Air Force Nuclear Weapons Center (AFNWC)

Come be a part of something big! Smart Minds, Cool Jobs and Awesome Rewards! Fueled by innovation, talent and ambition, the Air Force Civilian Service (AFCS) is seeking civilian professionals prepared to deploy war-winning capabilities on behalf of the United States Air Force.

**OPEN: FEBRUARY 23, 2021**
**CLOSES: MARCH 9, 2021**

Air Force Nuclear Weapons Center (AFNWC) is currently seeking a **full-time non-supervisory General Engineer** (986642) to work in the Ground Based Strategic Deterrent (GBSD) System Program Office (**GBSD Mission Defense Branch**) Operating Location at Crystal City, Virginia.

This position is an NH-0801-04 which has a typical 2021 salary range of **$122,530 - $172,500**.

This position supports the design, development, and delivery of the GBSD weapon system in Air Force Materiel Command’s Air Force Nuclear Weapons Center, GBSD Directorate, Systems Engineering & Integration Division, and Mission Defense Branch providing technical expertise to all personnel, programs, support missions, associates, and customers internal and external to the Mission Defense Branch area of responsibility. The primary purpose of this position is to provide technical support for Cybersecurity, Program Protection, Intel/counter-intel integration, Supply Chain Risk Management, Adversarial Emulation, and Unauthorized Launch within the Mission Defense Branch.

**SKILLS:**

Candidates should have a strong background in professional engineering principles, Model Based Systems Engineering (MBSE), Modeling, Simulation & Analysis (MS&A) and exploitation of critical weapon systems. Furthermore, the candidate will have a strong understanding of Nuclear Weapon System Certification and all aspects of defense related to DoD Nuclear Weapon systems. Ability to integrate and collaborate with multiple organizations to include: AFSEC, AFNWC/NT, STRATCOM, NASIC, MSIC, DIA, SNL, NAVY-SSP, MDA, AFGSC, HAF/A10, and OSD Nuclear Matters.

**DUTIES:**

- Support development of critical MBSE artifacts and algorithms to improve/reduce the nuclear certification timeline.
- Engage in Digital Engineering concept planning; design and development; integration, testing and verification at the system, element or component level.
- Work in MBSE specialty areas, which include but are not limited to Systems Engineering, Aerospace, Missiles, Nuclear Weapons Delivery Systems, Command and Control, Modeling and Simulation, Cyber, and Systems Architecture.
- Provide technical expertise and management for critical government activities such as implementation of the System-Theoretic Process Analysis for Security (STPA-SEC), Unified Certification Strategy (UCS) development of the Adversarial Assessment team, Unauthorized Launch analysis, weapon system cybersecurity assessments and Authorization to Operate (ATO).
• Support technical reviews of products delivered to ensure Contractor development activities progress to meet program schedule and technical objectives for the GBSD EMD and Production phases.
• Advise on technical design, material development, acquisition, test, and operational issues related to requirements, systems engineering, finance, performance, and schedule trade-offs.
• Identify and resolve highly complex problems crossing organizational boundaries and promulgate solutions.
• Develop and present technical briefings and reports to Senior Executives.
• Engage with an extended and geographically dispersed team including subject matter experts from across the GBSD Systems Directorate, 309 SWEG, the GBSD Integration Support Contractor, MITRE, Aerospace, JHU-APL, RAND, and Navy CRANE to ensure GBSD technical activities successfully planned, coordinated, and executed.

REQUIREMENTS FOR THE POSITION:
• U.S. CITIZENSHIP
• Fully adjudicated Top Secret clearance within the past 5 years.
• Digital Engineering and/or MBSE experience highly preferred.
• Bachelor of Science degree in Engineering from an Accreditation Board of Engineering and Technology (ABET) accredited college or university.
• Employee will be required to handle and safeguard sensitive and/or classified information in accordance with regulations to reduce potential compromise.
• Employee may occasionally require travel away from the normal duty station.
• Employee may be required to work overtime or an irregular work shift.
• This position has been designated as an acquisition position and is covered by the Acquisition Professional Development Program (APDP). The employee must meet, or be capable of meeting, Defense Acquisition Work Improvement Act (DAWIA) requirements applicable to the duties of the position. Employee is expected to meet Continuous Acquisition Education requirements. Systems Planning, Research, Development and Engineering Program (SPRDE) Level III is required within 24 months of appointment.
• In accordance with the Ethics in Government Act, 1978, employee may be required to file an OGE Form 450, Confidential Financial Disclosure Report, upon appointment and will be required to file annually.

When applying at the link below, please use Microsoft Edge or Google Chrome.

Permanent Change of Station (PCS) will be covered. Recruitment/Relocation expenses may be covered.

Visit the AFNWC webpage to see the current vacancies at https://www.afnwc.af.mil/About-Us/Jobs/
To receive additional information about current and future job openings with AFCS via email notification, please register at: [www.Afciviliancareers.com/linkedin-careers](http://www.Afciviliancareers.com/linkedin-careers) and sign up to “Get Career Updates.”