

Work Processes Schedule

SHIPFITTER (SHIP & BOAT)

RAPIDS: 0513N

O*NET/SOC: 51-4192.00

REVISION DATE: 12/2014

Demonstrate knowledge and skills for qualifying as Journeyman. Applicable Job Qualification Requirements will be used as a guide in performing tasks and demonstrating knowledge in the following areas. Actual work time must be recorded in the Work Experience Log.

Applicable Ratings/MOS

USMC MOS None

USCG None

USN HT

Related Instruction

Any trade related schools/courses totaling 576 hours.

Additional Requirement

None

Total Hours: **8000**

Skill	Description	Hours
A	<p>FUNDAMENTALS</p> <p>Demonstration of knowledge required in all areas.</p> <ol style="list-style-type: none"> 1. Safety Precautions Fundamentals 2. First Aid And Rescue 3. Quality Assurance Administration Fundamentals 4. Quality Assurance Program Fundamentals 5. Levels Of Control Fundamentals 6. Hearing Conservation Program Fundamentals 7. Hazardous Material Control And Management-(HMC&M) Program Fundamentals 8. Respiratory Protection Program Fundamentals 9. Sight Conservation Program Fundamentals 10. General Administration (Log, Record And File Maintenance) 11. Technical Administration (Publications And Technical Manuals) 12. Logistics 13. Shop Fundamentals 	500
B	<p>EQUIPMENT</p> <p>Demonstrate safe operation and upkeep of shop equipment. The Equipment list is representative of tools and machinery typically found in the Work-Center associated with this trade.</p> <ol style="list-style-type: none"> 1. Press Brake 2. Cutting Machine 3. Overhead Crane System 4. Drill Press 5. Slip Roll Forming Machine 6. Grinding Machines 7. Universal Hydraulic Ironworker 8. Shearing, Nibbling And Forming Machine (Pullmax) 9. Vertical Band Saw 10. Abrasive Cut-Off Saw 11. Squaring Shear 12. Tig/Mig Welding Machine 13. Arc Welding Machine 14. Oxy/Acetylene Welder 15. Shipfitter Related Handtools 	800
C	<p>REMOVAL OF OUTFITTINGS, FURNISHINGS & STRUCTURAL ITEMS</p> <ol style="list-style-type: none"> 1. Burning And Cutting -- Ferrous & Non - Ferrous Metals 2. Access Cutting -- Ferrous & Non - Ferrous Metals 	1500
	<p>WELD PREPARATION SERVICES</p>	

D	1. Grind/Fit-Up -- Ferrous & Non - Ferrous Metals 2. Cut/Shape -- Ferrous & Non - Ferrous Metals 3. Mass Production Cutting -- Ferrous & Non - Ferrous Metals	1000
E	WELDING SERVICES 1. Shielded Metal Arc -- Ferrous & Non-Ferrous Metals 2. Gas Tungsten Arc -- Ferrous & Non-Ferrous (Non Aluminum) 3. Gas Tungsten Arc -- Aluminum Alloys 4. Gas Metal Arc -- Ferrous & Non-Ferrous Metals	2500
F	FABRICATION, INSTALLATION AND REPAIR 1. Remote Operator, Mechanical 2. Flexible Cable Remote Operators 3. Cofferdams -- Ferrous & Non - Ferrous Metals 4. Spreader Bars -- Ferrous Metals 5. Deck Penetrators -- Ferrous & Non - Ferrous Metals 6. Padeyes -- Ferrous & Non - Ferrous Metals 7. Kevlar Shield Brackets And Decoy Launcher Mounts -- Ferrous Metals 8. Closures Above Main Deck -- Ferrous & Non - Ferrous Metals 9. Huck Riveting Services 10. Closures Main Deck And Below -- Ferrous & Non - Ferrous Metals 11. Hull And Deck Fittings -- Ferrous & Non - Ferrous Metals 12. Securing Devices -- Ferrous & Non - Ferrous Metals 13. Camel Backs And Guards -- Ferrous & Non - Ferrous Metals 14. Covers, Lockers, Racks, Ramps, Tables And Shelves -- Ferrous & Non - Ferrous Metals 15. Line/Cable Reels And Footrings -- Ferrous & Non - Ferrous Metals 16. J-Bar Davits, Kingposts And Outriggers -- Ferrous & Non - Ferrous Metals 17. Cradles And Booms- Ferrous & Non - Ferrous Metals 18. Boat Cradles, Gravity Davits And Sliding Padeyes -- Ferrous & Non - Ferrous Metals 19. Equipment Foundations -- Ferrous & Non - Ferrous Metals 20. Brows, Ladders And Accommodation Ladders -- Ferrous & Non - Ferrous Metals 21. Rails And Stanchions -- Ferrous & Non - Ferrous Metals 22. Decks And Bulkheads -- Ferrous & Non - Ferrous Metals 23. Structural Shapes And Forms- Ferrous & Non - Ferrous Metals 24. Deck Grating, Deck Plates, Catwalks And Platforms -- Ferrous & Non - Ferrous Metals	1700