

**Maquoketa Valley Electric Cooperative
Job Description**

Fiber Technician

SUMMARY

The Fiber Technician assists in providing continuous and reliable data services by installing, testing, and maintaining all fiber plant and field networking equipment.

ESSENTIAL DUTIES AND RESPONSIBILITIES

The duties listed below are intended to describe the general nature and level of work being performed by the individual. They are not intended to be construed as an exhaustive list of all responsibilities. The Fiber Technician shall be required to perform any other duties assigned in order to fulfill the objective of the Cooperative.

- Able to install, terminate, and splice fiber.
- Able to install, maintain, and trouble shoot GPON headend and hub networking equipment.
- Able to understand, troubleshoot, maintain, and repair GPON fiber to the home networks.
- Have knowledge in construction and operation of overhead and underground fiber communication lines, tools, trucks, and related equipment.
- Able to complete in home installations and interact with members for installation and issue resolution regarding data services
- Able to use all hand tools, implements, devices, equipment and material coincident with work to be completed.
- Able to work on communications equipment in both the communication and power space.
- Work in conjunction with the Fiber Plant Manager to ensure internet hubs are installed, tested, and ready for customer connections as required.
- Coordinate with Technical Services Manager on installation and maintenance issues
- Perform quality control inspection of contractors as needed and inspect work after completion to ensure that it has been done in accordance with RUS communication standards and other applicable specifications and codes.
- Respond to network outages in order to get fiber communication system restored in a timely manner.
- Perform work in a safe manner for themselves and all employees and in accordance with Cooperative Operating Procedures.
- Complies with all traffic laws, safety rules and regulations while operating assigned vehicle. Should at all times, look out for the safety of the vehicle, its occupants and its load.

SUPERVISORY RESPONSIBILITIES

This position has no supervisory duties.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Competencies

An individual should demonstrate the following competencies:

- Ability to read, analyze, and interpret technical manuals
- Must be able to work and communicate with a variety of people under varying circumstances.
- Must be able to organize work, set priorities and complete assignments in a thorough manner with attention to detail and a high degree of accuracy.
- Must have excellent organizational and multi-tasking skills, as well as excellent verbal and written communication skills
- Must show initiative to take on increased responsibilities and demonstrate persistence and the ability to overcome obstacles.
- Must be innovative and able to think creatively to solve problems
- Must have the ability to define problems, collect data, establish facts and draw valid conclusions
- Must be able to operate computers and associated software programs
- Must observe all safety procedures and report unsafe conditions.
- Must strive to continuously build knowledge and skills by pursuing training and development opportunities.

Education and/or Experience

Associates degree in Telecommunications Engineering Technology or at least 5 years of related work experience is preferred

Language Skills

This position must be able to effectively communicate with both internal and external parties in an effective manner. This position must have the ability to read, analyze and interpret technical manuals as well as the ability to effectively present information and respond to questions from managers and co-workers.

Mathematical Skills/Computer Skills

This position requires basic math skills. An individual must be able to operate computers and associated software programs without assistance and should have network management training or experience.

Required licensing or certifications

Valid Iowa driver's license.

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. While performing the duties of this job, the employee is regularly required to sit, use hands to finger, handle or feel; reach with hands and arms; and talk and hear. The employee is required to stand and climb stairs and ladders. The employee is required to walk and must be physically able to traverse various types of terrain including the climbing of poles. The employee must be physically able to crawl into enclosed areas. The employee will regularly lift 50 pounds and occasionally lift up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, and ability to adjust focus.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. A combination of inside and outside work in all kinds of weather will be required. Work will be done as part of a team as well as individually. Irregular hours including nights, weekends and holidays may be involved particularly during emergency situations. **Overtime is required.**

EXTERNAL RELATIONSHIPS

This position will also work frequently with people outside the Cooperative, extending a positive professional image of Maquoketa Valley Electric Cooperative in all communication and actions.

Member-Consumers: Advises and assists member –consumers in every way possible. Takes advantage of the opportunity to obtain increased understanding and acceptance of cooperative objectives, policies, plans, and programs.

General Public: Maintains friendly, cooperative relationships with the general public in the performance of responsibilities.