

MTA Long Island Rail Road is looking for: **Assistant Signalman - Communications Systems Maintenance / Systems Radio**

100% Hourly Rate of Pay: \$40.83* (See Wage Progression Chart)

Systems Maintenance

Responsible for the installation and maintenance of underground cable systems, tunnel cable systems, wayside and office voice/data/video communications and cable systems, voice/data/video transport systems, IP systems, electronics and enclosures/huts/rooms, radio systems, security systems, customer information systems, optical systems, alarm systems. All systems elements (hardware/software /interfaces, etc.) are included. The individual will be responsible to demonstrate sufficient aptitude to learn this information and accept training. The individual must perform all assigned tasks safely and responsibly.

Systems Radio

The individual is expected to work under the direction of other members of the Communications Department and learn the work generally recognized as communications work under the scope of the Brotherhood of Railroad Signalmen (BRS) agreement with the LIRR. Communications work includes, but is not limited to, the installation and maintenance of VHF radio systems, Positive Train Control (PTC) radio systems, data radio systems, point to point and Line of Sight (LoS) systems including ancillary equipment and underground cable systems, tunnel cable systems, conduit, Distributed Antenna Systems (DAS), Radio Over IP (ROIP), Software Defined Radio (SDR), etc. All systems elements (hardware/software/interfaces, etc.) are included. Knowledge of wired system interfaces and equipment (IP, T1, etc) is required. The individual will be responsible to demonstrate sufficient aptitude to learn this information and accept training. The individual must perform all assigned tasks safely and responsibly. The Company provides a training program consisting of both classroom and field training. Failure to qualify as a Mechanic within the four (4) year training program will result in termination of employment. Qualification as a Mechanic (Radio Tech) requires the candidate pass a written oral and practical test, receive good reviews, demonstrate proficiency in tools and techniques used to install and troubleshoot equipment.

Responsibilities

Responsibilities may include but are not limited to:

- Install and maintain underground cable systems, tunnel cable systems, wayside and office voice/data/video communications and cable systems, voice/data/video transport systems, IP systems, electronics and enclosures/huts/rooms, radio systems, security systems, customer information systems, optical systems and alarm systems.
- Excavate along right-of-way for installation of signal cables, and foundations for communications huts and outdoor equipment enclosures.
- Trim trees, cut brush, and paint various signal and communications equipment.
- Assist mechanics in the assembly, installation and testing of communication equipment/electronics.

- Provide protection for gangs in accordance with LIRR Rules and Roadway Worker Safety Rule, and all other duties normally considered as signal and communications work.
- Grind/drill/cut using power tools within confined area.
- Operate dust, grit or fume producing power tools or machinery.
- Operate sand, grit or shot blasting tools or machinery.
- Perform other work involving acids, toxic materials, gases, or fumes.
- Use of emergency generators.
- May be asked to serve as watch person for assigned work gang while on the right-of-way.

Qualifications

- A four-year high school diploma or its educational equivalent (GED or TASC) approved by a State's Department of Education or recognized accredited organization required.
- Must have a demonstrated aptitude for electronic/electrical work with the ability to use various hand tools.
- Must possess some electronics or electrical experience.
- Must possess a basic electronic background, either acquired through formal training and/or practical experience, including knowledge of OHM's law and series/parallel circuits.
- Must have ability to perform heavy lifting tasks up to 100 lbs.
- Must possess demonstrated ability to work with others, demonstrating a professional attitude at all times.
- Must possess a valid driver's license.
- Must be skilled in the use of various hand tools.
- Must qualify as a Mechanic within a four-year period. Employees who fail to qualify within the four-year period are subject to termination of employment.
- For promotion to Mechanic, must possess CDL B driver's license, and demonstrate his/her proficiency via oral/written and /or practical examinations.
- Must pass a written electrical test, panel interview, and practical exam to proceed through the selection process.
- Candidates hired into the position must complete a computer-based training program.

Preferred/Desirable Skills/Qualifications:

- A two year technical degree from accredited school OR completion of any electronics training program.
- Field/office work on any of the following: Security intrusion detection systems and CCTV. Telephone systems, Computers; Data Networking systems, Public Address Systems; General Electronic Equipment; Voice/Data/Video Transport Technologies, including optical transport systems.
- FCC General Radio Operator License (GROL)
- Networking (CCENT, CCNA, etc.) certifications or related training.
- Prior knowledge of Communications, information systems, security systems.
- Military Electronics; Telephone Installation; Electronics Repair/Maintenance; Other Railroad/Transit Communications Departments; Prior construction helper or heavy lifting experience.
- Strong troubleshooting skills.

- Working knowledge of electronic systems including PBX, CCTV, Radio, Networking, intrusion detection/access control, etc.
- Use of various types of electronic test equipment (Multimeters, OTDRs, IFRs, etc.).

Wage Progression:

Wage Progression for new employees hired after 9/24/14:

70% - 1st 365 Calendar Days - \$28.586

70% - 2nd 365 Calendar Days - \$28.586

75% - 3rd 365 Calendar Days - \$30.628

80% - 4th 365 Calendar Days - \$32.670

95% - Assistant Signalman subject to wage progression who are permanently promoted to Mechanic positions

will be paid 95% of Mechanic's rate - \$40.331

To apply, go to the MTA Employment Portal at: <https://new.mta.info/careers> and click on See all open MTA positions and search for: Assistant Signalman, Job ID 101059.

Equal Employment Opportunity

MTA and its subsidiary and affiliated agencies are Equal Opportunity Employers, including with respect to veteran status and individuals with disabilities.

The MTA encourages qualified applicants from diverse backgrounds, experiences, and abilities, including military service members, to apply.