

Occupation	Description	Total Openings	Annual Wage
<b>Welders, Cutters, Solderers &amp; Brazers</b>	Use hand-welding, flame-cutting, hand soldering or brazing equipment to weld or join metal components or to fill holes, indentations or seams of fabricated metal products. Education Requirement: Long-term on-the-job training	175	\$37,357
<b>Structural Metal Fabricators &amp; Fitters</b>	Fabricate, lay out, position, align, and fit parts of structural metal products. Education Requirement: Moderate-term on-the-job training	135	\$29,453
<b>Fiberglass Laminators &amp; Fabricators</b>	Laminate layers of fiberglass on molds to form boat decks and hulls, bodies for golf carts, or other products. Example: Fiberglass Boat Builder Education Requirement: Moderate-term on-the-job training	107	\$31,387
<b>Carpenters</b>	Construct, erect, install, or repair structures and fixtures made of wood. May also install cabinets, siding and batt or roll insulation. Example: Shipwright Education Requirement: Long-term on-the-job training	102	\$40,144
<b>Plumbers, Pipe &amp; Steam Fitters</b>	Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. Education Requirement: Long-term on-the-job training	62	\$49,566
<b>Electricians</b>	Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. Education Requirement: Long-term on-the-job training	55	\$52,250
<b>Machinists</b>	Set up and operate a variety of machine tools to produce precision parts and instruments. Include precision instrument makers who fabricate, modify, or repair mechanical instruments. Education Requirement: Long-term on-the-job training	51	\$38,875
<b>Sheet Metal Workers</b>	Fabricate, assemble, install, and repair sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings. Education Requirement: Long-term on-the-job training	44	\$41,704
<b>Supervisors of Production Workers</b>	Supervise the activities of production and operating workers, such as inspectors, precision workers, machine setters & operators, assemblers, fabricators, and plant & system operators. Education Requirement: Work experience in a related occupation	35	\$51,438
<b>Team Assemblers</b>	Work as part of a team having responsibility for assembling an entire product or part of a product. Team assemblers can perform all tasks conducted by the team and rotate through all or most of them. Education Requirement: Moderate-term on-the-job training	27	\$21,715
<b>Painters, Transportation Equipment</b>	Operate or tend painting machines to paint surfaces of transportation equipment, such as automobiles, trucks, trains, boats, and airplanes. Education Requirement: Moderate-term on-the-job training	25	\$35,256
<b>Laborers &amp; Material Movers</b>	Manually move freight, stock, or other materials or perform other unskilled general labor. Education Requirement: Short-term on-the-job training	22	\$25,438
<b>Motorboat Mechanics</b>	Repair and adjust electrical and mechanical equipment of gasoline or diesel powered inboard or inboard-outboard boat engines. Education Requirement: Short-term on-the-job training	20	\$37,606
<b>Helpers, Production Workers</b>	Help production workers by performing duties of lesser skill. Duties include supplying or holding materials or tools, and cleaning work area and equipment. Education Requirement: Short-term on-the-job training	18	\$20,634

# Rhode Island

## Occupations in



## Ship and Boat Building

### Labor Market Information

RI Department of Labor & Training

1511 Pontiac Avenue

Cranston, RI 02920

Phone (401) 462-8740

TDD (401) 462-8006

The most recent employment projections have RI employment reaching 573,473 by 2016. With slower job growth expected for the 2006-2016 period compared to the 1996-2006 period, it is important to identify better performing industries, since these industries are the most likely to add jobs during the years ahead.

There were 48 companies in Rhode Island classified in Ship and Boat Building, employing a total of 3,330 workers in 2006. While declines in Rhode Island's Manufacturing sector are expected to continue during the 2006 to 2016 projection period, Transportation Equipment manufacturing, of which Ship and Boat Building is a major component, is expected to steadily increase.

Nationally, there were 1,917 Ship and Boat Building establishments in 2006 employing 154,056 workers. Virginia is the largest employer in this industry, employing 22,036 workers. This represents nearly 15 percent of the nation's employment within the Ship and Boat Building industry. Rhode Island's 3,330 workers in the Ship and Boat Building

industry ranked thirteenth in the nation and accounted for slightly more than two percent of the industry's national employment. In comparison, total employment in Rhode Island ranked forty-fourth, representing less than one percent (0.4%) of the nation's private sector employment.

The 2006 Rhode Island annual average wage for Ship and Boat Building was \$46,022, nineteen percent higher than Rhode Island's private sector annual average wage of \$38,732. Rhode Island's 2006 annual average wage for Ship and Boat Building ranked eighth in the country and was slightly higher than the national average wage of \$44,562. In 2006, the median wage for occupations within the Ship and Boat Building industry ranged from a low of \$9.89 per hour for Stock Clerks and Order Fillers to a high of \$50.44 for Engineering Managers.

More than forty percent of the workers in the Ship and Boat Building industry are employed as Welders, Cutters & Solderers; Structural Metal Fabricators & Fitters; Carpenters; Fiberglass

## *The Ship and Boat Building Industry*

*Includes establishments primarily engaged in operating ship or boat manufacturing facilities known as shipyards or boatyards. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, which is defined as watercraft typically intended for nonpersonal or recreational use. Boats are defined as watercraft not built in shipyards and are typically intended for personal uses.*

Laminators & Fabricators; and Machinists. More than 550 job openings are expected for these five occupations during the ten year projection period.

Job openings result from two major factors: the need to replace workers who leave an occupation because of a job change, retirement or death and the need to fill vacancies generated by economic expansion. During the 2006 to 2016 projection period, it is estimated that the Ship and Boat Building industry will need to find workers to fill more than 1,200 job openings. Forty-four percent of the job openings are attributed to the economic growth that is expected to occur during the projection period; the other fifty-six percent of the job openings are due to replacement needs. It is projected that approximately 70 percent of the positions that are expected to be filled over the ten year projection period will occur among the occupations listed on the following table. (See back of brochure)

## Rhode Island 2016 Projections

### Employment in Ship and Boat Building

	2006	2016	Numeric Change	Percent Change
Employment in:				
Rhode Island	522,911	570,461	47,550	9.1%
Manufacturing	52,726	47,900	-4,826	-9.2%
Transportation Equipment	3,468	4,000	532	15.3%