



## GM – Gunner’s Mate

**Gunner’s Mate** are responsible for the operation and maintenance of guided missile launching systems, underwater explosive weapons such as torpedoes, rockets and missiles and the systems used to launch them, gun mounts and other ordnance equipment, as well as small arms magazines. They work with electrical and electronic circuitry: mechanical, hydraulic and pneumatic systems.

### What They Do

- Operating and maintaining guided missile launching systems, torpedo launching/handling systems, rocket launchers, gun mounts and other ordnance systems and equipment;
- Training and supervising crews in the use of all types of ordnance equipment, from large caliber guns and missile systems to small arms;
- stowing, securing, requisitioning and reclassifying explosives;
- operating and maintaining magazine flooding and sprinkling systems;
- making mechanical, electrical and electronic casualty analysis using technical publications, blueprints, schematics and circuit diagrams;
- repairing, maintaining, testing and calibrating ordnance equipment;
- repairing, maintaining, testing and calibrating micro processing equipment;
- use and care for common hand tools, special tools and soldering equipment;
- perform preventive and corrective maintenance on hydraulic and pneumatic systems and components associated with launching systems;
- interpret color coding to determine values of capacitors and resistors, and tracing internal connections of power and audio transformers, chassis wiring and multi-conductor cables;
- operating and maintaining night optical devices;
- operating optical scanning and marking devices to label, identify and report explosives’ utilization/expenditure;
- serve as team member performing inspections and final closeout checks on weapons;
- install and remove torpedo exploder mechanisms.

### Working Environment

Gunner’s Mates work in almost every kind of Navy environment: ship, shore, in the United States or overseas. Their work and specialties may involve indoor or outdoor situations, clean or dirty work, deck or shop, and any kind of climate or temperature. They work alone or with others independently or closely supervised. Their work can be both mental and physical.

### Opportunities

Opportunities are excellent for qualified applicants. About 4,500 men and women work in the GM rating.

### Qualifications and Interests

GM’s should be capable of learning how to use test equipment and applicable hand tools to perform casualty analysis and arrive at solutions for problems in solid state, digital electronics, microprocessor logic, electrical, hydraulic and mechanical equipment.. They should also have good memories, the ability to do detailed work, perform repetitive tasks and keep accurate records. Due to the sensitive nature of some of the technical duties, the GM rating has special eligibility standards for reliability, integrity and trustworthiness. GMs must be U.S. citizens eligible for a security clearance. Normal hearing and color perception is required.

### 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/gm\\_jst.pdf](https://www.cool.navy.mil/usn/jst/gm_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	Great Lakes, IL	27 Weeks	Basic technical knowledge and skills of electricity and electronics; operation of torpedoes and launch systems.	Group instruction and self-paced and practical application.

After completion of their Navy school training, GMs serve on combat surface craft and tenders, at aviation activities and in weapons installations, ordnance depots or other shore stations in the United States or overseas. During a 20-year period in the Navy, GMs spend about 60 percent of their time assigned to fleet units and 40 percent to shore stations.



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### Earn Department of Labor (DOL) Nationally Recognized Apprenticeships



USMAP

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/gm.htm>

### 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/gm\\_e1\\_e9.pdf](https://www.cool.navy.mil/usn/LaDR/gm_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/gm.htm>

Revised: 1/17