

**STATE OF OHIO (DAS)**

CLASSIFICATION

SPECIFICATION

**CLASSIFICATION SERIES:**

Electronic Technician

**SERIES NO.:**

8441

**MAJOR AGENCIES:** Transportation, Rehabilitation & Correction,  
Mental Health, Mental Retardation & Developmental Disabilities**EFFECTIVE DATE:**

02/26/2012

**SERIES PURPOSE:**

The purpose of the electronic technician occupation is to repair, calibrate, install, service & perform preventative maintenance on all types of electronic equipment.

Repair & service of electronic radiation detection & monitoring equipment is performed by incumbents in Radiological Instrument Technician series, 8442.

Repair, installation & maintenance of voice telecommunication &/or electronic data processing equipment & peripheral network materials such as modems, terminals, cables, controllers, multiplexers, circuit boards, telephone lines, printers & telephones is performed by incumbents in Telecommunications Technician series, 5241.

**CLASS TITLE**

Electronic Technician

**CLASS NUMBER**

84411

**PAY RANGE**

29

**EFFECTIVE**

01/09/2005

**CLASS CONCEPT:**

The full performance level class works under general supervision & requires considerable knowledge of electronics & skill in use of electronic bench test equipment in order to install, repair & perform preventative maintenance on electronic equipment (e.g., salt spreaders; traffic control devices; arrow boards; infrared height detectors; mechanical & hydraulic systems; counting equipment; loop & speed detectors; television broadcast equipment; televisions & closed circuit televisions; detection & security systems; electric doors & switches; radio systems).

<u>CLASS TITLE</u>	<u>CLASS NUMBER</u>	<u>B. U.</u>	<u>EFFECTIVE</u>	<u>PAY RANGE</u>
Electronic Technician	84411	07	01/09/2005	29

**JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)**

Installs, services, diagnoses, calibrates, repairs & performs preventative maintenance on electronic equipment (e.g., vehicle mounted electronic road testing systems used to test road surfaces; antenna cable systems; public address & intercom systems; salt spreaders; traffic control devices; arrow boards; infrared height detectors; welders; automotive, mechanical & hydraulic systems; counting equipment; loop & speed detectors; television broadcast equipment; televisions & closed circuit televisions; detection & security systems to include closed circuit TV; perimeter detection alarm system; electronic locking controls & man-down radio; nuclear moisture/density & asphalt content gauges; fire protection systems; telephone systems; electric doors & switches; mobile & two-way radio systems).

Designs & prepares installation & modification proposals & cost estimates; calculates & records test results; writes equipment specifications for bids invitation; prepares site location layouts; completes records & reports.

Performs security checks for contraband in inmate radios & televisions coming into institution; transports nuclear gauges according to state & federal regulations; work with locksmith to diagnose & correct component failures in electronic cell door locks.

Schedules appointments & repairs; compares invoices, purchase orders; reviews requisitions for accuracy; estimates project costs; orders supplies, equipment & parts & maintains inventory; maintains liaisons with manufacturers; trains field crews on use & care of equipment; meets with power companies to obtain power drops & approval of site location & layout; provides work direction & training over personnel if assigned to assist on work details.

**MAJOR WORKER CHARACTERISTICS:**

Knowledge of electronics, electronics engineering or electrical/electronic engineering; inventory control\*; electrical safety practices; staff training in use & care of electronic equipment\*; arithmetic to include fractions, decimals & percentages. Skill in use of electronic bench test equipment; computer\*. Ability to apply principles to solve practical, everyday problems; understand manuals & verbal instruction, technical in nature; demonstrate dexterity to use hands skillfully.

(\*)Developed after employment.

**MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:**

Completion of associate core program in electronics, electronics engineering or electrical/electronic engineering.

-Or 24 mos. exp. in installation, maintenance, calibration & repair of electronic equipment & electronics.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

**TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:**

Not applicable.

**UNUSUAL WORKING CONDITIONS:**

Travel may be required; may be required to work varying hours & days; exposed to cuts, burns & abrasions working with power tools & soldering irons; may be required to work noisy & dirty highway construction sites; may work with radioactive materials; may be exposed to inmates; exposed to tight or confined work areas.