



MR – Machinery Repairman

Machinery Repairman are skilled machine tool operators. They make replacement parts and repair or overhaul ship's engines and auxiliary systems. They also work on deck equipment including winches and hoists, condensers and heat exchange devices. MR's occasionally operate main propulsion and auxiliary machinery in addition to performing machine shop and repair duties.

Opportunities

Entry opportunities are limited to highly qualified applicants for this rating. About 770 men and women work in the MR rating

Qualifications and Interests

An orientation toward tools, equipment, and machinery is a very important qualification for this rating. Manual dexterity, the ability to do detailed work and repetitive tasks, arithmetic skills, resourcefulness and a good memory are also important. Other helpful attributes are good communication skills and an ability to work with others. Curiosity, record keeping talent and physical strength are also required. Normal hearing is required.

What They Do

- repairing and operating auxiliary machinery;
- calculating time and material needed for machine shop work and the repairing of auxiliary machinery;
- drawing sketches and preparing specifications for replacement parts;
- working from sketches and specifications to produce replacement parts;
- operating machine shop equipment, such as lathes, drill presses, shapers, bench grinders, milling machines, boring mills, power hacksaws and computer numerically controlled machinery;
- working with precision measuring instruments such as micrometers, depth gauges, verniers, calipers, gauge blocks, protractors and dial indicators;
- engraving metal and other materials;
- performing electroplating and flame spraying operations.

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/mr_jst.pdf

Working Environment

People in the MR rating usually work indoors in a machine shop situation where many motor-powered machine tools are present. They work closely with others and are closely supervised.

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
Engineering Common Core and "A" School	Great Lakes, IL	17 Weeks	Introduction to technical documentation and basic mechanical theory. Familiarization with machines, shop tools, equipment, and methods used on the job	Group instruction with practical application

After "A" school, Machinery Repairmen will be assigned to Navy machine shops aboard ships, at repair bases, and various other shore facilities in the United States or overseas. During a 20-year period in the Navy, MR's spend about 50 percent of their time assigned to fleet units and 50 percent to shore stations. They may also work as recruit company commanders or in recruiting duty.



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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) 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/mr.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/mr_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/mr.htm>

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