# AIRWAY TRANSPORTATION SYSTEMS SPECIALISTS (ELECTRONICS SYSTEMS TECHNICIANS)

If you think fixing critical communications equipment at an airport that lands 120 planes an hour is exciting, then being an Airway Transportation Systems Specialist (electronics technician) is the job for you. You will be responsible for installing, testing, troubleshooting, repairing and certifying radar, communications equipment, navigational aids, airport lighting, backup power, heating/ventilating and air conditioning (HVAC) — everything air traffic controllers and pilots use for safe flight — to ensure that all systems are working properly. You will work indoors and outdoors, and travel throughout our nation connecting and maintaining our systems to keep air travel safe.

- **Environmental:** Lighted Navigational Aids Systems, Engine Generators, Heating and Air-Conditioning Systems, and Power Sources/Power-Conditioning Systems

- **Radar:** Airport Surveillance Radar, Air Route Surveillance Radar, Air Traffic Control Beacon Indicator, Airport Surface Detection Equipment and Terminal Doppler Weather Radar

- **Navigational aids:** Instrument Landing Systems, Very High-Frequency Omnidirectional Ranges, Doppler Very-High Frequency Omnidirectional Ranges, Tactical Aircraft Control and Navigation, and Distance-Measuring Equipment

- **Communications:** Motorola, ITT or General Dynamics radios, Radio Communications Link Repeaters, Low-Density Radio Communications Link Repeaters, Small-Tower Voice Switches, Enhanced Terminal Voice Switches, Rapid-Deployment Voice Switches, Digital Voice Recorder Systems, and Digital Audio Legal Recorder

- **Automation:** Automated Radar Terminal System, Direct-Access Radar Channel, En Route Automation Modernization, Standard Terminal Automation Replacement System

## DESIRED SKILLS AND EXPERIENCE

Three years of full-time general work experience that provides a basic knowledge of the principles of:

- Electronics
- Mathematics
- Computers
- Aeronautics
- Automated Systems Operation
- Maintenance

**OR**

A bachelor's degree with a major study or at least 24 semester hours in any combination of the following:

- Computer Science
- Mathematics
- Electronics
- Physical Sciences
- Information Management
- Engineering
- Telecommunications

(Schools must be accredited by an institution recognized by the U.S. Department of Education. If qualifying based on education, applicants must submit a copy of the transcript that includes the name of the institution, quarter or semester hours earned and/or confer date.)

Experience also may have been gained in occupations such as: computer specialist, electronics technician, telecommunications specialist and engineer. For more information, visit our career website at **www.faa.gov/jobs**.

**Federal Aviation Administration**