

# Hull Maintenance Technician (HT)



HT'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

The duties performed by HT include:

- 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

## 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 welding, plumbing, brazing and soldering.

## Qualifications and Interests

An important qualification for people interested in the HT rating is the ability to use various hand tools, equipment, and metal forming and cutting machines. They also need good vision,

## Career Path After Recruit Training

Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced 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	Great Lakes, IL	9 weeks	Introduction to technical documentation, basic mechanical theory.	Group and individualized instruction with practical application.
HT Srand Technical School	Great Lakes, IL	5 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 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.

manual dexterity, a good memory and resourcefulness. The ability to do detailed work and to work successfully in a team operation is helpful. Normal color perception is required. Writing, speaking and arithmetic skills, physical strength and the ability to keep records and do repetitive tasks are helpful. HT's must be U.S. citizens eligible for security clearance.

## Opportunities

Entry opportunities are limited. Only highly qualified applicants have an opportunity for placement in this rating. Presently, more than 2,800 men and women work in the HT rating.

## Working Environment

Hull Technicians work in a variety of situations at sea and ashore. Sometimes their work is performed indoors in a shop environment. Other times it may be performed outdoors, frequently at sea and in all kinds of climates and weather conditions. They may work in noisy environments on some assignments. HT's are stationed primarily aboard ships.

O\*Net SOC Code O\*Net SOC Title  
 33-2011.00 Fire Fighters  
 47-2031.01 Construction Carpenters  
 47-2151.00 Pipelayers  
 47-2152.00 Plumbers, Pipefitters, and Steamfitters  
 47-2152.01 Pipe Fitters  
 47-2152.02 Plumbers  
 47-2211.00 Sheet Metal Workers  
 47-4041.00 Hazardous Materials Removal Workers  
 49-9012.00 Control and Valve Installers and Repairers, Except Mechanical Door  
 49-9098.00 Helpers - Installation, Maintenance, and Repair Workers  
 51-1011.00 First-Line Supervisors/Managers of Production and Operating Workers  
 51-2041.00 Structural Metal Fabricators and Fitters  
 51-2091.00 Fiberglass Laminators and Fabricators  
 51-4121.00 Welders, Cutters, Solderers, and Brazers  
 51-4122.00 Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders  
 51-4192.00 Lay-Out Workers, Metal and Plastic  
 51-6091.00 Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers  
 51-9061.00 Inspectors, Testers, Sorters, Samplers, and Weighers)

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

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