

America's Distribution Hub for the Next Generation

Gilda Ramirez, Sr. Director, Port of Houston Authority Advisory Council on Supply Chain Competitiveness (ACSCC) April 21, 2016

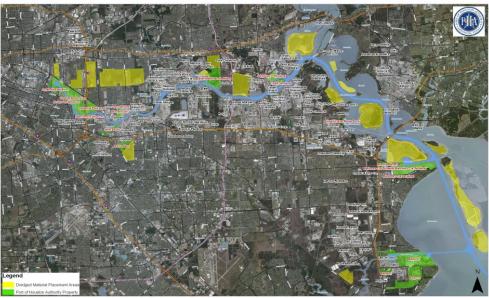


PORT OF HOUSTON

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

100 Jobs at the Port of Houston

Accountant Admiralty Attorney Auditor

Accounts Receivable/Payable Assistant Administrative Assistant Architect Assistant Credit Manager **Channel Development Manager Community Relations Computer System Programmer** Container Operations Manager Cook **Corporate Communications** Crane Operator Credit and Billing Manager Credit and Collection Assistant **CRT** Operator **Customer Account Analyst Customer Service Representative Data Analyst Dredge Boat Operator Economic Analyst Electrical Engineer**

Electrician

Emergency Management Officer

First Mate Foreman General Counsel Government Relations Human Resources INE Technician Inspector Intermediate Clerk Intern Inventory Coordinator

> ISO Document Control Coordinator IT Technician Lab Tech Landscaper Lineman Longshoreman

Mail Clerk

Environmental Affairs Environmental Consultant Event Planner Executive Director Facility Security Officer Field Engineer Financial Analyst Fireboat Hoseman Fireman Maintenance Maritime Academy Manager Marketing Manager Master Data Coordinator Master Scheduler Materials Manager Mechanic Pipeline Public Awareness Officer Pipeline Inspector

> Pipeline Technician Plant Manager

Production Chemist Production Engineer Production Facilitator Production Operator Production Trainer Project Manager **Public Relations** Purchasing Agent **Quality Control** Analyst Rail Car Operator **Raw Material** Purchaser **Real Estate Specialist** Receptionist **Records Management** Specialist Reproduction Operator **Risk Management** Officer Safety Manager Sample Coordinator

Police Officer

Transportation Specialist Truck Driver Truck Loader Utility Worker Vessel Services Supervisor Warehouse Manager Warehouse Operator Welder Wharf Supervisor

Security Officer Senior Clerk Senior Payroll Specialist Shift Coordinator Ship Captain Ship Pilot Shipping Coordinator Site Accountant Special Projects Manager Stevedore Strategic Planning Transportation Clerk

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

Port of Houston Authority MARITIME EDUCATION PROGRAMS



MARITIME EDUCATION PROGRAMS



HOUSTON COMMUNITY COLLEGE

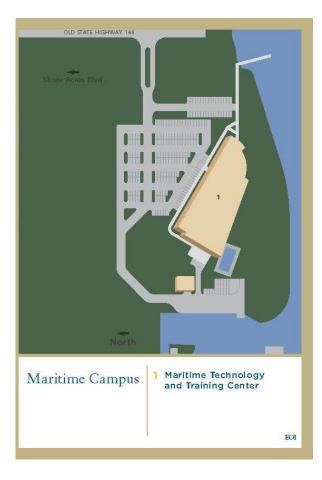
Associated Science Degree in Global Supply Chain and Logistics Management in Specialization Maritime Logistics

Port of **Houston** Authority

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



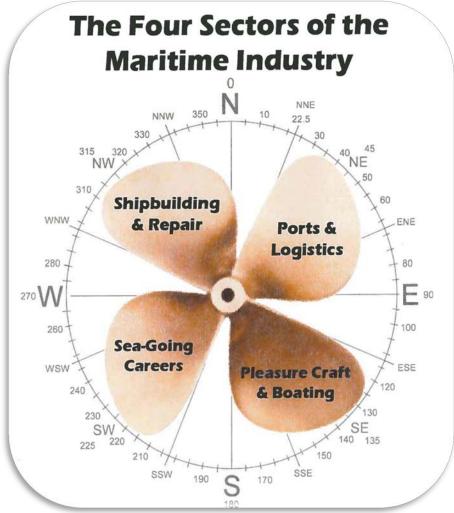
OTHER COLLABORATIONS



Port of Houston Authority MARITIME & LOGISTICS CAREER PATHWAYS

Inland Service	Near Coastal Service	Oceangoing	Logistics
 Deckhand Tankerman Apprentice Mate Mate-Pilot Master of Towing (Captain) 	 Ordinary Seaman Able- bodied Seaman Master 100-1600 Ton 	 Cooks and Stewards Ordinary Seaman Able- bodied Seaman Third Mate Second Mate Chief Mate Master 	 Supply Chain Management Warehouse Operations Freight Forwarder Fork Lift and Crane Operators Marketing Representative

4 SECTORS OF THE MARITIME INDUSTRY





Port of Houston Authority

The SMART Choice



https://youtu.be/Ko4Rm4QnfkQ

Questions?

