



# Puget Sound Naval Shipyard & Intermediate Maintenance Facility

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## Descriptions of Trades Jobs

### Puget Sound Naval Shipyard & Intermediate Maintenance Facility

**High Voltage Electrician (NAVFAC):** Maintain, repair and install high voltage substation and distribution electrical equipment for PSNS and other Northwest region Navy facilities.

**Shipfitter (Shop 11):** Manufacture, install, modify and repair interior and exterior components and structures of naval vessels. These structures include bulk heads, foundations, doors, decks, hatches, superstructure, tanks, sea chests, sponsons and deck houses.

**Sheet Metal Mechanic (Shop 17):** Design, manufacture, install and repair ventilation, furniture, lightweight bulkheads and doors aboard naval vessels.

**Welder (Shop 26):** Join various metals using complex thermal processes in the overhaul, repair and construction of naval vessels.

**Electroplater (Shop 31):** Accomplish functional and industrial tank plating of various metal surfaces and portable selective plating to restore shipboard components. Other processes include chemical cleaning and dimensional restoration of various metal surfaces using polishing techniques.

**Electronic Industrial Control Mechanics (Shop 31):** Maintain, troubleshoot and repair all linear, digital and fiber optic electronics integrated into industrial systems such as numerical-control and computer-numerical-controlled machine tools, laser measuring systems, automatic welding systems, balancing and measuring machines and induction furnaces.

**Machinist (Shop 31):** Inside repair and testing of various ships' components. Manufacture of new parts using conventional and computer controlled machinery. Capable of machining everything from 1/4-inch screws to 50-foot-long propulsion shafting.

**Production Machinery Electrician (Shop 06):** Maintain, install, repair, retrofit, and troubleshoot many types of industrial machines, tools, and equipment. Machinery, tools and equipment includes: lathes, milling machines, presses, welding and flame cutting equipment, heat sealers and rubber mills.

**Marine Machinery Mechanic (Shop 38):** Troubleshoot, repair, replace and maintain various mechanical systems on naval vessels. The work area covers the entire vessel – from the mast antennas to the propellers, from the bow to the stern.

**Marine Electrician (Shop 51):** Installation, connection and operational testing of shipboard electrical systems and components, which include electrical power and lighting systems, sound powered phones, electric heat and ventilation equipment.

**Marine Pipefitter (Shop 56):** Install, repair, modify and replace piping systems on board naval vessels. Systems include potable drinking water, aviation fuels and high-pressure steam.

**Thermal Insulator (Shop 57):** Install and remove insulation on piping, machinery and ventilation systems on board naval vessels and shore installations.

**Composite Plastic Fabricator (Shop 64):** Install and remove thermal and acoustic insulation on the structural part of naval vessels. Also works with materials such as fabric composite plastics, wood and resin products.

**Shipwright (Shop 64):** Manufacture templates, erect and remove scaffolding, and build keel block settings. Use laser levels and optical instruments to maintain a ship's alignment while dry-docking.

**Fabric Workers (Shop 64FW):** Design, layout, construct and install various containments and service items from canvas, Herculite, shrink wrap and leather materials.

**Electronic Mechanic (Shops 52 / 67):** Troubleshoot, modify, repair, and overhaul electronic systems in the shop and shipboard. Systems include: radar, communications, sonar, navigation, weapons, and tactical-display. Repair and calibrate mechanical and electrical test-equipment.

**Painter (Shop 71):** Provide state-of-the-art surface coating and surface preparation for naval vessels utilizing high-volume/low-pressure paints, epoxy coatings, powder and Teflon coatings.

**Temporary Services Electrician (Shop 99E):** Provide temporary shore power, industrial power, refrigeration and heat, telephones and casualty control alarm systems to naval vessels.

**Temporary Services Pipefitter (Shop 99):** Provide temporary ventilation, potable water, non-potable water, auxiliary sea water, steam, low pressure air, breathing air, and collection, holding and transfer (CHT) connections.

**Crane Electrician (Code 730):** Repair and maintain all electrical systems of the cranes at the shipyard. Repairs include electric motor repair, operation panels, safety systems, hoisting systems and various other circuitry.

**Crane Mechanic (Code 730):** Repair and maintain all mechanical systems of the cranes at the shipyard. Repairs include diesel repair, hydraulics, fastening systems, hoisting systems and brakes.

**Rigger (Code 740):** Perform a wide variety of jobs relating to the movement of material and equipment, using cranes, forklifts, hoists, dollies and chain falls to move this material and equipment.