

ELECTRONIC TECHNICIAN

Recruitment #1805-0842pd-001

List Type	Original
Requesting Department	Milwaukee Police Department
Open Date	6/8/2018 08:00:00 AM
Filing Deadline	6/29/2018 11:59:00 PM
HR Analyst	Marti Cargile

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INTRODUCTION

Located on the western shore of Lake Michigan, Milwaukee is an urban hub bursting with energy. Milwaukee provides a casual sophistication – big city appeal without the big city hassles. We are accessible and affordable, and our residents are welcoming. Milwaukee has evolved through the years, bringing together its unsurpassed old world charm with a breathtaking Art Museum, top-flight arts and cultural attractions, professional sports, lakefront festivals, recreational opportunities, and great restaurants.

PURPOSE

Under the direction of the Electronic Technician Supervisor, the Electronic Technician installs, repairs, and maintains a wide range of fixed-site and mobile radio communications equipment used by the Milwaukee Police Department (MPD) and other City departments.

ESSENTIAL FUNCTIONS

- Install, repair, and maintain fixed-site radio communication equipment such as GPS systems, base stations, voting receiver systems, IP dispatch consoles, control stations, power distribution systems, T1 shelves, fiber optics and routers, Ethernet wireless bridges, point-to-point microwave systems, channel banks, generators, wireless and wireline backhaul equipment, antennas, auxiliary receivers, and amplifiers.
- Install, repair, and maintain mobile radio communications equipment such as portable radios, mobile radios, control stations, consoles, speed measuring radars, lasers, chargers, and microphones.

- Ensure that all equipment is maintained to Federal Communications Commission (FCC) rules and standards.
- Develop, construct, and install specialized electronic systems.
- Maintain communications facilities to ensure that they are clean and orderly.
- Pick up and deliver job-related equipment using City vehicles.

Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990, as amended by the Americans with Disabilities Act Amendments Act (ADAAA) of 2008.

CONDITIONS OF EMPLOYMENT

The Electronic Technician must be willing and able to do the following:

- Recognize the specific colors and color codes associated with electrical wiring.
- Work on step ladders, rooftops, and in confined spaces.
- Regularly lift objects weighing up to 60 lbs. and occasionally to 80 lbs.

MINIMUM REQUIREMENTS

1. Associate's degree in electronic technology, IT networking, or a closely related field from an accredited college or university.
2. Three years of recent experience installing, repairing, and maintaining two-way radio communications equipment and working with Internet Protocol (IP) networks, such as T1 shelves, fiber optics and routers, Ethernet wireless bridges, point-to-point microwave systems, and channel banks.
3. Valid Wisconsin Driver's License at the time of appointment and throughout employment.

Equivalent combinations of education and experience may also be considered.

IMPORTANT NOTE: *To be given credit for college coursework, college transcripts are required and must be received by the application period closing date. Transcripts should be attached to your online application. Applications without transcripts attached will be considered incomplete and will be rejected. Student/unofficial copies are acceptable; however, your transcript must be legible and include your college/university name, your name, the degree completed (if applicable) and the date completed.*

DESIRABLE QUALIFICATIONS

- Previous experience repairing portable hand-held and mobile two-way public safety radios.

- Knowledge of Project 25, TDMA, conventional, simulcast, and trunking technologies.
- Cisco Network Certifications and/or Cisco-based IP network, routing, and configuration experience.
- Windows Server, VMware, and/or Red Hat Enterprise operating systems experience.
- Experience with tower and antenna systems testing and diagnosis.
- Experience with Surface Mount Technology (SMT).

KNOWLEDGES, SKILLS, ABILITIES & OTHER CHARACTERISTICS

- Knowledge and understanding of electrical, electronic, and communications theory.
- Knowledge and understanding of Federal Communications Commission (FCC) rules and standards.
- Analytical and problem-solving skills to be able to diagnose and resolve technical problems occurring on mobile and fixed radio equipment.
- Ability to use technical equipment used in the diagnosis and resolution of electrical equipment failure.
- Soldering skills to be able to build, alter, and fix electronics.
- Manual dexterity and steady hands to be able to grasp, manipulate, and assemble objects.
- Knowledge of mathematics and basic algebra to figure basic calculations used in electronics.
- Computer and networking skills, including knowledge of job-specific and standard software programs.
- Ability to read and follow schematics, blueprints, and wiring diagrams.
- Ability to read and understand job-related documents such as policies, procedures, and manuals.
- Oral communication skills to be able to clearly explain technical information to staff.
- Written communication skills to effectively document work completed and respond to messages.
- Interpersonal and customer service skills, including the ability to relate well to sworn and civilian staff, vendors, and customers.
- Ability to work cooperatively and fairly with coworkers and patrons whose backgrounds may differ from one's own.
- Ability to work well both independently and as a contributing team member.
- Ability to plan, organize and prioritize workload in order to meet deadlines.
- Ability to maintain facilities to ensure that they are clean and orderly.

- Honesty, integrity, and the ability to safeguard City equipment.

CURRENT SALARY

The current salary range (Pay Range 3MN) for a City of Milwaukee resident is \$52,951-\$61,023 annually, and the non-resident salary range is \$51,652-\$59,526. *Appointment above the minimum is possible based upon level of experience and other qualifications and is subject to approval.*

The City of Milwaukee provides a comprehensive benefit program that includes the following:

- Defined Benefit Pension Plan
- 457 Deferred Compensation Plan
- Health and Dental Insurance
- Comprehensive Wellness Program
- Onsite Clinic Services
- Onsite Employee Assistance Program
- Alternative Work Schedules
- Long Term Disability Insurance
- Group Life Insurance
- Tuition Benefits
- Paid Vacation
- 11 Paid Holidays
- Paid Sick Leave and other paid leaves
- Flexible Spending Arrangement
- Commuter Value Pass

For full details of the benefits offered by the City of Milwaukee, please visit <http://city.milwaukee.gov/Benefits2018>.

SELECTION PROCESS

THE SELECTION PROCESS will be job related and will consist of one or more of the following: education and experience evaluation; written, oral, or performance tests, or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to oral and performance examinations. Oral examinations may include written exercises. Candidates must undergo and pass a background investigation prior to appointment.

INITIAL FILING DATE - The examination will be held as soon as practical after **Friday, June 29, 2018**. Receipt of applications may be discontinued at any time after this date without prior notice. However, recruitment may continue until the needs of the City have been met. Qualified applicants will be notified of the date, time, and place of the examination. Unless otherwise required by law, the City of Milwaukee will not provide alternative test administration.

The applicant is responsible for attending all phases of the job selection process at the time and place designated by the City of Milwaukee.

NOTE: Candidates must pass a Milwaukee Police Department background investigation before hire.

ADDITIONAL INFORMATION

- APPLICATIONS and further information may be accessed by visiting, <http://city.milwaukee.gov/jobs>.
- If you would like assistance completing an application, please contact the Department of Employee Relations at (414) 286-3751 or staffinginfo@milwaukee.gov.
- The Department of Employee Relations is located at City Hall, 200 E. Wells St., Room 706, Milwaukee, WI 53202.

CONCLUSION

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The City of Milwaukee values and encourages diversity and is an equal opportunity employer