



PIPEFITTER

PIPEFITTER

\$49,833 salary*

Do you like playing games where you get to create systems that transport fluids to meet a desired goal? If so, you may want to consider becoming a marine pipefitter! Marine pipefitters fabricate, assemble, install, test, troubleshoot and repair miles of shipboard pipe systems. In addition, they install and connect pipe segments, fittings and valves to supply the ship with water, chemicals, gases or other critical fluids. They also operate hand and power tools, machines and test equipment to cut, bend and install pipe segments.

Education Options

- Technical schools
- Registered apprenticeships
- Community colleges
- Industry training programs

Students can start in high school where programs are available.

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SHIPFITTER

SHIPFITTER

\$47,566 salary*

Do you like working with complex puzzles, creating new things and being part of a team? You may want to start your career as a shipfitter. Marine shipfitters fabricate, fit, install and repair tons of metal structural parts on marine vessels. They also prepare surfaces for welding and riveting, and fit and install metal plates, beams, frames, bulkheads, decks and other structural components within the hull of the ship. In addition, they operate hand, electric and pneumatic tools, torches and precise measuring instruments.

Education Options

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**STRUCTURAL
WELDER**

STRUCTURAL WELDER

\$46,598 salary*

Do you like creating things with building materials? Are you detail-oriented in addition to liking the sight of sparks? You might want to start your career in marine structural welding. Marine structural welders operate hand-held welding equipment to join structural metal parts together. They also use a wide range of welding filler metals and welding processes to perform structural welds in all phases of ship construction and repair. In addition, they perform tack, fillet and full penetration welding on steel foundations and structural components.

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PIPE WELDER

PIPE WELDER

\$49,530 salary*

Do you like building things with Legos? Are you detail-oriented in addition to liking the sight of sparks? You might want to consider becoming a marine pipe welder. Marine pipe welders prepare and weld shipboard pipe systems installed by marine pipefitters. In addition, they prepare surfaces for fitting and pipe welds as well as perform welding and post process cleaning functions to exact construction drawings. They also operate hand-held equipment, welder and other tools.

Education Options

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**MARINE
ELECTRICIAN**

MARINE ELECTRICIAN

\$49,660 salary*

If you are interested in electronics, tinkering with wires and problem solving, a marine electrician may be the career for you! Marine electricians install electrical cable and equipment, test, troubleshoot and repair shipboard electrical systems. They also install and connect wiring, lighting fixtures, electronics, fiber optics and more to supply the ship with electrical power. In addition, they operate hand and power tools, test equipment and follow construction blueprints and instruction manuals.

Education Options

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**OUTSIDE
MACHINIST**

OUTSIDE MACHINIST

\$50,180 salary*

Are you mechanically inclined? Do you like putting things together and testing to see if it works? A career as a marine outside machinist might be right up your alley! Outside machinists perform surface preparation, and install and test the ship's mechanical components and systems in stages of new construction, overhaul or repair. In addition, they install machinery plants, propulsion systems, reduction gears, pumps, compressors, assemblies and other systems (i.e. fluid, hydraulic, air). They also operate precision tools and machinery from calipers and micrometers to complex equipment like saws, drill presses and lathes.

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OUTFITTER

OUTFITTER

\$49,140 salary*

Do you like seeing a project completed? Are you detail-oriented? If so, being a marine outfitter could be the right career for you. Marine outfitters fabricate, modify and install equipment foundations and final finishing parts on a ship to exact specification and design. In addition, they install finishing parts such as pumps, windows, hatches, doors, panels and safety/deck equipment. They also operate a variety of measuring, cutting, fitting and hand tools, such as measuring tape, torch, saws, grinders and drills.

Education Options

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**BLASTER/
PAINTER**

BLASTER/ PAINTER

\$47,984 salary*

Do you like to restore and make things more vibrant? If so, a blaster/painter might be a great career for you. Marine blaster/painters prepare various metal surfaces including components, equipment, interiors and exteriors of ship for blasting and painting applications. They also wash and abrade surfaces using blast grit and other equipment to remove adhered debris, such as scales, sand, paint, grease, tar and rust. In addition, they mix batches of paint according to specifications and apply using conventional, airless spraying or hand paint processes.

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INSULATOR

INSULATOR

\$48,042 salary*

Do you enjoy craft projects? Do you like following patterns and instructions? If so, you should consider a career as a marine insulator. Marine insulators install metal pins and measure, cut, fit, tape and glue insulation materials to a variety of surfaces throughout the ship, including bulkheads, decks, pipe systems and ventilation systems. In addition, they operate measuring, cutting, fitting and other hand tools, such as a measuring tape to install insulation to exact construction drawings.

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**INSIDE
MACHINIST**

INSIDE MACHINIST

\$51,249 salary*

Do you ever wonder how intricate parts of things are made to work such as locks, gears, etc.? Marine inside machinists use tools to produce and repair shipboard precision parts, including shafts, rudder stocks, stern tubes and strut tubes. They use blueprints or written specifications to calculate where to cut or bore into work pieces, how fast to feed metal into machines, and how much metal to remove from work pieces. In addition, they operate both manual and Computer Numerically Controlled (CNC) machines, machine tools and precision measuring tools.

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