

**PROGRAM APPROVAL APPLICATION**  
**NEW or SUBSTANTIAL CHANGE or LOCALLY APPROVED**  
**(This application may not exceed 3 pages)**

**Fill In Form**

Proposed Program Title

Professional Mariner Associate of Science Degree

College

Orange Coast College

District

Coast Community College District

Projected Program Start Date

**Aug. 23, 2015**

[Click here to enter text.](#)

Voting Member

Susan Coleman

Title

Interim Dean

Phone Number

714 432-5531

E-mail Address

Scoleman17@occ.cccd.edu

**Goal(s) of Program (Check all that apply):**

Career Technical Education (CTE)

Transfer

Other

**Type of Program (Check all that apply):**

A.S. Degree

A.A. Degree

Certificate of Achievement:

18+ semester (or 27+ quarter) units

12-18 semester (or 18-27 quarter) units

**Reason for Approval Request: (Check One)**

New Program

Substantial Change

Locally Approved

**Program Information**

Recommended Taxonomy of Program (TOP) Code 0959.00

Units for Major-Degree 21

Total Units for Degree 60

Required Units-Certificate 21

**Written Form**

1. Insert the description of the program as it will appear in the catalog.  
 Curriculum includes career path identification and job search preparation in the maritime industry, maritime environment, seamanship, boat handling, navigation, and boat maintenance. In addition to lecture, most courses include hands-on practical exercises.  
 Students must be able to swim 50 yards and tread water for 10 minutes. Previous boating experience is advantageous but not required. Facility fees will be charged.

The Professional Mariner Program prepares students for careers in the maritime industry in Southern California and around the world in private or commercial vessel operations: Large private yachts, charter yachts, cruise ships, passenger ferries, sport fishing, commercial fishing, whale watching, dive boats, supply vessels, work boats, tug boats, and commercial shipping. These vessels must operate with qualified crew. The curriculum was developed with guidance from an advisory

council of maritime professionals who rank skills and knowledge required in their deck crew. Upon completion of the program there are employment opportunities with competitive salary.

2. Provide a brief rationale for the program.

The Advisory Board consisting of marine professionals recommended A.S. degree and the labor market supports it. The Orange Coast College Professional Mariner Program was approved as a Certificate of Achievement in 2008 but they did not check the box for AS degree approval. **This request is to add the AS degree to a previously approved program.**

Students who complete this program will be employed as deckhands on private yachts or commercial vessels and will have earned their STCW for U.S. Coast Guard Basic Safety Training.

3. List all courses required for program completion, including core requirements, restricted electives and prerequisites.

Courses	Course No.	Course Title	Units
Marine Activities	A150	Coastal Navigation	3.0
"	A151	Maritime Industry	2.0
"	A152	Boathandling and Seamanship	3.0
"	A154	Yachtkeeping and Engine Maintenance	2.0
"	A136	Introduction to Sailing	1.0
"		or	
"	A137	Intermediate Sailing – Intro to Keelboats	1.0
"	A153	Marine Basic Safety Training	4.0
"	A157	Radar Observer	2.0
"	A200	Professional Mariner Internship	3.0
"			<b>21</b>
<b>Total Core Requirements</b>			
<b>Suggested Electives:</b>			
Business	A120	Personal Financial Success	3.0
Health Sciences	A100	Personal Health Education	3.0
Kinesiology	A107	Fitness Programs I	.5-3.0
Kinesiology	A108	Strength and Conditioning	.5-3.0
Kinesiology	A131	Swimming for Fitness	1 -2
Leadership Studies	A180	Personal Leadership	3.0
Maritime Activities	A138	Introduction to Ocean Sailing	2
Food and Nutrition	FN 185	Cultural Foods	2.0
Math	A170	Precalculus	4
Any Foreign Language			4-5.0
			<b>18</b>
<b>General Education minimum for A.S. Degree</b>			<b>60</b>
<b>Total Units required</b>			

4. Summarize the Labor Market Information and employment outlook (including citation of the source of the data) for students exiting the program.

State of California Employment Development Department. **Sailors and Oilers**

Area	Year	Period	Hourly Mean	Hourly by Percentile		
				25th	Median	75th
California	2014	1st Qtr	\$15.39	\$11.26	\$13.32	\$19.52

**Occupational Projections of Employment (also called "Outlook" or "Demand")**

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Area	Estimated Year-Projected Year	Employment		Employment Change		Annual Avg Openings
		Estimated	Projected	Number	Percent	

Estimated Employment and Projected Growth Sailors and Marine Oilers					
Geographic Area (Estimated Year-Projected Year)	Estimated Employment	Projected Employment	Numeric Change	Percent Change	Additional Openings Due to Net Replacements
California (2012-2022)	2,400	2,800	400	16.7	1,100

According to EMSI the **Orange County Data** for Sailors and Oilers is:

263 Jobs (2014) 23% below National Ave	6.3% %Change(2013-2014) Nation: 2.6%	\$19.62/hr Median Earnings Nation: \$18.73/hr
248 2013 Jobs	263 2014 Jobs	16 jobs 6.3% change (2013-2014)

5. List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. According to the Chancellor's Office Curriculum Inventory Saddleback and Orange Coast College are the only two colleges in the state offering these programs.

College	Program	Who you Contacted	Outcome of Contact
Saddleback Community College	Marine Science Technology Seamanship	Don Busche Interim Dean of Technology	Saddleback has no concern with the OCC program and supports the addition of the AS Degree

According to 2014 Saddleback catalog they had less than 10 completers in 2012-2013.

6. Include any other information you would like to share.  
 The Orange Coast College Professional Mariner Program has prior approval for the Certificate of Achievement; this submission is to request approval to add the A.S. degree.

This program is located at the OCC Sailing and Seamanship Center and prepares students for careers in the maritime industry in Southern California and around the world in Private and commercial vessel operations including: large private yachts, charter yachts, cruise ships, passenger ferries, sport fishing, commercial fishing, whale watching, dive boats, supply vessels, work boats, tug boats and commercial shipping.

The 2015 Advisory Committee which met on March 6, 2015 and committee confirmed the need for employees in the yacht, sport fishing, tugs, barges and ports in the next 10 years. Yacht and sport fishing has immediate need for professional mariner employees.