

Port of **Houston** Authority



HOUSTON

America's Distribution Hub for the Next Generation

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Advisory Council on Supply Chain Competitiveness (ACSCC)

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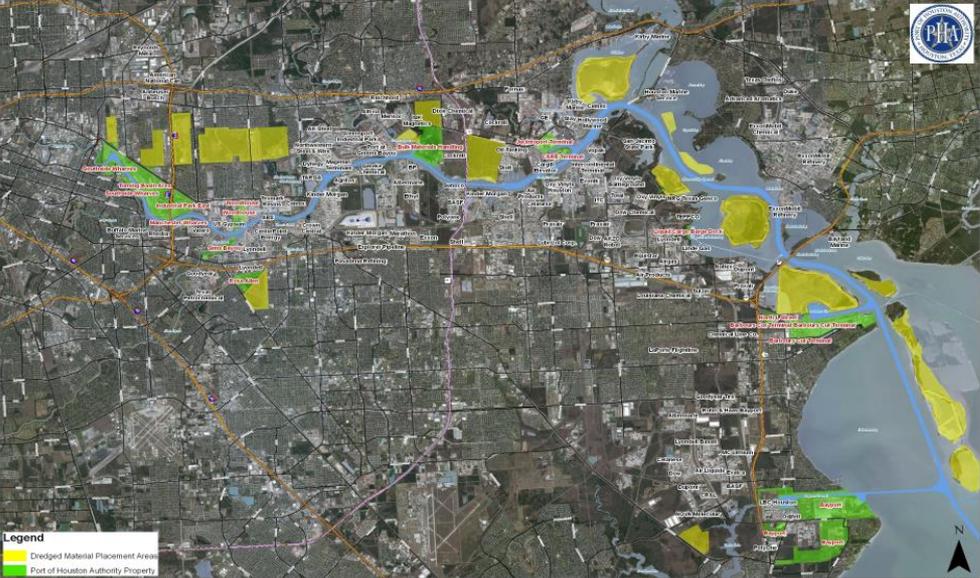


PORT OF HOUSTON

ABOUT THE PORT OF HOUSTON

- Serving Houston for 100+ years
- 150 private and public facilities
- #1 U.S. port in foreign waterborne tonnage
- #1 U.S. petroleum, steel & project cargo port
- PHA is sponsor of the Houston Ship Channel
- PHA has 43 general cargo wharves
- Deep water access/intermodal

HOUSTON SHIP CHANNEL



WORK AT THE PORT



CONTINUED RECORD GROWTH & ADDRESSING AN AGING WORKFORCE



- 2 Million Twenty-Foot Equivalent Units (TEUs) in 2015
- 2.1 Million Jobs Nationwide
- \$265 Billion Economic Activity Across the Nation
- Largest Container Port in US Gulf of Mexico
- 30.5 Million Tons of Cargo

PHA AND PHPME WORKING TOGETHER FOR THE NEXT GENERATION

- Non-profit PHPME formed in 2009 with support from Port Authority
- PHPME helped establish two-year and four-year maritime degree programs and training at local higher education institutions
- \$3.5 million investment in education in past five years



MARITIME EDUCATION PROGRAMS



- **Houston Independent School District**
 - Stephen F. Austin School for Maritime Studies
 - Jack Yates High School
- **Pasadena Independent School District**
 - Dr. Kirk Lewis Career & Technical School
- **Galena Park ISD**
 - Galena Park High School
 - North Shore Sr. High School
- **La Porte Independent School District**
 - La Porte High School

CERTIFICATIONS AVAILABLE FROM HIGH SCHOOLS

Stephen F. Austin & Jack Yates High Schools

- TWIC Card
- CPR Certification
- OSHA Certification
- Global Logistics Associate (GLA) Certification
- 2016-2017, Forklift Certification
- Entry-level Merchant Mariner Credentials (Z-Card) (US Coast Card Credentials)
- Merchant Mariner 719 KE Medical Exam Administered by UTMB
- HCC Dual Credit - 17 Credits
 - Level-1 Maritime Logistics Certificate
 - Certified Logistics Associate – CLA Certification
 - Certified Logistics Technician – CLT Certification

Galena Park High School

- TWIC Card
- CPR Certification
- OSHA 10 Hour General Safety Certification

La Porte High School

- TWIC Card
- CPR Certification
- OSHA 10 Hour General Safety Certification
- Entry-level Merchant Mariner Credentials (Z-Card) (US Coast Card Credentials)

Pasadena Career & Technical High School

- OSHA 10 Hour General Safety Certification
- Texas Boater Education Certificate
- Forklift Certification
- LINCS Supply Chain Management Certifications at this Time.

MARITIME EDUCATION PROGRAMS



Texas A&M Maritime Academy

- Professional Licensing for Maritime Professions
- Training Ship GENERAL RUDDER for Extended Training in the Gulf
- Bridge Simulator for Sailing Experience in Any Type Weather



- Center for Logistics & Transportation Policy
- Supply Chain & Logistics Technology

MARITIME EDUCATION PROGRAMS



TSU Maritime Student Volunteers
at the Maritime Youth Expo



MARITIME EDUCATION PROGRAMS



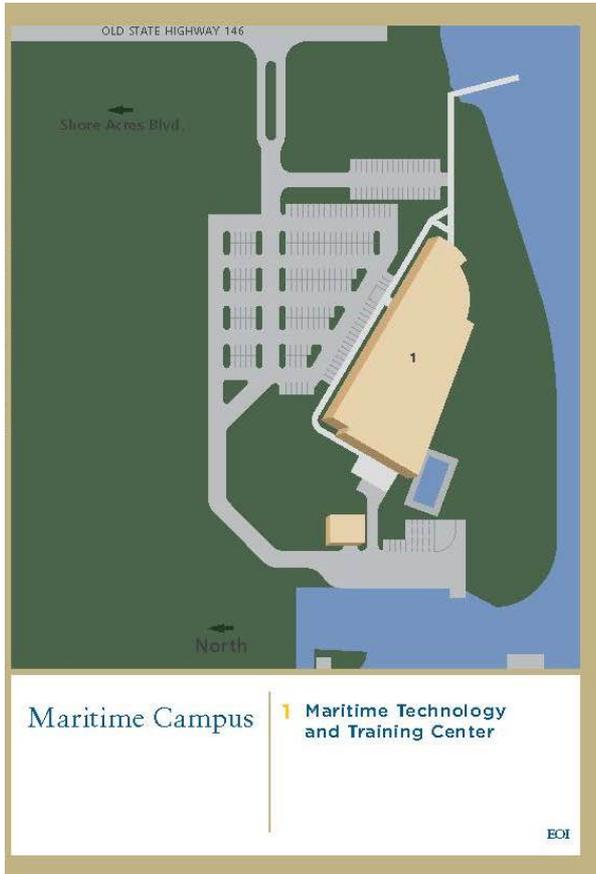
Associated Science Degree in Global
Supply Chain and Logistics Management
in Specialization Maritime Logistics

One Year Certificates in:

- Global Supply Chain Management,
OSHA Certification, Certified Logistics
Associates

San Jacinto Maritime Technology & Training Center Campus





San Jacinto Maritime Technology & Training Center Campus

PHPME PARTNERS IN EDUCATION

Industry Partners

Aramco Services Company
Bay-Houston Towing Co.
Buffalo Marine Service, Inc.
G & H Towing Company
Gulf Stream Marine, Inc.
Gulf Winds International
Higman Marine Services, Inc.
Houston Pilots Association
Intermarine Worldwide
J. Ray McDermott
Kirby Corporation
Rickmers-Linie America
Seamar Holdings, LLC
Southwest Shipyard, LP
Texas Terminals, LP
West Gulf Maritime Association

Academic Partners

School Districts

Houston ISD
Galena Park ISD
La Porte ISD
Pasadena ISD

Community Colleges

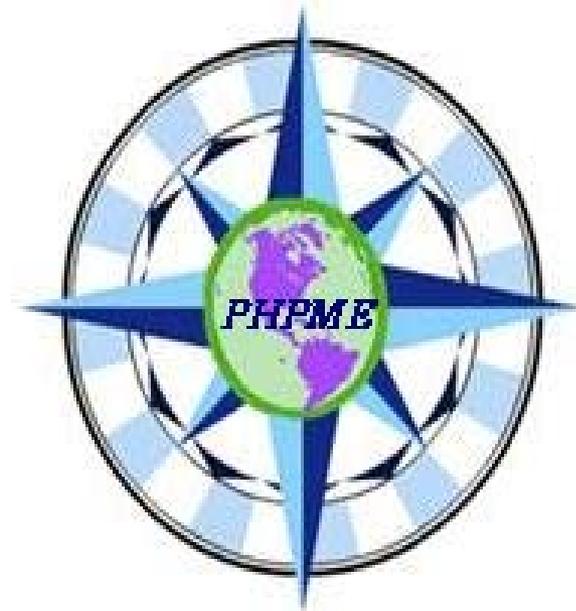
Houston Community College
Lee College-Baytown
San Jacinto College

Universities

Texas A&M University-
Galveston
Texas Southern
University
University of Houston

Federal Partners

U.S. Coast Guard
U.S. Customs and Border Protection
U.S. Maritime Administration
U.S. Merchant Marine Academy



OTHER COLLABORATIONS



MARITIME & LOGISTICS CAREER PATHWAYS

Inland Service

- Deckhand
- Tankerman
- Apprentice Mate
- Mate-Pilot
- Master of Towing (Captain)

Near Coastal Service

- Ordinary Seaman
- Able-bodied Seaman
- Master 100-1600 Ton

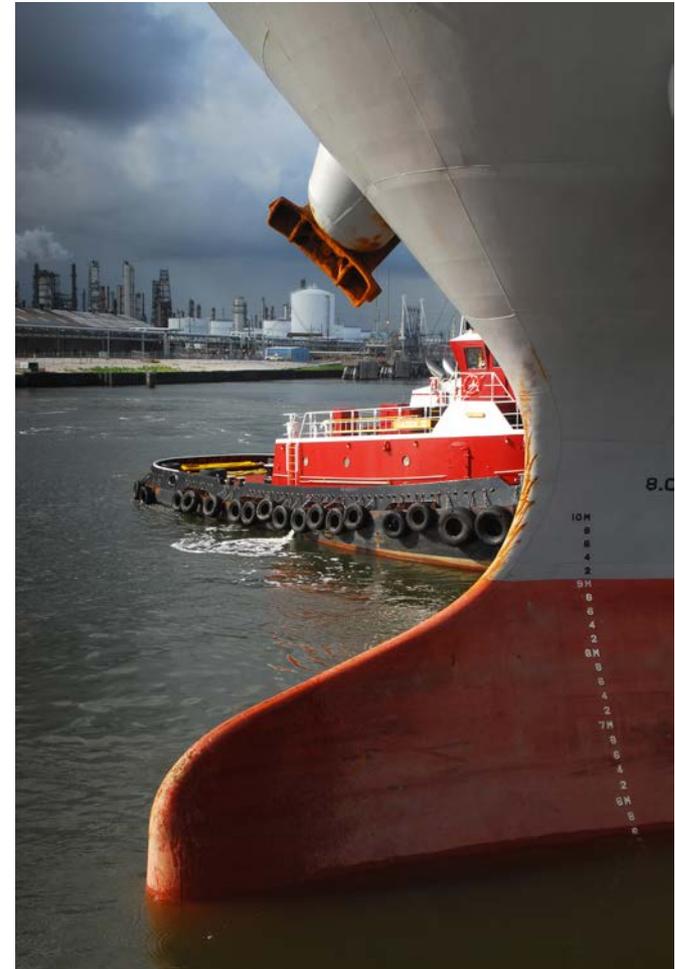
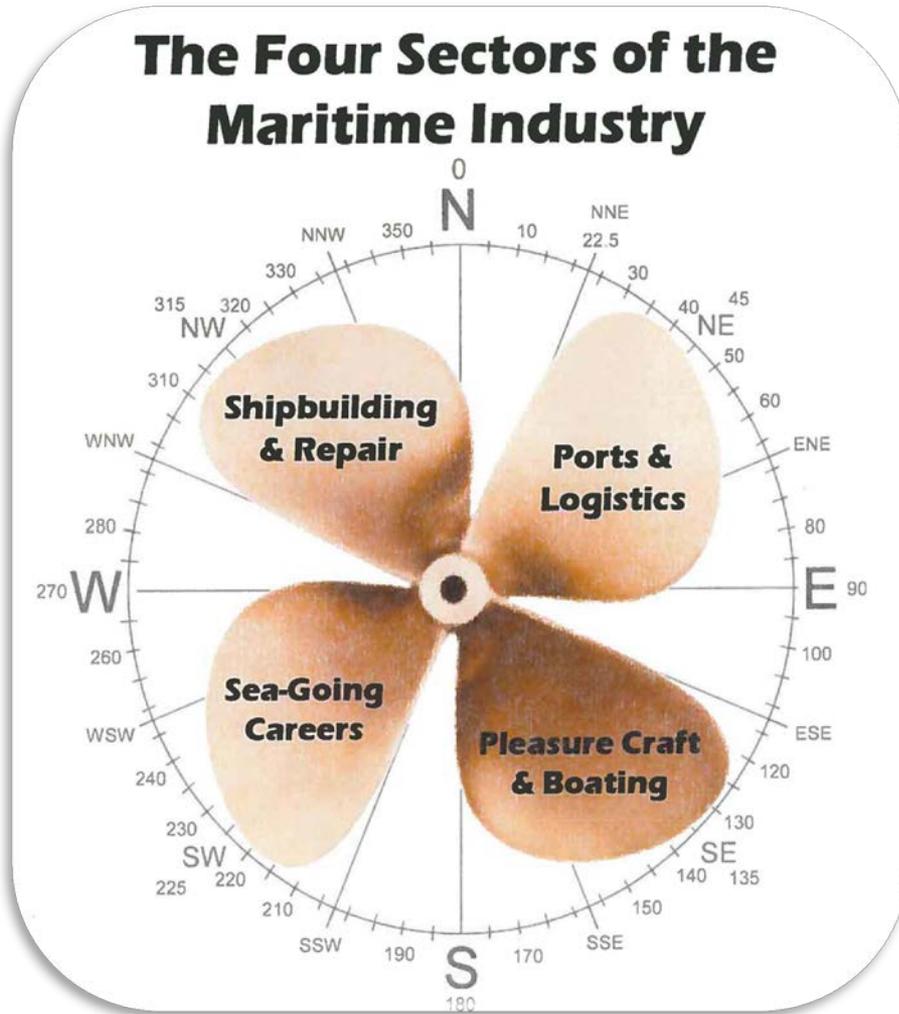
Oceangoing

- Cooks and Stewards
- Ordinary Seaman
- Able-bodied Seaman
- Third Mate
- Second Mate
- Chief Mate
- Master

Logistics

- Supply Chain Management
- Warehouse Operations
- Freight Forwarder
- Fork Lift and Crane Operators
- Marketing Representative

4 SECTORS OF THE MARITIME INDUSTRY



The SMART Choice



<https://youtu.be/Ko4Rm4QnfkQ>

Questions?

