

Captains, Mates, and Pilots of Water Vessels (53-5021)

Occupation description: Command or supervise operations of ships and water vessels, such as tugboats and ferryboats. Required to hold license issued by U.S. Coast Guard. Excludes Motorboat Operators (53-5022).

Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	647	679	4.9	22	44	69
United States	38,800	42,200	8.8	1,400	2,700	4,440

Job outlook

Alaska: Alaska's employment growth is low with high employment opportunities. [Read more.](#)

2017 Wages

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	38.93	17.13	23.72	34.10	48.80	66.65
Alaska	33.02	18.71	24.02	29.76	42.08	50.22
Anchorage/Mat-Su Area	38.40	22.92	27.83	39.94	47.85	55.84
Southeast Region	35.40	23.43	26.69	35.07	42.09	50.12
Balance of State	30.90	17.22	21.32	27.89	39.08	50.12

Labor Force Indicators

2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
1,100	650	59.1	51.4	42.0

2016 Potential Supply

Qualified but working in another occupation	88
Currently employed in a lower paid occupation	78
UI claimants previously working in occupation	166

2016 ALEXsys Employment Data

Number of registrants	629
Number of job position postings	74
Ratio of registrants to job position postings	8.5

Alaska Licensing Information

Charter Boat Operator – [View licensing requirements and number licensed](#)
 Marine Pilot – [View licensing requirements and number licensed](#)
 Merchant Mariner – [View licensing requirements and number licensed](#)

Typical Entry-level Education, Experience, and/or On-the-job Training

Education: Postsecondary non-degree award

Work experience: Less than
5 years

On-the-job training: None

Training Resources

	Degree
Alaska Marine Safety Education Association (Sitka)	
Ergonomics and Injury Prevention for Commercial Fishermen	
F/V Stability and Damage Control	
Marine Survival Equipment, Procedures and Onboard Drills, 10 Hour	
Marine Survival Equipment, Procedures and Onboard Drills, 18 Hour	
Alaska Nautical School (Wasilla)	
Able Seaman	
Master up to 100 GT Near Coastal Water	Certificate
OUPV Near Coastal	
OUPV Restricted to Freshwaters and Rivers of Western Alaska	
Upgrade 100 GT Master to 200 GT Master	
Alaska Waters Consulting (Anchorage)	
Alaska Waterwise	
Celestial Navigation	
Masters License - 25/50/100 Ton	
Masters upgrade - 100 Ton	
Masters upgrade - 200 Ton	
Masters/Mate upgrade - 200 Ton	
Navigation Rules of the Road	
OUPV License ("Six Pack License")	
Restricted OUPV License (Freshwater six pack)	

	Degree
AVTEC (Seward)	
Able Seaman	Certificate
Advanced Fire Fighting	
Advanced Fire Fighting Revalidation	
Advanced Training For Polar Operations (Polar Code)	
Assistance Towing	
Automatic Radar Plotting Aids (ARPA) Operations	Certificate
Basic First Aid and CPR	Certificate
Basic Meteorology	
Basic Training	Certificate
Basic Training For Polar Operations (Polar Code)	
Basic Training Revalidation	
Bridge Resource Management	Certificate
Crowd Management	
Electronic Chart Display and Information System (ECDIS)	
FCC Marine Radio Operators Examination (MROP)	Certificate
Global Maritime Distress & Safety Systems	Certificate
Ice Navigation	
Leadership and Managerial Skills	
Leadership and Teamworking Skills	
Marlinspike Seamanship	
Master 100 Tons/Mate 200 Tons	
Master/Mate 500 and 1600 Ton NC Prep Class	
Master/Mate Not More Than 200 Tons	Certificate
Medical Care Provider	
Meteorology	
Operator of Uninspected Passenger Vessels (OUPV)	
Proficiency in Survival Craft	Certificate
Qualified Member of the Engine Department (QMED)	
Radar Observer	Certificate
Radar Observer Refresher	Certificate
Radar Observer, Recertification	Certificate
Rating Forming Part of Navigational Watch	Certificate
Rating Forming Part of Navigational Watch (RFPNW) Assessments	
Tankship-Dangerous Liquids	Certificate
Vessel Personnel with Designated Security Duties	
Vessel Security Officer	
Visual Communications/Flashing Light	

	Degree
Northern Industrial Training (Palmer)	
Arctic Survival: Wilderness & Outdoor Awareness Preparedness	
Cold Water Survival & Egress	
Cold Water Survival Training/046	
Helicopter Underwater Egress Training - HUET	

	Degree
Southwest Alaska Vocational and Education Center (Igiugig)	
Mariners Learning System USCG Testing	
Masters 25/50/100 Ton Training Leading to USCG License	
Restricted Operator of Uninspected Passenger Vessel (ROUPV)	

Department of Labor and Workforce Development, Research and Analysis Section
P.O. Box 115501
Juneau, Alaska 99811-5501
Phone: 907.465.4500, Fax: 907.523.9654
January 18, 2019