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

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.

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.

<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>Engineering Common Core and “A” School</td>
<td>Great Lakes, IL</td>
<td>18 weeks</td>
<td>Introduction to technical documentation and basic mechanical theory; Familiarization with machines, shop tools, equipment, and methods used on the job</td>
<td>Group instruction with practical application</td>
</tr>
</tbody>
</table>

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, MRs 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.

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.

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

QUALIFICATIONS & 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.
MANAGE A NAVY CAREER WITH NAVY LADR
See the Navy LaDR (Learning and Development Roadmap) 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 word processing or data entry applications and office management procedures. See the college credits available via a Joint Services Transcript for this rating:


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 apprenticeships:

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

EARN INDUSTRY RECOGNIZED CREDENTIALS
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.

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. See Related Civilian, Federal and Military Sealift Command Occupations for this rating on Navy COOL.


DOWNLOAD THE NAVY COOL APP
Navy COOL App (iOS):

Navy COOL App (Android):

Note: Since Navy programs and courses are revised at times, the information contained on this card is subject to change.