



U.S. Senate Sergeant at Arms Human Resources

Vacancy Announcement

Reposting (Previous applicants need not reapply.)

POSITION:	Wireless Network Engineer
DEPARTMENT:	Technology Development Services / Network Engineering and Management / Wireless Network Infrastructure
REQUIREMENTS:	See attached Position Description
SALARY RANGE:	\$78,051 - \$117,072
CONTACT:	U.S. Senate Sergeant at Arms, Human Resources Senate Hart Building SH-142 Washington, DC 20510 Phone: (202) 224-2889 Fax: (202) 228-2965 Email: resumes@saa.senate.gov
POSTING DATE:	Monday, May 07, 2018
DEADLINE FOR APPLICATIONS:	Monday, May 21, 2018

All applicants must submit a U.S. Senate Sergeant at Arms Application for Employment with a cover letter and current resume to the Human Resources Department.

VETERANS EMPLOYMENT OPPORTUNITY ACT

Hiring for this position is governed by the Veterans Employment Opportunity Act of 1998 (“VEOA”), as made applicable by the Congressional Accountability Act of 1995 (“CAA”). Pursuant to the VEOA, qualified applicants who are not current employees of the Office of the Senate Sergeant at Arms and who are disabled or who have served on active duty in the Armed Forces during certain specified time periods or in certain military designated campaigns (“veterans”) may be eligible to receive a preference over non-veterans in hiring decisions. Family members of veterans may also be eligible to receive a veterans’ preference if the veteran cannot claim his or her veterans’ preference.

To be eligible for a veterans’ preference, applicants must meet all of the requirements set forth in the VEOA and applicable regulations. Those eligibility requirements are summarized in the Application for Veterans’ Preference, which is available at www.senate.gov/saaemployment.

If claiming a veterans’ preference, an applicant must indicate that he/she is preference eligible on the application or resume and must submit a completed copy of the Application for Veterans’ Preference along with the supporting documentation specified on that form. If the Office of the Senate Sergeant at Arms does not receive the Application for Veterans’ Preference and supporting documentation by the closing date, the applicant’s claim for a veterans’ preference may be denied.

Applicants may obtain a copy of the Office’s Veterans’ Preference In Appointments policy by submitting a written request to resumes@saa.senate.gov.

Individuals who are entitled to a veterans’ preference are invited to self-identify voluntarily. This information is intended solely for use in connection with the obligations and efforts of the Office of the Senate Sergeant at Arms to provide veterans’ preference to preference-eligible applicants in accordance with the VEOA. An applicant’s status as a disabled veteran and any information regarding an applicant’s disability, including the applicant’s medical condition and history, will be kept confidential and will be collected, maintained and used in accordance with the Americans with Disabilities Act of 1990, as made applicable by section 102(a)(3) of the CAA, 2 U.S.C. §1302(a)(3). An applicant who declines to self-identify as a disabled veteran and/or to provide information and documentation regarding his/her disabled veteran’s status will not be subjected to an adverse employment action, but the individual may be ruled ineligible for a veterans’ preference.



WIRELESS NETWORK ENGINEER

NATURE OF WORK

This is professional work securing, maintaining and monitoring the Senate's 802.11 wireless data network. This position is responsible for the planning, development, provisioning, troubleshooting, and implementation of the wireless data infrastructure on Capitol Hill and alternate locations. This position performs an ongoing analysis for the wireless data network infrastructure. This position liaises with the Senate user community in addition to other engineering and management staff to ensure efficient coordination of all section efforts. Work is performed under the general direction of a Manager, who reviews work for accuracy and adherence to policies and procedures.

EXAMPLES OF WORK

(This list is not absolute or restrictive, but indicates approximate duties and responsibilities which may be redefined pursuant to operational needs.)

- Maintains and monitors wireless LAN and data throughout the Senate campus, including off-site facilities; participates in restructuring, office moves, and renovations in Senate offices, in support of the wireless network infrastructure.
- Troubleshoots wireless LAN problems within Senate offices; responds to wireless network infrastructure, emergencies and malfunctions.
- Monitors the wireless data network for availability and suitability.
- Conducts site surveys, reviews current wireless coverage maps and determines additional wireless requirements.
- Creates and manages documentation and procedures, including equipment inventory of wireless network devices.
- Collects statistics and tracks trends on wireless network performance for analysis.
- Analyzes, configures, upgrades, moves, and administers modifications and additions to the wireless network infrastructure.
- Assists in the planning, research, development and engineering of the wireless network infrastructures on the Senate campus and alternate locations; assists in the development of the wireless network infrastructure to ensure adequate capacity and coverage for future requirements of the Senate; makes recommendations for new devices, technologies, and/or software optimization to management.
- Trains/cross trains the user community and fellow employees on the wireless network processes, procedures and systems technology; liaises with the Senate Support Team and other SAA Departments to ensure proper use of wireless access.



PHYSICAL DEMANDS AND WORKING ENVIRONMENT

Work requires frequent physical effort such as crawling, bending, sitting or standing for long periods of time, climbing, pulling and safely lifting items up to 100 pounds and use of a computer keyboard. Work requires on-call, weekend and after-hours support.

MINIMUM QUALIFICATIONS

Work requires a Bachelor's Degree in computer science, telecommunications, or electrical engineering; and five to eight years' work experience in supporting data networks; or any equivalent combination of education and experience that provides the following knowledge, abilities and skills:

- Knowledge of 802.11 wireless networking technologies, data network technologies, troubleshooting and test equipment, Ethernet switching and TCP/IP.
- Knowledge of RF spectrum and expected behaviors, specifically in the 2.4GHz and 5GHz bands.
- Ability to operate wireless communications networks.
- Ability to diagnose and resolve wireless data problems.
- Ability to operate technical equipment, components and testing equipment.
- Ability to communicate effectively.

LICENSES, CERTIFICATION AND OTHER REQUIREMENTS

Cisco Certified Network Associate (CCNA) or Cisco Certified Network Associate Wireless (CCNA Wireless) or equivalent knowledge and/or work experience preferred.

Position may require the ability to obtain and maintain a security clearance.

Wireless Network Engineer Addendum

Wireless Network Engineer

The United States Senate Sergeant at Arms (SAA) is seeking a qualified Wireless Network Engineer to join the Network Engineering and Management Wireless Infrastructure Group. Incumbents will use advanced technologies to secure, maintain, and monitor the Senate's 802.11 wireless data network. This position is responsible for the planning, development, provisioning, troubleshooting, and implementation of the wireless data infrastructure on Capitol Hill and alternate locations. This position performs an ongoing analysis for the wireless data network infrastructure. This position liaises with the Senate user community in addition to other engineering and management staff to ensure efficient coordination of all section efforts. Work is performed under the general direction of a Manager, who reviews work for accuracy and adherence to policies and procedures.

Examples of Work

- Maintains and monitors wireless LAN data throughout the Senate campus, including off-site facilities; participates in restructuring office, moves, and renovations in Senate offices, in support of the wireless network infrastructure.
- Troubleshoots wireless LAN problems within Senate Offices; responds to wireless network infrastructure emergencies and malfunctions.
- Monitors the wireless data network for availability and suitability.
- Conducts site surveys, reviews current wireless coverage maps, and determines additional wireless requirements.
- Creates and manages documentation and procedures, including equipment inventory of wireless network devices.
- Collects statistics and tracks trends on wireless network performance for analysis.
- Analyzes, configures, upgrades, moves, and administers modifications and additions to the wireless network infrastructure.
- Assists in the planning, research, development, and engineering of the wireless network infrastructure on the Senate campus and alternate locations; assists in the development of the wireless network infrastructure to ensure adequate capacity and coverage for future requirements of the Senate; makes recommendations for new devices, technologies, and/or software optimization to management.
- Trains/cross trains the user community and fellow employees on wireless network processes, procedures and systems technology; liaises with the Senate Support Team and other SAA Departments to ensure proper use of wireless access.

Physical Demands and Working Environment

Work requires frequent physical effort such as crawling, bending, sitting or standing for long periods of time, climbing, pulling and safely lifting items up to 100 pounds. Work requires on-call, weekend and after-hours support.

Minimum Qualifications

- Work requires a Bachelor's Degree in computer science, telecommunications, or electrical engineering; and five to eight years' work experience in supporting data networks; or any equivalent combination of education and experience that provides the following knowledge, abilities and skills:
- Knowledge of 802.11 wireless network technologies, data network technologies, troubleshooting and test equipment, Ethernet switching and TCP/IP.
- Knowledge of the RF spectrum and expected behaviors, specifically in the 2.4GHz and 5GHz bands.
- Ability to operate wireless data communications networks.
- Ability to diagnose and resolve wireless data problems.
- Ability to operate technical equipment, components and testing equipment.
- Ability to communicate effectively.

Desirable Experience

- Experience with Cisco Wireless Lan (WLAN) Controllers and Access Points (APs).
- Experience with Cisco Identity Service Engine (ISE).
- Experience with Cisco Prime Infrastructure for Wireless
- Licenses, Certification and Other Requirements
- Cisco Certified Network Associate (CCNA) or Cisco Certified Network Associate Wireless (CCNA Wireless) or equivalent knowledge and/or work experience preferred.

Position may require the ability to obtain and maintain a security clearance.

The successful applicant must be able to work independently and be an effective team member. The position requires solid analytical and technical skills, and the ability to learn new technologies quickly. Effective verbal and written communication skills are essential.