

ELECTRONIC TECHNICIAN 1, 2, and 3

Recruitment #2602-7526PD-001

List Type	Original
Requesting Department	Milwaukee Police Department
Open Date	Friday, March 6, 2026
Filing Deadline	Friday, March 27, 2026
HR Analyst	Rebecca Bird

INTRODUCTION

The City of Milwaukee is proud to employ a diverse workforce committed to providing exemplary service to its residents. If you have a passion for being part of an inclusive team of public servants, please consider the following opportunity.

The Milwaukee Police Department (MPD) works closely with our community to help build sustainable, healthy neighborhoods, free of crime and maintained by positive relationships. For more information about the MPD, please visit <https://city.milwaukee.gov/police>.

The names of eligible candidates who successfully complete the selection process will be placed on the highest-level eligible list for which they qualify.

PURPOSE

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

Installation, Maintenance, and Repair

- Install, repair, and maintain core system infrastructure and end-user equipment for both Open Sky and Association of Public Safety Communications Officials Project 25 (APCO P25) radio systems, including networking infrastructure, computer systems, RF transmission, receive equipment and infrastructure, power generation and backup, dispatching consoles, and mobile/portable radios.
- Ensure that all equipment is maintained to Federal Communications Commission (FCC) rules and standards using specialized equipment such as Spectrum Analyzers and Service Monitors.
- Develop, construct, repair, maintain, and install specialized or custom electronic systems, using specialized techniques such as advanced soldering.

Communication Operations and Support

- Maintain communication with external agencies by use of the Inter-RF Subsystem Interface (ISSI).
- Maintain and troubleshoot communications with all local, county, state, federal, tribal, and military partners.
- Provide equipment and services using the Federal Emergency Management Agency (FEMA) Incident Command System (ICS) to facilitate communication at special events and dignitary visits.
- Pick up and deliver job-related equipment using City vehicles.
- Maintain communications facilities to ensure they are clean and orderly.

We welcome qualified individuals with disabilities who are interested in employment and will make reasonable accommodations during the hiring process 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

- Must be able to perform heavy physical work, exerting up to 100 lbs. of force occasionally and lifting and moving objects weighing 50 lbs. frequently.
- Must be able to perform physical activities in the work environment that require agility, including ascending or descending ladders, stairs, scaffolding, ramps or poles; walking and standing, crawling, crouching, stooping, kneeling, reaching, balancing, pushing and pulling.
- Must be able to withstand prolonged exposure to variable and extreme weather conditions including rain, wind, excessive heat, intense cold and snow.
- Manual dexterity and steady hands to be able to grasp, manipulate, and assemble objects.
- Ability to see colors in order to use color-coded wiring systems (cannot have color vision deficiency).
- The pre-employment medical requirements include:
 - Drug Test
 - Physical Exam with 100lb lift test
 - Audiogram
 - Vision Test, including color-blind test

NOTE: Candidates *must* pass an MPD background investigation before hire. Per the Criminal Justice Information Services (CJIS) security policy, your application will be rejected if you have been convicted of a felony.

MINIMUM REQUIREMENTS

Electronic Technician 1, 2, and 3

1. Associate degree in electronic technology, Information Technology (IT) networking, or a closely related field from an accredited college or university.
2. Valid Wisconsin Driver's License at the time of appointment and throughout employment.

Electronic Technician 2

- One year of experience installing, repairing, and maintaining two-way radio communications equipment and working with IP networks, including T1 shelves, fiber optics and routers, Ethernet wireless bridges, point-to-point microwave systems, and/or channel banks.

Electronic Technician 3

- Two years of experience installing, repairing, and maintaining two-way radio communications equipment and working with IP networks, including T1 shelves, fiber optics and routers, Ethernet wireless bridges, point-to-point microwave systems, and/or channel banks.

Equivalent combinations of education and experience may also be considered.

NOTICE: Please do not attach your academic transcripts to your employment application. The hiring department will verify candidates' education as part of the background screening process before extending any job offers.

DESIRABLE QUALIFICATIONS

- Certification of Incident Command System Procedure (ICS-100, ICS-200, and ICS-300)
- Certification of the Incident Command System as a Communications Lead (COM-L) or a Communications Technician (COM-T).
- Previous experience repairing portable hand-held and mobile two-way public safety radios.
- Knowledge of Project 25, Time Division Multiple Access (TDMA), encryption, conventional, simulcast, and trunking technologies.
- Cisco Network Certifications and/or Cisco-based IP network, routing, and configuration experience.
- Windows Server, VMware, Red Hat Enterprise operating systems experience.
- Experience with tower and antenna systems testing and diagnosis.
- Experience with Surface Mount Technology (MT).

KNOWLEDGE, SKILLS, ABILITIES & OTHER CHARACTERISTICS

Technical

- Knowledge and understanding of electrical, electronic, and communications theory.
- Ability to use technical equipment used in the diagnosis and resolution of electrical equipment failure.
- Ability to learn soldering skills to build, alter, and fix electronics.
- Ability to learn and apply knowledge and understanding of Federal Communications Commission (FCC) rules and standards.
- Knowledge of mathematics and basic algebra to perform basic calculations used in electronics.
- Computer and networking skills, including knowledge of job-specific and standard software programs.
- Ability to read and follow job-related documents, schematics, blueprints, and wiring diagrams.
- Analytical and problem-solving skills to diagnose and resolve technical problems occurring on mobile and fixed radio equipment.

Communication/Interpersonal

- Verbal communication skills to clearly explain technical information to staff.
- Written communication skills to effectively document work completed and respond to messages.
- Customer service skills, including the ability to relate well to sworn and civilian staff, vendors, and customers.
- Ability to work cooperatively and fairly with others whose backgrounds may differ from one's own.

Critical Thinking and Professionalism

- 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

Electronic Technician 1

The current salary range (Pay Range 3SN) is **\$69,936-\$87,305** annually, and the resident incentive salary range for City of Milwaukee residents is **\$72,734-\$90,798** annually. *Appointment above the minimum is possible based upon level of experience and other qualifications and is subject to approval.*

Electronic Technician 2

The current salary range (Pay Range 3TN) is **\$73,433-\$87,738** annually, and the resident incentive salary range for City of Milwaukee residents is **\$76,370-\$91,247** annually. *Appointment above the minimum is possible based upon level of experience and other qualifications and is subject to approval.*

Electronic Technician 3

The current salary range (Pay Range 3UN) is **\$77,204-\$92,244** annually, and the resident incentive salary range for City of Milwaukee residents is **\$80,292-\$95,934** annually. *Appointment above the minimum is possible based upon level of experience and other qualifications and is subject to approval.*

BENEFITS

The City of Milwaukee provides a comprehensive benefit program which includes:

- Wisconsin Retirement System (WRS) Defined Benefit Pension Plan
- 457 Deferred Compensation Plan
- Health and Dental Insurance
- Paid Parental Leave
- Comprehensive Wellness Program
- Onsite Clinic Services
- Onsite Employee Assistance Program
- Alternative Work Schedules

- Long Term Disability Insurance
- Group Life Insurance
- Tuition Benefits
- Paid Vacation
- 12 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 <https://city.milwaukee.gov/der/benefits>.

SELECTION PROCESS

THE SELECTION PROCESS will be job related and will consist of one or more of the following: an evaluation of education, experience and/or responses to supplemental questions; a written or performance test, a structured interview, or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to structured interviews and performance examinations. Structured interviews may include written exercises. Selection process component weights will be determined by further analysis of the job.

INITIAL FILING DATE – The selection process will be held as soon as practical after the deadline listed above. 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 selection process components. Unless otherwise required by law, the City of Milwaukee will not provide alternative selection process dates or times. The applicant is responsible for attending all phases of the job selection process at the time and place designated by the City of Milwaukee.

ADDITIONAL INFORMATION

- Applications and further information may be accessed by visiting www.jobapscloud.com/MIL.
- If you need help completing an application, please contact the Department of Employee Relations at (414) 286-3751 or staffinginfo@milwaukee.gov.
- The Department of Employee Relations is in City Hall, 200 E Wells St, Room 706, Milwaukee, WI 53202.

CONCLUSION

EEO Code = 303

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