



**PORT HOUSTON**  
THE INTERNATIONAL PORT OF TEXAS™

# America's Distribution Hub for the Next Generation

Gilda Ramirez | Sr. Director | Port Houston



# Port Commission



**PORT HOUSTON**  
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**Ric Campo**  
*Chairman*



**Wendy Montoya Cloonan**



**Dean E. Corgey**



**Clyde Fitzgerald**



**Theldon R. Branch, III**



**Stephen H. DonCarlos**



**Roy D. Mease**

# About the Port of Houston

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- 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



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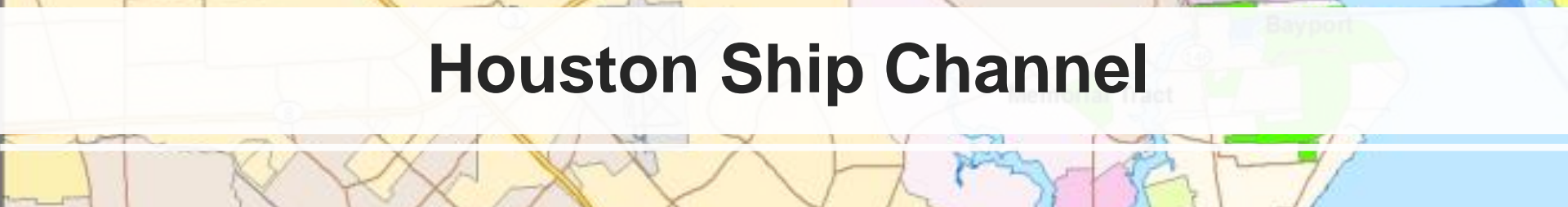




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# Houston Ship Channel



# Continued Record Growth & Addressing an Aging Workforce

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- Port Authority has seen record growth in recent years and maritime employment remains strong in Texas
- 2.1 Half of the region's maritime workers are age 50 or older and are quickly approaching retirement.
- In 2009, the Port of Houston Authority (PHA) brought together stakeholders to address this problem and formed a nonprofit organization, the Port of Houston Partners in Maritime Education (PHPME).





# Port Houston and PHPME Working Together for the Next Generation

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- 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
- \$5 million investment in education in past nine years



# Maritime Education Programs



## Maritime Academy High School Programs

- Galena Park, Houston, La Porte, and Pasadena Independent School Districts
  - HISD has designated Stephen F. Austin, one of the participating High Schools as a Maritime Magnet School offering a curriculum heavy in math, science and maritime industry programs

## Program Benefits

- Dual course credits
- CPR, Forklift, and OSHA 10 Hour General Safety Certifications
- Texas Boaters Education Certificate
- TWIC Card (Transportation Worker Identification Credential)
- Entry level Merchant Mariner Credentials (Z-Card) (US Coast Guard Credentials)
- Exposure to maritime careers such as U.S. Coast Guard, U.S. Customs & Border Protection, vessel pilot, warehousing, and logistics



# Maritime Education Program



## Houston Community College Southeast



### One-year Certifications:

- Logistics & Global Supply Chain Management (General Level I)
- Logistics & Global Supply Chain Management (Specialist Level I)

### Associate Degree:

- Logistics & Global Supply Chain Management with a concentration in Maritime Logistics



# Maritime Education Program



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## San Jacinto Maritime Technology & Training Center

- More than 72 USCG-approved maritime courses
- Full-range of non-credit courses for professional mariners and company specific training for maritime companies

### Associate Degree:

- Maritime Transportation

 SAN JACINTO  
COLLEGE  
*Your Goals. Your College.*



# Maritime Education Programs



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TEXAS A&M UNIVERSITY  
GALVESTON CAMPUS®



## Texas A&M University at Galveston

- One of six maritime academies in the United States
- Training Ship GENERAL RUDDER for extended training in the Gulf
- Bridge Simulator for sailing experience in any type weather
- Professional Licensing for Maritime Professions

### Degrees Programs:

- Maritime Administration
- Marine Engineering Technology
- Marine Transportation
- Marine Sciences
- Master of Maritime Administration and Logistics

# Maritime Education Programs



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## University of Houston

### Logistics & Transportation Certificate:

- Logistics & Transportation Policy Program

### College of Technology Degree:

- Supply Chain & Logistics Technology



**University of Houston**  
**DOWNTOWN**

## University of Houston Downtown

### College of Business Degree:

- Supply Chain Management
- Applied Arts & Sciences in Applied Administration
- Masters in Supply Chain Management



# Maritime Education Program



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## Texas Southern University - Maritime Academy

**Department of Transportation Studies Degree:**

- Maritime Transportation Management and Security



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# Maritime Education Program

## Paul Hall Center for Maritime Training and Education Unlicensed Apprentice Program

The Unlicensed Apprentice program successfully integrates vocational training and academic enrichment for professional advancement as a U.S. Merchant Mariner.

The Unlicensed Apprentice Program consists of five-phases of instruction.



### Advanced Training include:

- Able Seafarer-Deck
- Able Seafarer-Engine
- Certified Chief Cook



Program trainees pay no tuition or housing, but do receive a weekly stipend.

PHPME awards partnering High School students a \$1500 scholarship upon acceptance into the program.

# PHPME Partners in Education



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## Industry Partners

Aramco Services Company  
Bay-Houston Towing Co.  
Bertling Logistics  
Buffalo Marine Service, Inc.  
G & H Towing Company  
Gulf Stream Marine, Inc.  
Gulf Winds International  
Houston Pilots Association  
J. Ray McDermott  
Kirby Corporation  
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  
San Jacinto College

### Universities

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

## Business/Organization Partners

East End Chamber  
Economic Alliance Houston Port Region  
Greater Houston Partnership  
Greater Houston Black Chamber  
Houston Maritime Museum  
LaPorte-Bayshore Chamber  
NAMEPA  
North Channel Chamber  
Pasadena Chamber  
SERS Jobs  
Workforce Solutions

## Federal Partners

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



# Other Collaborations



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# TransPORTs

Transportation, Distribution & Logistics Registered Apprenticeships



North American Marine Environment Protection Association®

# NAMEPA

2014 Lloyd's List Awards ENVIRONMENT AWARD WINNER



Workforce Solutions

**SMART**  
SOUTHEAST MARITIME AND TRANSPORTATION CENTER



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# THANK YOU

**Gilda Ramirez**

Sr. Director  
Port Houston

**Questions?**

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