Basic Offshore Safety and Survival Training for Virginia Offshore Wind Development Activities

Briefing to

Virginia Offshore Wind Development Authority

Richmond, VA

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Context: Offshore Wind Workforce Readiness in Virginia
Leverage Existing Programs at Tidewater Community College: www.maritime-technology.org

TCC offers transportation programs including a range of certifications and training for maritime and automotive careers.

MARITIME & TRANSPORTATION MENU

- Maritime & Transportation
- Apprenticeship Programs
- Automotive & Diesel
- Hampton Roads Maritime Training Program
- Maritime Logistics
- Motorcycle Rider Training
- SMART Center
- Online Courses
- Enroll Now

SMART Center

The Southeast Maritime and Transportation (SMART) Center is the only National Science Foundation Advanced Technology Education (NSF-ATE) Center solely focused on increasing the number of well-qualified, skilled technicians in the maritime and transportation industry.

Visit the SMART website for more information.

Contact Us:
SMART Center
1700 College Crescent
Virginia Beach, VA 23453
757-822-7726
wdinfo@tcc.edu
Leverage Existing Programs at Tidewater Community College:  www.tccport.com

Be a Maritime Welder
Start-to-finish: 1 year  •  Median salary: $47,620

Be a Civil Engineering Technician
Start-to-finish: 2 years  •  Median salary: $44,900

Be a Truck Driver
Start-to-finish: 8 weeks  •  Median salary: $38,200

BE WHO YOU WANT TO BE.

GREAT SEAPORT CAREERS ARE ALREADY HERE AND MORE ARE COMING…
WE’LL HELP YOU NAVIGATE.

Right now, communities up and down the Eastern Seaboard are spending billions to create what we already have.

Deep harbors and technologically advanced seaports are ready to accommodate the flow of huge ships expected to sail through an expanded Panama Canal. Those ships will be a boon for our region’s shipping and ship repair industries. And that means jobs. Great jobs. Jobs that can be yours in two years or less.
Leverage Existing Programs at TCC: www.tccworkforce.org/maritime-transportation

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Hampton Roads Maritime Training Program

Welcome to TCC's Hampton Roads Maritime Training Program. This is one of the few programs in the region offering U.S. Coast Guard-approved courses for training and certification in many aspects of seamanship.

Download the Maritime Training Center FAQ Sheet HERE.

Contact Us

7000 College Drive
Suffolk, VA 23435
757-822-1234

The HRMTP offers courses in:

Operator of Uninspected Passenger Vessels (OUPV/Six Pack) License:
This course meets the Coast Guard requirement that certain individuals must successfully complete to obtain an OUPV License. If you satisfactorily complete this course you will be issued a certificate to present
Context: Ocean Activities off Virginia, 2013 and 2014
G&G and Avian Offshore Surveys Involve Wide Variety of Vessel Layouts
Metocean Instrumentation Deployments Also Involve Wide Variety of Vessel Layouts
Marine Mammal and LiDAR Aerial Surveys Involve Wide Variety of Aircraft
Candidate Shore-Side Facilities for Survey Support and Instrumentation Deployment

Legend:
- Vessel Traffic Separation Scheme, Navy Precautionary Area
- Potential Staging Areas for Large Components
- Unobstructed Sea Routes from Potential Staging Areas
- Shortest Sea Routes for Service Vessels
- Fixed/Lift Bridges
- State / Federal 3-nmi Boundary
- Virginia Wind Energy Area

Map showing locations such as Chesapeake Bay, Bayshore Concrete Products, Newport News Marine Terminal, and Norfolk Southern Lamberts Point.
Need for BOSS Training
Apparent from Several Perspectives

As Virginia and other Mid-Atlantic states embark on offshore wind site characterization activities, there will be growing exposure of non-mariners to the hazards of traveling and working on or over the ocean, on a wide variety of different vessels and aircraft.

Going to sea for any reason can be a hazardous undertaking. Professional mariners and aviators manage these risks through a lifetime of training and drills and by compliance with U.S. and international regulations. Such training and oversight is what makes them safer out there should things go wrong.

What about the passengers, observers, and scientists who travel with them? Boarding a boat or a helicopter and heading to sea is just as hazardous for passengers as it is for crew, and even more so if they lack the proper training and awareness.

Short course designed for non-mariners who may travel on or over water as a scientist, engineer or technician conducting offshore surveys, ocean research, or instrumentation deployment, or simply observing these activities as a project manager or project sponsor.
Continuing Education Credits and Certificate of Completion:

Hampton Roads Maritime Training Program, Tidewater Community College, Virginia Beach Campus

Day 1: 8am to 5pm – Classroom
The first day of training will cover basic vessel and aircraft safety, including passenger roles and responsibilities upon first boarding a vessel or aircraft, and during emergency events such as man overboard, power outage, fire, heavy weather, abandon ship and aircraft ditching. Students will learn about survival gear, distress communications and signaling, basic firefighting, cold water immersion, safety management, and rescue procedures, making them better prepared to identify and handle at-sea emergencies individually and as part of a team.

Day 2: 8am to 5pm – Pool
Students will enter the water and practice the donning and use of life jackets and immersion suits, righting and boarding a life raft, use of communication and signaling devices, and proper procedure for entering the water safely during abandon ship and aircraft ditching emergencies.

Day 3: 8am to 12pm – Vessel
Students will board a docked vessel and participate in demonstrations and hands on use of firefighting equipment, bridge communications, lifesaving and survival gear, participating in the same mock drills performed by professional mariners.

Instructor – Mario Vittone is a former U.S. Coast Guard helicopter rescue swimmer and accident investigator and now directs the maritime division of VLinc Corporation. He is a leading expert on immersion hypothermia, drowning, sea survival, and safety at sea. His writing has appeared in Yachting Magazine, The Washington Post, and Reader’s Digest. During his career he was awarded the Distinguished Flying Cross for extraordinary heroism, was named as the U.S. Coast Guard Enlisted Person of the Year, and received the Alex Haley Award for Journalism.
DAY ONE: Classroom Session

- Vessel Crew Manning and Organization
- Vessel Nomenclature / Vessel construction / Station Bills / Vessel Alarms
- Sun Safety, Hydration, Sea Sickness, Risk Management, Heavy Weather, Personal Safety, Slips/Trips/Falls, Man Overboard
- Fire Onboard (Types, Classes, Extinguishing Methods)
- Abandon Ship Procedures
- Primary Lifesaving Equipment (Lifeboats, Life rafts)
- Survival Equipment (Personal Flotation Device, Ring Buoys, Exposure Suits, Rescue Streamers, Mirrors, Flashlights, Flares, Smokes, EPIRBs, SARTs, Radios)
DAY TWO: Pool Session

- Don PFDs and Exposure Suits
- Procedures for Entering the Water from the Deck of a Vessel
- Deploying a Life Raft and Entering a Life Raft from the Water
- Righting an Overturned Life Raft
- Cold Water Survival, “10-1-1” and Circum-Rescue Collapse
- Aircraft Ditching and Underwater Egress Training
DAY TWO: Pool Session
DAY THREE: Vessel Session
DAY THREE: Vessel Session
Next Class: 21-23 May 2014

- To be staged from Virginia Beach campus of Tidewater Community College
- Incorporate lessons learned from December class
- DAY TWO pool session at City recreation center
- DAY THREE vessel session will include students practicing safe recovery to deck of “man overboard mannequin”
- Wednesday to Friday class gives out-of-town students opportunity to stay in Virginia Beach for Memorial Day weekend