



# Electronics Technician IV

Salary Group: A21

Class Code: 9066

<u>CLASS TITLE</u>	<u>CLASS CODE</u>	<u>SALARY GROUP</u>	<u>SALARY RANGE</u>
ELECTRONICS TECHNICIAN I	9060	A15	\$32,976 - \$52,045
ELECTRONICS TECHNICIAN II	9062	A17	\$36,976 - \$58,399
ELECTRONICS TECHNICIAN III	9064	A19	\$42,244 - \$68,960
<b>ELECTRONICS TECHNICIAN IV</b>	<b>9066</b>	<b>A21</b>	<b>\$48,278 - \$78,953</b>

## GENERAL DESCRIPTION

Performs highly advanced (senior-level) electronics technical support work. Work involves coordinating the design, installation, diagnoses, maintenance, and training for electronic equipment; and performing maintenance and calibration on electronic instruments. May serve as a lead worker providing direction to others. Works under minimal supervision, with extensive latitude for the use of initiative and independent judgment.

## DISTINGUISHING CHARACTERISTICS

The Electronics Technician job classification series is intended for employees that install, maintain, and repair electronic equipment. Electronic equipment may also include televisions; cameras and body worn cameras; transmitters; antennas; and communications, lighting, sound, video, security, navigation, or surveillance equipment and systems on vehicles, vessels, and aircraft. In contrast, the Telecommunications Specialist job classification series focuses on the configuration and repair of the telecom infrastructure, which includes video, data, and voice communication systems. The Telecommunications Specialist job class series handles different types of communications technology. The Radio Communications Technician job classification series focuses on maintaining and repairing radio communications equipment.

## EXAMPLES OF WORK PERFORMED

Coordinates the design and development of complex electrical and electronic components, equipment, and systems.

Coordinates the building and testing of electronic prototypes to specifications.

Constructs and calibrates specialized electronic equipment.

Prepares instructional materials and aids, and provides training in electronic repair techniques.

Installs, maintains, and inspects electronics such as communications, cameras, lighting, sound, security, or instrumentation control equipment.

Performs diagnostic tests on electronic components to determine functioning level and capacity.

Diagnoses and repairs defective parts or components; and tests components and instrument function to verify, calibrate, and certify the reliability of measurements.

May serve as a lead worker providing direction to others.

Performs related work as assigned.

## **GENERAL QUALIFICATION GUIDELINES**

### **EXPERIENCE AND EDUCATION**

Experience in installing, diagnosing, repairing, and maintaining electronic equipment. Graduation from a two-year college with major coursework in electronic technology or graduation from an accredited vocational or technical school of electronics is generally preferred. Experience and education may be substituted for one another.

### **KNOWLEDGE, SKILLS, AND ABILITIES**

Knowledge of electronics and electronic test equipment and tools, procedures for troubleshooting and maintaining electronic instruments, and electronic safety precautions and procedures.

Skill in the use of test equipment and tools to make repairs, and reading gauges and indicators to ensure that equipment is functioning properly.

Ability to understand and follow instructions, to understand and interpret electrical and/or signal schematic diagrams and technical reference material, to understand and apply the principles used in electronic equipment, to communicate effectively, and to serve as a lead worker providing direction to others.

### **REGISTRATION, CERTIFICATION, OR LICENSURE**

May require certification as an electronics technician.