

# Missile Technician (MT) - submarines Advanced Electronics Field



Missile Technicians (Submarines) receive extensive training in the operation and maintenance of advanced electronic equipment and computers and electro-mechanical support systems used in submarine strategic weapons systems. Responsible for the assembly, maintenance and repair of nuclear-capable ballistic missiles carried on submarines and their associated advanced electronics and electro-mechanical navigation and targeting systems, MTs are a vital element in the maintenance of strategic deterrence so vital to the security of the United States.

**Obligation.** Active duty obligation is six years. Applicants will enlist for four years and concurrently execute an agreement to extend their enlistment for 24 months.

**Advancement.** Enlistees enlist as E-1s (seaman recruits). Advancement to E-2 (seaman apprentice) will be made after successful completion of recruit training. Completion of all advancement-in-rate requirements (including minimum time-in-rate) must be completed prior to advancement to E-3 and E-4. Accelerated advancement to E-4 is authorized for *all* personnel after completion of the training pipeline, provided eligibility in the MT program is maintained.

**Elite Program.** This rating is open to men who volunteer for submarine duty. Submarine pay is paid monthly beginning upon the start of Basic Enlisted Submarine School, currently \$75.00 to \$425.00 (see Submarine Pay chart). All submarine ratings are members of an *elite* community consisting of highly professional, well-trained personnel. Upon advancement to E-4, submariners receive sea pay in addition to submarine pay.

**Career Opportunities.** This rating has the most extensive technical skills training and development provided to a submarine rating during a first enlistment. This superior training is directly transferable to the civilian job sector, either at the end of obligated service or a full 20 to 30 year career. New and exciting career opportunities await the select group of people who possess submarine advanced technology knowledge gained through Navy training. Of course, the longer you stay, the more training, experience, skills, and benefits you will receive. These skills and training are in high demand in both the civilian and military career fields.

### Some of What They Do:

The duties, technical and manual, performed by Missile Technicians include:

- maintain ballistic missiles and their launching systems;
- maintain related launching systems including high-pressure air and hydraulic systems;
- operate and maintain digital computers;
- maintain operating efficiency of electrical distribution panels, switches, switchboards, controllers, voltage regulators, current transformers, rectifiers and voltage transformers within the fleet ballistic missile weapons systems;
- test and repair ballistic guidance systems;
- operate, maintain and adjust optical measuring equipment;
- test, align and adjust missiles and components

### Career Path After Recruit Training

Enlistee is taught the fundamentals of this rating through formal Navy schooling and on-the-job training. Advanced technical and operational training is provided immediately following successful completion of Class "A" School and prior to assignment to a permanent duty station.

School	Present Location	Approximate Training Time	Subjects	Training Methods
Basic Submarine School	Groton, CT	4 weeks	Indoctrination in basic submarine systems.	Group Instruction
Basic Mechanical Skills	Groton, CT	3 weeks	Introduction to basic mechanics.	Group Instruction
Class 'A' (NIDA)	Kings Bay, GA	5 weeks	Basic electronics, electricity and digital theory	Group Instruction
Class 'C'	Kings Bay, GA Bangor, WA	23 weeks	Advanced electronics & electricity, mechanical systems and repair on Trident II missiles and launching systems	Group Instruction & equip. labs
AWS Replacement	Kings Bay, GA	5 weeks	Advanced electronics & electricity, mechanical systems and repair on Tomahawk missiles and launching systems	Group Instruction & equip. labs

Only MTs that are assigned to SSGN platforms are required to attend the AWS Replacement course. MTs serve on submarines and shore stations in the United States, primarily in Bangor, WA and Kings Bay, GA. They are assigned to ballistic missile submarines or missile assembly plants. During a 20 year period in the Navy, MT will spend about 50 percent of their time assigned to fleet units and 50 percent to shore stations.

- repair missiles and related components;
- test, align, adjust, calibrate and repair support handling equipment;
- stow missiles and components;
- maintain logs;
- prepare reports;
- provide security in missile launch spaces aboard submarines;
- maintain and operate ballistic missile fire control systems and equipment for *Trident* submarines;
- maintain control of classified material;
- monitor and ensure security of weapons system components and material.

### Credit Recommendations

The American Council on Education recommends that semester hour credits be awarded in the vocational certificate or lower-division bachelor's/associate's degree categories for courses taken in this rating on basic electricity/electronics and applied mathematics. The following are degree programs that relate directly to the MT rating: Electronic Technology, Computer Science Technology, General Engineering, and Applied Electronics.

### Qualifications and Interests

An interest in ideas and information, good memory, the ability to do detailed work, keep accurate records and be a team worker are important qualifications. Resourcefulness, curiosity, competence with tools, equipment and machines, manual dexterity and the ability to do repetitive tasks are also helpful.

MTs must be U.S. citizens eligible for a security clearance. A Single Scope Background Investigation (SSBI) and a Personnel Reliability Program (PRP) screening are required.

### Working Environment

Men in the MT rating usually work indoors, although they may sometimes work outdoors while doing such tasks as loading missiles. They work in a submarine

environment, are closely supervised and do both mental and physical work.

### Related Civilian Jobs

O\*Net SOC Code O\*Net SOC Title  
 11-3042.00 Training and Development Managers  
 17-2072.00 Electronics Engineers, Except Computer  
 17-3023.00 Electrical and Electronic Engineering Technicians  
 17-3024.00 Electro-Mechanical Technicians  
 47-5031.00 Explosives Workers, Ordnance Handling Experts, and Blasters  
 49-1011.00 First-Line Supervisors/Managers of Mechanics, Installers, and Repairers  
 49-2093.00 Electrical and Electronics Installers and Repairers, Transportation Equipment  
 49-2094.00 Electrical and Electronics Repairers, Commercial and Industrial Equipment  
 51-2022.00 Electrical and Electronic Equipment Assemblers  
 51-2023.00 Electromechanical Equipment Assemblers  
 51-9061.00 Inspectors, Testers, Sorters, Samplers, and Weighers

### Opportunities

The Navy has a continuing need for specialists in this rating. Opportunities for placement are excellent for qualified applicants. About 1,100 men work in this rating.

Since navy programs and courses are revised at times, the information contained in this rating card is subject to change.

*Note:* All applicants in this program must read and understand the Submarine Volunteer Statement of Understanding.

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