



HT – Hull Maintenance Technician

Hull Maintenance Technician's do the metal work necessary to keep all types of shipboard structures and surfaces in good condition. They also maintain shipboard plumbing and marine sanitation systems, repair small boats, operate and maintain ballast control systems, and manage the Quality Assurance Program.

What They Do

- installing, maintaining and repairing valves, piping, plumbing system fittings and fixtures, and marine sanitation systems.
- repairing decks, structures and hulls by welding, brazing, riveting and caulking;
- examining, testing welds and various shipboard structures; using radiological, ultrasonic and magnetic particle testing equipment.
- fabricating with light and heavy gauge metal such as aluminum, stainless steel, sheet copper and brass, steel, sheet and corrugated iron;
- heat treating, hot and cold forming of metals;
- pipe cutting, threading and assembly;
- repairing installed ventilation ducting;
- repairing metal, wood and fiberglass boats;
- installing and repairing insulation and lagging;
- operating marine sanitation systems

Working Environment

Engineman work any where on a ship in main engine rooms, auxiliary machinery rooms, engine rooms or shops. These locations are sometimes hot and noisy. ENs may be required to perform some heavy physical work. They must be able to work closely with others and, in some cases, with limited supervision

Opportunities

The Navy has a continuing need for qualified Engineman. Approximately 5,500 men and women perform duties in the EN rating aboard ships and at shore stations. Opportunities for placement are excellent for qualified candidates.

Qualifications and Interests

Engineman should have clear speech, physical stamina, manual dexterity and the ability to work with others as a team. They should know how to use common hand and power tools and enjoy working with mechanical devices. Other helpful characteristics are resourcefulness and an interest in learning new ideas and skills. Curiosity, record keeping talent and physical strength are also required.

Normal color hearing is required for this rating.

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
Basic Engineering Common Core and "A" School	Great Lakes, IL	10 Weeks	Introduction to technical documentation, basic mechanical theory.	Group and individualized instruction with practical application.
HT Srand Technical School	Great Lakes, IL	6 weeks	Indoctrination, drafting, mathematics, angular line development, fundamentals of blueprint reading, Quality Assurance, hand tools, sheet metal work, knowledge and comprehension of welding, brazing, pipefitting, and cutting, metal identification, knowledge and comprehension of piping systems and measurements, shop safety, knowledge and comprehension of shipboard sanitation systems.	Group and individualized instruction with practical application.
After BECC school After completion of "A" School, HT's are assigned to ships of all types or shore stations in the United States or overseas. In a typical 20-year period in the Navy, HT's spend about 60 percent of their time on sea duty and about 40 percent on shore duty.				



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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/ht_jst.pdf

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/ht.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/ht_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/ht.htm>

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