scale operational architectures.

This position supports mission environments that span cybersecurity, SIGINT, communications, data processing, and advanced computing systems.

### **Key Responsibilities:**

- Perform systems engineering analysis and trade studies to evaluate technical alternatives.
- Translate conceptual and operational requirements into technical specifications and system requirements.
- Support evaluation and testing of prototype hardware and software systems.
- Assist with integration of hardware and software solutions into complex enterprise architectures.
- Contribute across the systems lifecycle, including:
  - Concept development
  - Design and engineering
  - Testing and evaluation
  - Production and deployment
  - Operations, maintenance, and sustainment
  - Decommissioning
- Support integration of commercial and government off-the-shelf solutions as well as newly developed technologies.
- Collaborate with multidisciplinary engineering teams and mission stakeholders.

### **Qualifications:**

- Bachelor's degree in Engineering or a related technical field (e.g., Computer Science, Mathematics, Physics, Electrical Engineering, Computer Engineering).
- If the degree program is not ABET-accredited, it must include coursework in differential and integral calculus and at least five (5) of the following areas:
  - Statics or dynamics
  - Strength of materials / stress-strain relationships
  - Fluid mechanics or hydraulics
  - Thermodynamics
  - Electromagnetic fields

- Nature and properties of materials
- Solid state electronics
- Microprocessor applications
- Computer systems
- Signal processing
- Digital design
- Systems and control theory
- Circuits
- Communication systems
- Power systems
- Computer networks
- Software development
- Other comparable fundamental engineering or physics disciplines
- Relevant experience supporting engineering systems across the lifecycle (design, development, testing, deployment, operations, maintenance, or sustainment).

### **Desired Competencies:**

The ideal candidate demonstrates knowledge or experience in one or more of the following areas:

- Cybersecurity
- SIGINT
- Communications and telecommunications
- Electrical or computer engineering
- Computer science
- Data management and processing
- Network architecture
- Software design, development, and implementation

Additional desired experience includes:

- Systems engineering principles and methodologies
- Technology/System Readiness Assessments
- Modeling and simulation
- Security design engineering
- Test and evaluation
- Systems architecture frameworks and standards

Certifications such as DAWIA, Cisco, INCOSE, or related credentials are beneficial but not required.

### **Successful Candidate Profile:**

- Demonstrate strong analytical and problem-solving skills
- Communicate effectively with technical and non-technical stakeholders
- Show leadership potential and the ability to work collaboratively across functional teams
- Are motivated to continuously learn and adapt to evolving technical environments
- Bring innovative thinking to complex engineering challenges

### **About The Outpost:**

**The Outpost** supports federal agencies in identifying, recruiting, and deploying high-caliber technical talent to meet evolving mission needs. We work closely with government stakeholders to ensure mission alignment, technical excellence, and long-term program success.

Apply at [careers@theoutpost.com](mailto:careers@theoutpost.com)