America’s distribution hub for the next generation

Gilda Ramirez, Sr. Director Port of Houston Authority
American Association of Port Authorities
March 3, 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
PORT OF HOUSTON PARTNERS IN MARITIME EDUCATION (PHPME)

- 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

- Maritime Academy at local high schools
- Texas Southern University Maritime Degree Program/Summer Maritime Academy
- San Jacinto College Bayport Maritime Campus
- Houston Community College
- Texas A&M University at Galveston
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 Shipyards, 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
## MARITIME CAREER PATHWAYS

<table>
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<tr>
<th>Inland Service</th>
<th>Near Coastal Service</th>
<th>Oceangoing</th>
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<tr>
<td>Deckhand</td>
<td>Ordinary Seaman</td>
<td>Cooks and Stewards</td>
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<tr>
<td>Tankerman</td>
<td>Able-bodied Seaman</td>
<td>Ordinary Seaman</td>
</tr>
<tr>
<td>Apprentice Mate</td>
<td>Master 100-1600 Ton</td>
<td>Able-bodied Seaman</td>
</tr>
<tr>
<td>Mate-Pilot</td>
<td></td>
<td>Third Mate</td>
</tr>
<tr>
<td>Master of Towing (Captain)</td>
<td></td>
<td>Second Mate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chief Mate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Master</td>
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</tbody>
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4 SECTORS OF THE MARITIME INDUSTRY

• Shipbuilding and ship repair
• Ports and logistics
• Seagoing careers
• Pleasure craft and boating
SHIPBUILDING AND SHIP REPAIR

- Build and repair seagoing vessels
- Large-scale projects
- Require flexible, dynamic and motivated workforce
- Excellent wage and career opportunities
PORTS AND LOGISTICS

• Move everything we use as a society across the supply chain
• Constantly changing industry
• Intermodal systems, moving from ship to train or to roads
• Perfect for problem solvers with mission-driven attitudes
SEAGOING CAREERS

• Travel the world on the high seas
• Jobs range from maintaining engines to piloting to cooking meals
• Coast Guard certifications often required
PLEASURE CRAFT AND BOATING

- Design, produce, repair and maintain yachts and pleasure craft
- Perfect for those who enjoy working with others who are out to enjoy themselves
- Travel the world on a cruise ship
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
Environmental Affairs
Environmental Consultant
Event Planner
Executive Director
Facility Security Officer
Field Engineer
Financial Analyst
Fireboat Hoseman
Fireman
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
Maintenance
Maritime Academy Manager
Marketing Manager
Master Data Coordinator
Master Scheduler
Materials Manager
Mechanic
Pipeline Public Awareness Officer
Pipeline Inspector
Pipeline Technician
Plant Manager
Police Officer
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
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
Transportation Specialist
Truck Driver
Truck Loader
Utility Worker
Vessel Services Supervisor
Warehouse Manager
Warehouse Operator
Welder
Wharf Supervisor
Questions?