



# AM – Aviation Structural Mechanic Safety Equipment

## Aviation Structural Mechanic Safety Equipment

maintains and repairs utility systems throughout the aircraft. They work on systems such as air conditioning, heating, pressurization and oxygen, plus multiple safety devices.

These technicians may also volunteer to fly as Naval aircrew. Aircrew performs numerous in-flight duties and operates aircraft systems in turbojet, helicopter, or propeller aircraft. Aircrew earns additional pay for flying. (See the Aircrew Program for details.)

### What They Do

- Maintain the various aircraft systems such as seat and canopy ejection (egress), gaseous and liquid oxygen, life raft ejection, fire extinguishing, air conditioning, cabin and cockpit heat, pressurization, ventilation;
- Remove and install oxygen system valves, gauges, converters and regulators;
- Inspect, remove, install and rig ejection seats, shoulder harnesses, lap belts and face-curtain mechanisms;
- Perform daily, preflight, post flight and other periodic aircraft inspections.

### Working Environment

Aviation Structural Mechanics may be assigned to sea or shore duty any place in the world, so their working environment varies considerably. They may work in hangars or hangar decks or outside on flight decks or flight lines at air stations. A high noise level is a normal part of their environment. AMEs work closely with others, do mostly physical work and require little supervision. AMEs may also serve as flight engineers aboard certain aircraft.

### Opportunities

Excellent opportunities exist for qualified applicants to enter this rating. About 1,600 men and women currently work in this rating.

### Qualifications and Interests

Aviation structural mechanics require an orientation toward tools, equipment and machines. They should possess manual dexterity and be physically fit, and must be able to keep records, have a knack for getting along well with other people and work as part of a team. The ability to do repetitive tasks and perform detailed work is also helpful.

**Normal hearing and color perception is required for this rating.**

### 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:

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[https://www.cool.navy.mil/usn/jst/ame\\_jst.pdf](https://www.cool.navy.mil/usn/jst/ame_jst.pdf)

### Career Path After Recruit Training

Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development.

School	Present Location	Approximate Training Time	Subjects	Training Methods
Class "A" Technical School	Pensacola, FL	Approximately 9 Weeks	Basic aviation structural mechanic course, basic aviation theory course, and skills required for specialized AME rating	Group instruction, classroom and shop After completion of AME Core "A" school

AMEs assigned to squadrons with ejection seat aircraft, attend two weeks of egress training. AMEs may be assigned to aviation squadrons, aircraft carriers or to other Navy ships carrying aircraft, to naval air stations or other aviation shore facilities in the United States or overseas. Normally, each time AMEs are assigned new equipment they return to school for specific training on that equipment. During a 20-year period, AMEs spend about 50 percent of their time assigned to fleet units and 50 percent to shore stations



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## 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 LS apprenticeships.

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

## 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.

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<https://www.cool.navy.mil/usn/enlisted/ame.htm>

Download the Navy COOL App:

Navy COOL App (iOS):

<https://itunes.apple.com/us/app/navy-cool/id1053982994?ls=1&mt=8>

Navy COOL App (Android):

<https://play.google.com/store/apps/details?id=com.tracen.navycool>

## Manage a Navy Career with Navy LaDR (Learning and Development Roadmap)



To see the Navy LaDR (Learning and Development Roadmap) for this rating:

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[https://www.cool.navy.mil/usn/LaDR/ame\\_e1\\_e9.pdf](https://www.cool.navy.mil/usn/LaDR/ame_e1_e9.pdf)

## 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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<https://www.cool.navy.mil/usn/enlisted/ame.htm>

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