

Employment Opportunity



8802 27th Ave NE, Tulalip, WA 98271

Office: 360-716-5000

JOB TITLE: Broadband System Engineer

PAY RANGE: \$40.42-\$60.63.

DEPARTMENT: Salish Networks, Inc.

JOB DESCRIPTION: The Broadband System Engineer will provide support for all Salish Networks Cable TV, Internet and Telecommunications projects and activities. This position will work with the Senior Broadband System Engineer to provide design, configuration, and administration of the Cable TV/High Speed Internet Access (HSIA) services and equipment. This position will also perform installation, configuration, maintenance, and repair of Cable TV and Broadband systems, equipment, and infrastructure, and provide technical support for Cable TV operations/HSIA provider and subscriber equipment.

TO APPLY: Complete the web form application located on the Quil Ceda Village Self Service portal: <https://quilcedavillagewa.munisselfservice.com/ess/employmentopportunities/default.aspx>. For more information or questions, please visit: <http://quilcedavillage.org/Employment> or call Quil Ceda Village Human Resources at 360-716-5016.

NOTE: The Tulalip Tribes publicly announces that Indian Preference in hiring applies to Tulalip job opportunities.

EMPLOYEE CLASSIFICATION: Non-Exempt

EMPLOYEE REPORTS TO: Network Manager

EMPLOYEE SUPERVISES: None.

EDUCATION:

- High School Diploma

SKILLS:

- Must have the ability to perform software installation, configuration, and upgrades to Broadband data systems.
- Thorough knowledge of Cable TV/High Speed Internet Access (HSIA) provisioning systems for Cable Modes, Cable TV boxes, Transceivers, and Termination Systems (CMTS).
- Thorough knowledge of TCP/IP, DHCP, DNS, SNMP, SMTP, POE, IMAP and other networking protocols.
- Thorough knowledge of network routers, router Operating Systems configuration, and related routing protocols.
- Working knowledge of Windows operating systems.
- Working knowledge of Microsoft Windows Server operating systems Must have excellent verbal and written communication skills.
- Working knowledge of AutoCAD, Pathtrack, TrueView, BBX, OpenSRS, and CherryPicker software applications are preferred.

- Ability to work independently with minimal direction.
- Knowledge of Telephony systems and Telecommunications data lines.
- Familiarity with Cable TV systems RF combining network equipment and architecture.
- Knowledge of design, configuration and maintenance of the Hybrid fiber-coaxial system.
- Knowledge of LAN/WAN networking topologies.
- Knowledge of EIR/TIA network standards and network protocols.
- Knowledge of Open Source Webmail server systems (Unix, Apache, Linux, etc.).

EXPERIENCE:

- Minimum of three (3) years' experience supporting Cable TV provisioning, programming, and troubleshooting systems and equipment.
- Minimum of three (3) years' experience providing technical support for HSIA subscriber equipment.
- Minimum of three (3) years' experience supporting telecommunications data infrastructure equipment.

OTHER REQUIREMENTS:

- Must be able to pass background checks as required.
- Must be willing to attend progressive job-related training as necessary.
- Must be able to work evenings, weekends, and/or holidays as needed.
- Must have a successful employment history with the Tulalip Tribes and/or other current and past Employers.

PHYSICAL CHARACTERISTICS AND/OR PREREQUISITES:

- Manual and finger dexterity for the operation of a personal computer and routine paperwork.
- Stamina to stand and/or walk for prolonged periods of time.
- Tolerance to be exposed to a computer screen for prolonged periods of time on a regular basis.
- Mobility to bend, stoop, and/or climb stair on an occasional basis.
- Ability to lift and carry 40 lbs. on a frequent basis.

SPECIFIC JOB PERFORMED:

- Under the direction of the Sr Broadband Engineer, performs engineering activities associated with the design of fiber networks in conjunction with meeting project timelines.
- Prepares detailed construction and installation drawings and estimates equipment, labor, and material costs.
- Works with Sr Broadband Engineer in the installation, configuration, and management of Cable TV/HSIA provisioning systems and services.
- Develop, monitor, and manage subscriber Internet access rules and policies for the Cable TV/HSIA service to improve and maintain Quality of Service.
- Monitoring of existing Cable TV and Telephony data network capacity, adding new capacity and configuring services to stay ahead of growth.

- Manage security, availability, and reliability of the cable TV HSIA service environment.
- Prepare and maintain logs, reports, and system statistical data including report generation.
- Works with Sr Broadband Engineer to design, configure and maintain Cable TV data systems and equipment.
- Assist in the design, documentation, configuration, and maintenance of the Hybrid fiber-coaxial systems.
- Technical support for configuration of Cable TV provider and subscriber equipment.
- Works with Sr Broadband Engineer to provide problem response and resolution to end-users of Salish Networks systems and services.
- Perform software installations and upgrades to HSIA system servers, CMTS, and Cable TV database servers.
- Under the direction of the Sr Broadband Engineer, performs Telecommunication and Cable TV system preventative and corrective maintenance.
- Participate in continued education opportunities as required or as necessary for successful completion of assigned task.
- Assist with special events (specifically PPV events) for subscriber assistance where needed.
- Force order special events for customers having issues with ordering any kind of PPV event.
- Plan use of facilities connecting stations comprising a network to cover changing conditions and requirements.
- Assures television program elements are smoothly transmitted and transmissions meet FCC requirements.
- Reviews program schedule to be linked to the network station, and determines best use.
- Test facilities prior to broadcast time to determine readiness of the program to be broadcast.
- Under the direction of the Sr Broadband Engineer, prepares engineering estimates of equipment installations or modification of existing equipment.
- Coordinate all engineering projects for VoIP/IP initiatives, planning technology roadmaps, configuring and optimizing all VoIP/IP telephone systems and services, both internally and those integrated with Internet-based services. Also, the Broadband System Engineer will maintain SLAs for all organizational VoIP telephony applications.
- Performs other related duties as deemed necessary or requested.

TERMS OF EMPLOYMENT:

This is a Regular Full-time position, requiring at least 40 hours per week, or 2080 hours per year. Employee may be required to work after hours, weekends, special events and/or on call. Upon successful completion applicable probationary period employee may be eligible for an increase in pay, subject to budgetary restriction. Employees will be required to work on-site, no telecommuting. No provisions for relocation will be provided.

Disclaimer: The information provided in this description has been designed to indicate the general nature and level of work performed by incumbents within this job. It is not designed to be interpreted as a comprehensive inventory of all duties, responsibilities, qualifications and working conditions required of employees assigned to this job. Management has sole discretion to add or modify duties of the job and to designate other functions as essential at any time. This job description is not an employment agreement or contract.