

# Work Processes Schedule

## PIPE FITTER (CONSTRUCTION)

**RAPIDS: 0414N**

O\*NET/SOC: 47-2152.01

REVISION DATE: 12/2014

Lays out, assembles, installs, and maintains pipe systems, pipe supports, and related hydraulic and pneumatic equipment for steam, hot water, heating, cooling, lubricating, sprinkling, and industrial production and processing systems, applying knowledge of system operation, and following blueprints. Selects type and size of pipe, and related materials and equipment.

### Applicable Ratings/MOS

USMC MOS 1120, 1169, 1171

USCG None

USN HT, UT

### Related Instruction

Any trade related schools/courses totaling 576 hours.

### Additional Requirement

None

Total Hours: **8000**

Skill	Description	Hours
A	<p><b>CARE AND USE OF TOOLS AND ON THE JOB SAFETY</b></p> <p>Properly care for and use small hand and shop tools. Conform to prescribed safety procedures.</p>	600
B	<p><b>CUTTING AND JOINING</b></p> <p>Cut and join a variety of metal and nonmetal pipes, tubes, and fittings, including iron, steel, copper, and plastic. Connect pipes, using threaded, caulked, soldered, brazed, fused, or cemented joints.</p>	3700
C	<p><b>INSTALLATION AND MAINTENANCE OF PIPE SYSTEMS</b></p> <p>Install and maintain pipe systems, pipe supports, and related hydraulic and pneumatic equipment for steam, hot water, heating, cooling, lubricating, sprinkling, and industrial production and processing systems. Apply knowledge of system operation, and follow blueprints.</p>	1200
D	<p><b>INSTALLATION AND MAINTENANCE OF EQUIPMENT</b></p> <p>Install and maintain hydraulic and pneumatic components of machines and equipment, such as pumps and specialties, tanks and heat exchangers, washrooms (wash basins, commodes, urinals, etc.); fans and blowers using hand tools and power tools, following specifications and blueprints.</p>	2000
E	<p><b>STARTUP SERVICE</b></p> <p>Align and start equipment such as balancing air and water systems and servicing</p>	500

equipment.

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