ORIGINAL EXAMINATION

ELECTRONIC TECHNICIAN

MILWAUKEE POLICE DEPARTMENT

PURPOSE: The Electronic Technician installs, repairs, and maintains all radio communications equipment utilized by the Milwaukee Police Department and other city departments. Radio communications equipment includes mobile devices such as portable radios, mobile radios, navigation radar, chargers, microphones, etc.; and fixed-site equipment including, but not limited to: base stations, site routers, amplifiers, control stations, IP/wireline interfaces, wireless and wireline backhaul equipment, antennas, GPS, voters, auxiliary receivers, IP dispatch consoles, etc.

ESSENTIAL FUNCTIONS:

- Install, repair, and maintain fixed-site radio communication equipment including base stations, voting receiver systems, IP dispatch consoles, power distribution systems, T1 shelves, fiber optics/routers, Ethernet wireless bridges, point-to-point microwave systems, channel banks,generators, etc.
- Install, repair, and maintain mobile radio communications equipment including portable radios, mobile radios, control stations, consoles, speed measuring radar, laser, and GPS systems
- Maintain all equipment listed above, and other equipment, to Federal Communications Commission (FCC) rules and standards
- Develop, construct, and install specialized electronic systems as needed
- Maintain all communications facilities so 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.

MINIMUM REQUIREMENTS:

1. Two (2) years of full-time experience installing, repairing, and maintaining two-way radio communications equipment and working with IP networks including T1 shelves, fiber optics/routers, Ethernet wireless bridges, point-to-point microwave systems and channel banks. **Note:** This experience must have been obtained within the last five years of this position being announced.

AND

2. Associate's Degree in Electronic Technology, IT Networking *or* a closely related field.

NOTE: College transcripts are required and must be received within three business days after the application period closes. College transcripts may be either attached to the application, sent to *staffinginfo@milwaukee.gov* or sent to Box ET, Department of Employee Relations, Room 706, City Hall, 200 E. Wells St, Milwaukee, WI 53202. Student copies are acceptable. Only applications with transcripts will be considered; applications without transcripts will be rejected.

Note: Equivalent combinations of experience and/or training may also be considered

3. Valid driver's license at time of appointment and throughout employment.

DESIRABLE QUALIFICATIONS

- Previous experience repairing portable hand-held and mobile two-way public safety radios
- Excellent knowledge of Project 25, TDMA, conventional, simulcast, and trunking technologies
- Cisco Network Certifications and/or Cisco-based IP network/routing/configuration experience
- Sun Microsystems hardware/Sun Solaris (UNIX) server operating system expertise/experience
- Experience with tower systems, strobe/LED lighting, antenna mounting, feedline testing, etc.
- Experience with Surface Mount Technology (SMT)

KNOWLEDGE, SKILLS, & ABILITIES REQUIRED:

- Knowledge and understanding of electrical, electronic and communications theory
- Ability 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
- Knowledge and understanding of Federal Communications Commission (FCC) rules and standards
- Ability to read schematics, blueprints, wiring diagrams and other job-related documentation
- Ability to recognize the specific colors and color codes associated with electrical wiring
- Skill in job-related math and mathematical computations
- Intermediate computer skills, including Microsoft Windows, Word, Excel, Database software and Outlook
- Analytical and problem-solving skills
- Oral communication skills
- Written communication skills
- Interpersonal skills, including the ability to relate well to superior officers, co-workers, other departmental members, vendors and customers and work as part of a team.
- Ability to maintain professionalism during customer service interactions
- Ability to work under pressure and meet deadlines
- Ability to work independently
- Ability to work on step ladders, rooftops and in confined spaces
- Ability to regularly lift objects weighing up to 60 lbs.; occasionally lift up to 80 lbs

SALARY (PR3MN): The current starting salary is $ 52,951 annually for City of Milwaukee residents. The non-resident starting salary is $52,157 annually. An excellent benefit package is offered.
Recruitment is at $55,493 with three years of experience.
Recruitment is at $58,157 with four years of experience.

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. 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. Candidates must pass a background investigation prior to hire. 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.

The examination will be held as soon as practical after August 1, 2014. 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 by mail 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.

APPLICATIONS and further information can be obtained in person or via mail from City of Milwaukee Department of Employee Relations, 200 E Wells St, Room 706, Milwaukee WI 53202-3554, from www.milwaukee.gov/jobs, or by calling 414.286.3751.

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