AT – Aviation Electronics Technician

**Aviation Electronics Technicians**

Troubleshoot and repair digital computers; fiber optics; infrared detection; radar systems; electricity generation systems; laser electronics; navigation systems; communications equipment; electrical power distribution; pressure indication systems; electric transformers and circuits, employing the latest test equipment and procedures. Knowledge and skills also include equipment operational checkout, corrosion control, scheduled maintenance, and component removal/repair/replacement.

**What They Do**

AT Sailors attend common basic electronics training, after which they attend Aviation Electronics Technician (AT) “A” School. The AT sailor will troubleshoot and repair some of the following complex electronic systems, employing the latest test equipment and procedures:

- digital computers
- fiber optics
- infrared detection
- radar systems
- electricity generation systems
- laser electronics
- navigation systems
- communications equipment
- electrical power distribution
- pressure indication systems
- electric transformers and circuits
- Technicians may also perform the following functions:
  - Installing changes, alterations, and modifications to aircraft electronics systems;
  - Performing micro-miniature module repair on computer circuit cards;
  - Using a variety of electrical measuring and diagnostic equipment;
  - Reading electrical system diagrams;
  - Repairing and maintaining power generators and electric motors.

**Working Environment**

Sailors in this career field will perform duties at sea and ashore around the world. At various times they could be working at a land-based aircraft squadron or onboard an aircraft carrier, either indoors or outdoors, in a shop environment or in office surroundings, and at a clean lab bench or in a garage-type situation. They work closely with others, require little supervision, and do mental and physical work of a technical nature.

**Opportunities**

Opportunities for placement in this career field are excellent for qualified personnel. About 7,000 men and women now work in this field.

**Qualifications and Interests**

**Personnel in this field must be U.S. citizens eligible for a security clearance. Normal color perception is required.**

Applicants in this career field will work on some of the most technologically advanced aircraft in the Navy. Applicants should have an interest in aviation and working with or around aircraft. They should have a high degree of manual dexterity with tools, equipment, and machines for detailed precision work. They should have a strong interest in electrical or computer systems and be ready to tackle a tough academic curriculum in electronics training. They should have a desire to be resourceful parts of a team effort. Helpful attributes include arithmetic knowledge, writing ability, speaking skills, good memory, and physical fitness.

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**Career Path After Recruit Training**

Enlisted are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Additional training for specific aircraft or equipment is generally received before reporting to operational activities. Advanced technical and specific operational training is available in this rating during later stages of career development.

<table>
<thead>
<tr>
<th>School</th>
<th>Present Location</th>
<th>Approximate Training Time</th>
<th>Subjects</th>
<th>Training Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class “A” Technical School</td>
<td>Pensacola, FL</td>
<td>Approximately 19 Weeks</td>
<td>Aviation basic theory and basic technical knowledge, aviation electrical systems, skills of electricity, and electronics theory.</td>
<td>Group instruction</td>
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</tbody>
</table>

School assignments vary with individuals. Sailors may be assigned to naval air stations, squadrons, aircraft carriers or other aviation facilities in the United States or overseas. During a 20-year period in the Navy, they will spend about 60 percent of their time assigned to fleet units and 40 percent to shore stations.
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Earn College Credit

The American Council on Education recommends that semester hour credits be awarded in the vocational certificate and lower-division bachelor's/associate's degree categories for courses taken in this rating on office machines and general clerical procedures. To see the college credits available via a Joint Service Transcript for this rating:

AT

Earn Industry Recognized Credentials

Navy Credentialing Opportunities On-Line (Navy COOL) Navy COOL catalogs and defines comprehensive information on occupational credentials - including certifications, licenses, and apprenticeships - correlating with every Navy rating and some collateral duties. It provides "how to" instructions for pursuing these credentials, links to credentialing organizations, and cross-references to programs that help Sailors pay for credentialing fees. Shortly following the initial rating technical training (Class "A" technical school), Sailors may be able to take advantage of earning civilian/industry certifications & licenses (credentials), funded through Navy COOL. Visit the Navy COOL website to view these opportunities. See the link below.

AT
https://www.cool.navy.mil/usn/enlisted/at.htm

Earn Department of Labor (DOL) Nationally Recognized Apprenticeships

The United Services Military Apprenticeship Program (USMAP) is a formal military training program that provides active duty and Full Time Support (FTS) Service members the opportunity to improve their job skills and to complete their civilian apprenticeship requirements while they are on active duty. The U.S. Department of Labor (DOL) provides the nationally recognized "Certificate of Completion" upon program completion. Visit United Services Military Apprenticeship Program (USMAP) for AT apprenticeships.

AT
https://usmap.netc.navy.mil/usmapss/static/navyRates.htm

Earn Skill Sets Towards Civilian Related Occupations

The skill sets for this rating crosswalk to civilian related occupations listed by the U.S. Department of Labor. To see Related Civilian, Federal, and Military Sealift Command Occupations for this rating, see the link below.

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