



# SEAFARERS HARRY LUNDEBERG SCHOOL OF SEAMANSHIP



MARITIME TRAINING AND EDUCATION  
**2019** *Catalog* **2021**





# Seafarers Harry Lundeberg School of Seamanship



## 2019 / 2021 CATALOG

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Seafarers Harry Lundeberg School of  
Seamanship is an equal opportunity  
educational institution.

*Paul Hall Center for Maritime Training and Education*

*Seafarers Harry Lundeberg  
School of Seamanship*

*Paul Hall Library  
and Maritime Museum*

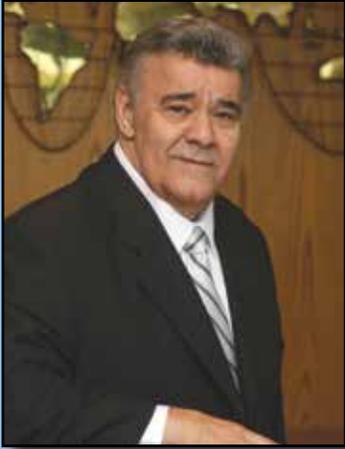
*Joseph Sacco Fire Fighting  
and Safety School*

*Thomas Crowley, Sr. Center  
for Maritime Services*

*Lindsay Williams Building/  
Bob McMillan Simulator Center*

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### *\*Top of the Class\**

Welcome to the Harry Lundeberg School of Seamanship—the largest training facility for deep sea merchant seafarers and inland waterway boatmen in the United States.

Founded in August 1967, the school is named in honor of Harry Lundeberg, the first president of the Seafarers International Union. During its early

days, the school focused primarily on providing training for a manpower pool to work aboard U.S. ships. It also served as a hub where mariners could go to hone their skills and keep them up to date.

Over the years, the school has undergone far-reaching transformation and boasts an amazing story of progress and growth. During that time, however, its basic mission has remained unchanged: to educate and deliver the world's best-trained, safest mariners.

So far, the school has accomplished its charge in impressive fashion. Enrollment is strong and the overwhelming majority of those who enter the institution successfully accomplish their goals. Tens of thousands of individuals have completed the school's entry-level training program; many have gone on to enjoy prosperous careers as merchant seamen. Well over 100,000 have enhanced their skills by returning to the school and participating in upgrading training programs.

Thousands of honorably discharged military veterans also have secured maritime jobs through the center, and

more than 1800 people have earned their GEDs while attending the school. The institution also offers college degrees in nautical science and marine engineering.

Situated on 60-plus picturesque acres of waterfront in Piney Point, Maryland, this world-class training facility includes the Joseph Sacco Firefighting and Safety School, the Thomas Crowley Sr. Center for Maritime Services, the Bob McMillan Simulator Annex and the Paul Hall Library and Maritime Museum. The school currently offers dozens of U.S. Coast Guard-approved courses that are taught by highly qualified and dedicated instructors. In addition to an impressive bevy of well-equipped multi-function classrooms, the school boasts numerous maritime simulators which enable instructors to conduct training on multiple maritime platforms. Those simulators were installed in 2015 as part of a multi-million-dollar renovation.

The school is a joint trust between the Seafarers International Union, Atlantic, Gulf, Lakes and Inland Waters and its contracted employers. The school is funded and maintained through joint contributions of signatory employers. Jointly appointed trustees then manage the contributions to most effectively operate the school.

Outlined in the following pages are descriptions of the courses as well as other information on what prospective students can encounter as they embark on meaningful professions in the maritime industry. I trust that you will be excited about what you read and that you will allow the school to assist you in navigating your career path.

Michael Sacco

A handwritten signature in blue ink that reads "Michael Sacco". The signature is fluid and cursive, with a large initial "M".

President  
Seafarers International Union



## HISTORY OF THE LUNDEBERG SCHOOL

**T**he Harry Lundeberg School of Seamanship is the largest training facility for deep-sea merchant seafarers and inland waterways mariners in the United States. The school has developed a pioneering approach to education that has successfully integrated vocational training, academic enrichment and trade union responsibility.

Named for Harry Lundeberg (1915-1959), the first President of the Seafarers International Union, the School is the product of a unique cooperative effort between the Seafarers International Union of North America and its contracted shipping companies. The School includes the Joseph Sacco Fire Fighting and Safety School, the Thomas B. Crowley Sr. School for Maritime Services, the Bob McMillan Simulator Center, and the Paul Hall Library and Maritime Museum. The School is committed to providing the nation's maritime industry with skilled, physically fit and responsible deep-sea seafarers and inland waterways mariners.

The School believes that the men and women who choose careers as professional mariners must be provided with the knowledge and skills to keep pace with technological advances within their industries. As a result, the

School has developed a total program for professional advancement as a U.S. Merchant Mariner. This program focuses on three key areas:

1. Providing men and women who have no maritime experience with the basic skills they will need to serve aboard U.S. flag ships or tugs and towboats;
2. Providing professional advancement for experienced mariners through career upgrading programs; and
3. Providing the academic education which is an essential complement to the modern technical skills needed in today's water transport industries.

Since its founding, the School has provided careers for an entire generation of men and women and, at the same time, provided trained and qualified manpower aboard America's merchant vessels whenever and where ever needed to ensure that vital cargo is moved safely and on time.

Originally, the Seafarers International Union maintained training facilities in five ports throughout the country. As the programs expanded to meet the challenges of



advancing technology, it became necessary to centralize the training activities. Thus, in 1966, the present site in Piney Point, Maryland was acquired to house the Seafarers Harry Lundeberg School of Seamanship.

By bringing together highly qualified educators in the specialized field of maritime training, centralization made possible the rapid expansion of the School's vocational programs. As vocational education became more advanced and specialized, the need for academic skills to master highly technical instructional manuals became evident. To meet that need, a reading skills program was established in 1970. The program proved to be a highly successful complement to vocational training. Today, a complete high school equivalency program (GED) is offered as well as an adult basic education program, study skills and ESL assistance.

In 1972, the Seafarers International Union recognized the need for trained personnel aboard the tugs, towboats and barges of the inland and coastal waterways. Again, the School responded to this need, and today, basic vocational training and upgrading programs in all licensed and unlicensed ratings are available to America's professional inland boatmen.

In 1978, the Seafarers Harry Lundeberg School of Seamanship entered into a contractual agreement with Charles County Community College of Maryland. This agreement made it possible for students to take college-level courses offered by Charles County Community College at the Seafarers Harry Lundeberg School of Seamanship and earn an Associate of Arts degree. Seven years later, the School developed its own Associate of Applied Science degree programs in Nautical Science Technology and Marine Engineering Technology. These programs received full approval from the Maryland Higher Education Commission that same year.

The School continued to expand. In 1981, the Paul Hall Library and Maritime Museum was dedicated. Since opening, it has become one of the best sources for maritime labor and history research in the United States.

In 1984, the Seafarers Training and Recreation School was completed, adding a new conference school and 300 modern hotel style rooms and dormitories.

In 1985, the School undertook new programs for training crews for Military Sealift Command-contracted ships. This program has answered the Navy's need for trained Seafarers to operate these special classes of ships. Included in the courses approved by the Military Sealift Command are damage control; material handling; underway replenishment; cargo handling; chemical, biological and radiological defense; marine environmental awareness; and Level I anti-terrorism/personal protection.

Also in 1985, the School began its long association with the American Council on Education (ACE). Over the years, this prestigious educational organization has reviewed and recommended vocational courses for comparative college credit, providing seafarers with the opportunity to transfer course credit to other institutions of higher learning.

A multi-function bridge deep-sea and inland simulator system was constructed in 1985. It had a full range of instructional, maritime research and developmental capabilities. The full-size, main bridge mock-up was correlated to a 180-degree beam-to-beam field of view as well as a 35 degree stern view. The main bridge contained appropriate bridge controls, electronic navigation equipment, collision avoidance radar and bridge-to-bridge communication equipment. Additionally, three independently maneuvered auxiliary bridges allowed for interaction between the main bridge and traffic vessels. This simulator would remain in place until the turn of the century.

In response to the demands for continued enhancement of maritime education, the School added two specialized programs to the curriculum in 1991. The first was based on the requirements of the Oil Pollution Act of 1990; an oil spill emergency containment and cleanup course was created. Secondly, an entirely new electronics lab was set up to accommodate students for a marine electronics technician program. This course helped prepare students who wish to sit for their Federal Communications Commission (FCC) license exam.

During the late 1990s, the School recognized the need to upgrade its technology and provide opportunities for students to learn and use personal computers. Additional computer equipment was purchased for the lab in the Academic Department. Computers are now installed in the library for student use for both personal and instructional purposes. The computer lab is now being used in to teach Microsoft Windows programs, develop inventory and menu programs for Steward Department personnel, teach Navigation Rules, and assist in the training of other vocational skills.

In 2000 a new dormitory consisting of 100 additional single occupancy rooms for upgraders was constructed at the School.

The School constructed and opened the state-of-the-art Joseph Sacco Fire Fighting and Safety School in 1999. Instructors from the school also are also traveling to provide training for crews aboard vessels throughout the U.S. A small arms range was added to the Joseph Sacco Fire Fighting School which allows for weapons qualification and recertification for MSC maritime personnel.



In 2015, the School upgraded and installed multifunction classrooms and simulators which provide enhanced training opportunities for both the deck and engine departments. With the installation, the School is capable of satisfying national and international training requirements currently and into the future.

The School's training ship, the M/V Freedom Star was acquired in the fall of 2015. This vessel is on loan from the U.S. Maritime Administration. Before being redesigned to serve as a training vessel for seafarers, the M/V Freedom Star served as a recovery vessel for the National Aeronautics and Space Administration (NASA), retrieving solid rocket boosters following space shuttle launches.

Propelled by two combined 2,900 horsepower diesel engines, the 176-foot long, Freedom Star has a 6,000 mile range and a maximum speed of 15 knots.

In the fall of 2016, the School entered into an agreement with the College of Southern Maryland (CSM) to establish a new college degree program. Through this cooperative effort, students will have a new opportunity to earn an Associate of Applied Science degree in Maritime Operations Technology. This new, fully accredited program will replace the current PHC college program and will offer concentrations in Marine Engineering and Nautical Science. Courses are planned to start in early 2019.



professional staff ensures that all new training meets the requirements of the United States Coast Guard and the Standards of Training, Certification and Watchkeeping. This assures that all students receive the most up to date and highest quality training.

These continuing changes and instructional improvements demonstrate the commitment of the School to develop and maintain a highly trained, current and professional work force for the maritime industry.

## MISSION

The mission of the Harry Lundeberg School of Seamanship is to provide professional training to students who are just entering their maritime career and to eligible seafarers who are employed by SIU-contracted employers who wish to improve or upgrade their seafaring skills. Through this training, upgrading, and retraining, students are well prepared to work safely, capably, and effectively aboard U.S. merchant vessels.

## GOALS

1. To deliver vocational and academic education through programs, which are uniquely flexible and well suited to the lifestyles of seafarers.
2. To instill in seafarers a pride in their occupation, a professionalism in their job performance, and a desire to continually improve their maritime skills and vocational and academic educational levels.
3. To provide the deep sea and inland waterways maritime industry with skilled, knowledgeable, and responsible seafarers.
4. To give full and complete effect to the new training and assessment requirements of the amended Standards of Training, Certification and Watchkeeping (STCW).
5. To provide students with both the theoretical background and practical application of job skills necessary for work aboard today's merchant vessels.
6. To provide the vocational and academic education, skills and knowledge base that are an essential foundation for the modern technical skills required in today's water transportation industry.
7. To make available opportunities for seafarers to complete the GED program at the high school level or complete a two-year college program in an Associate of Applied Science degree (Nautical Science or Marine Engineering Technology).

The School remains an active participant in national and international initiatives to improve the quality of life and training of the world's seafarers. Members of the staff participate in important meetings with other maritime unions, the United States Coast Guard, and the International Maritime Organization. Other maritime organizations, recognizing the quality of the programs have taken advantage of the training and facilities offered at Piney Point.

New courses are constantly being developed by the Curriculum Development (CD) department at the School to meet the training needs of our seafarers, as well as those of our industry partners. CDs knowledgeable and



### Simulation

The training of men and women for jobs on privately owned, American-flagged ships and boats takes place through two vocational education programs offered at SHLSS: the Unlicensed Apprentice Program, for those starting out in the maritime field; and the Upgrading program, a continuing education program for those who have sailed and wish to increase and upgrade their training and job skills.

Recognizing the importance of simulation, the School installed a new Full Mission Ship Bridge, Full Mission Engine Room and 2 Full Mission Tug Boat Bridges. The Full Mission Simulation can simulate different types of vessels and utilizes the latest technology, including touchscreens for versatility in creating vessel bridge and engine room configurations. The new state of the art

simulators make it possible to provide the highest quality training that technology allows.

The Lindsey Williams Building houses all of the Full Mission Simulators as well as the Radar/ARPA, ECDIS and GMDSS Labs, 3 Part Task Bridges, and 2 debrief areas.

The Drozak Building is home to the GlobalSim Liebherr and Hagglund crane simulators.

The Logan building contains a part task engine room simulation lab, which offers realistic machinery and systems simulation exercises, to allow the acquisition of skills. The Liquid Cargo Lab is also located in this building and is interchangeable with the engine room lab. There is a newly updated PLC Lab with advanced trainers available. The PLC Lab creates a foundation of basic skills and knowledge necessary to work with PLC control software



found on board, to the use of advanced level trainers for a "hands-on training" experience.

The simulation suite installed in all three buildings is customizable and has the ability to interconnect deck and engine with certain ship models. This allows for training possibilities to be endless. These advanced systems provide students with the opportunity to experience realistic situations, from the support level to the management level of training.

## Computer Lab

The computer lab is located in the library. It is staffed by a computer instructor who teaches Microsoft Word and Excel to students taking classes at SHLSS. Various programs and tutorials are available for student and staff use in the Windows environment. Seafarers may schedule computer classes through the Admissions Office and several SHLSS vocational courses have computer instruction as part of the curriculum. The computer lab is open 8:30–5:00 p.m. Monday through Friday with the exception of holidays.

## Health Care

A health care facility is available at the school. It consists of a dispensary staffed by a registered nurse. Emergency medical care is available at all times at a nearby hospital-medical facilities and urgent care center.

## Recreation

Recreational facilities are available to students during their free time. Swimming, basketball, pool, arts and crafts and fishing are some of the possible activities. A playground and outdoor fitness equipment are available.

## Health Spa

The Health Spa is a modern facility equipped with Nautilus, free weights, and universal machines. The programs are designed to meet the needs of students of all ages. The spa is also equipped with aerobic machines, sauna, steam room, and an outdoor Olympic-sized swimming pool.

## Arts and Crafts

The Arts and Crafts Shop is a recreational and educational facility. A fully equipped shop with a professional instructor is maintained for the purpose of training in the areas of silver-smithing, woodworking, stained glass, wood burning, leather, painting, drawing, and enameling as well as other creative arts. Lectures and discussions are conducted with emphasis on planning for leisure time activities aboard ship.

## Sea Chest

The Sea Chest shop is open to students for the purchase of personal items, clothing, snacks, and souvenirs.

## Laundry

Laundry services are available to all trainees free of charge. Coin-operated washers and dryers are available for upgraders and guests.

### Class Schedule

Each student, regardless of the program, must attend classes during scheduled hours. Students who are ill must see the School's nurse to be excused from class. Students must attend 90% of USCG approved training course.

### Religious Services

Transportation is provided to all students who wish to attend religious services.

### ACE College Credit Recommendations

The American Council on Education's College Credit Recommendation Service (ACE CREDIT®) has evaluated and recommended college credit for 24 courses offered by Seafarers Harry Lundeberg School of Seamanship. ACE, the major coordinating body for all the nation's higher education institutions, seeks to provide leadership and a unifying voice on key higher education issues and to influence public policy through advocacy, research, and program initiatives. ACE CREDIT helps adults gain academic credit for courses and examinations taken outside traditional degree programs.

All course credits are computed on a semester-hour credit system with a typical course meeting for fifteen (15), fifty (50) minute classroom sessions to equal one (1) credit. Laboratory credit hours are computed based on thirty (30), fifty-(50) minute sessions equaling one (1) credit. ACE will periodically re-evaluate courses for credit; therefore, specific credit count may vary as to the date a course was taken. Students must consult the National Guide to College Credit for Workforce Training published by the American Council on Education to determine the recommended credits assigned [www.acenet.edu/nationalguide](http://www.acenet.edu/nationalguide). The School's catalog specifies the most recently approved credit count. Students wishing to transfer vocational credits to another community college or four-year college must consult with a counselor at the receiving school. Each school reserves the right to determine the



courses and credits which may be transferred. More than 2,000 colleges and universities consider ACE CREDIT recommendations in determining the applicability of coursework and examination results to their courses and degree programs. For 40 years, colleges and universities have trusted ACE CREDIT to provide reliable course equivalency information to facilitate their decisions to award academic credit. For more information, visit the ACE CREDIT website at [www.acenet.edu/credit](http://www.acenet.edu/credit).

### Department of Labor Apprentices Program

The school joined with the U.S. Department of Labor (DOL) in the development of an apprentice program for training men and women for the maritime industry in 2003. This program includes apprentice training for the occupations of Fireman, Oiler and Watertender, Able Seafarer- Deck, and Chief Cook; thereby covering all three trades within the Union. The apprentice program is a competency based training program that meets the DOL Certification requirements.

This apprentice program created by the cooperative efforts of the U.S. Department of Labor and the SIU advances the shared goal of increasing the number of highly trained skilled American Seamen.

### Examination and Retests:

SHLSS uses a random test generator to prepare exams and retests. This system is capable of generating a retest without repeating questions and all retests will be generated in this manner. Students who fail a written exam may retest once.

Retests are generally held on the Monday following the exam. If Monday is a holiday, the exam will be on the next business day. Other retest arrangements may be made as directed by the Director of Vocational Training and Education. Both grades from the test and retest will be recorded in the Seafarers Management Information System (SMIS) database. Students who fail the retest must take the course again in its entirety and pass all exams/ assessments required by the course in order to receive a SHLSS certificate.

### Assessments and Re-Evaluations:

All practical assessments will be documented by the course instructor in the Seafarers Management Information System (SMIS) under course attendance/evaluation/review. The instructor will input pass/fail into the system. Students receiving a PASS do not require a comment. For each FAIL a



comment must be made documenting what assessment was failed and why. Students who fail a practical assessment are permitted to be reassessed one time. Failures must be reported to Director of Vocational Education immediately so a reassessment can be scheduled. The repeat assessment will be administered by a different qualified instructor who is approved to teach the course. The instructor will fill out a new assessment sheet or checklist for the student and will only mark the repeat assessment. The result will be documented in SMIS by inputting a PASS/FAIL into the system. Students receiving a PASS do not require a comment. For each FAIL a comment must be made documenting which assessment was failed and why. If the repeat assessment is failed, the student will be considered to have failed the course. The student must then reenroll to take the course at another time. The instructor must notify the Director of Vocational Training and Education and Curriculum Development Office immediately. All assessments must be passed prior to the student taking the final exam. Completed assessments are turned into Staff Support prior to examination.

## **Certification and Licensing**

For upgraders, the passing of the U.S. Coast Guard examination for a Coast Guard endorsement in their subject area marks the completion of their training program. Upgraders in the special and non-endorsement programs complete their programs when they have met the requirements established by the Center and/or passed the school-administered certification examination. Certificates of achievement

are awarded to all students who successfully complete a course of instruction at the school.

## **Learning Assistance**

Students who score higher than eighth grade on TABE who find themselves struggling with course material may request vocational tutoring from the Academic Department with the approval of the course instructor. The final approval for assignment to academic tutoring is made by the Assistant Vice President and the Director of Vocational Training and Education.

## **Academic Honesty**

While at the school, students are required to do their own work. Any assistance from another student or the use of unauthorized aids on quizzes and tests is grounds for dismissal from the School.

## **Upgraders' Review Board**

The school has established an Upgrader Review Board to provide seafarers with academic counseling when they are not meeting the minimum requirements for the course in which they are enrolled. The review board is a non-disciplinary committee that will ensure the student is advised of remedial assistance, basic vocational support, peer tutoring, and any other vocational or academic assistance activity that will provide the instructional tools needed to succeed.



### **Building Skills for the Future**

Vocational education is the key to success in the maritime career path. Seafarers of the past learned job skills at sea, a slow process of learning by hard knocks.

Today the Harry Lundeberg School teaches specialized skills for jobs in the deck, engine and steward departments. The curricula are constantly updated to keep abreast of changing maritime technology and new national and international regulatory requirements. Clearly, today's modern automated vessel, which costs millions of dollars, cannot be entrusted to an unskilled, non-professional. Working aboard a modern vessel is a profession for the well trained mariner.

Professional training begins with basic or entry-level vocational education programs. The Unlicensed Apprentice Program provides the knowledge, skills, and work ethic necessary for people to safely and proficiently perform their assigned duties aboard ships, tugs and towboats.

The continuing education upgrading programs provide experienced seafarers, who have the necessary required sea-time, the opportunity to advance their professional skills, keep pace with changes in the maritime industry and increase their earning potential. The course offerings in the upgrading programs include unlicensed and licensed ratings in the deck and engine departments to build professional competence in the most highly skilled seafarers in the world. Admission to the school, however, does not guarantee placement in a particular position.

# ENTRY LEVEL UNLICENSED APPRENTICE (UA) PROGRAM

Professional training begins with basic or entry-level vocational education programs.

The purpose of the Unlicensed Apprentice (UA) Program is to train, guide and encourage men and women to make careers for themselves on the world's oceans or on America's network of coastal and inland waterways.

The UA Program is recommended for individuals who wish to seek employment through the hiring halls affiliated with the Seafarers International Union. The school's philosophy is that every new person coming into the maritime industry needs certain basic skills and knowledge before he or she embarks on more specific career training in one of the three departments: deck, engine or steward.

The Unlicensed Apprentice Program consists of five phases of instruction: (1) a sixteen-week vocational curriculum focusing on maritime organization, basic seamanship, emergency action and social responsibility; (2) twelve weeks of shipboard training focusing on ship operations and maintenance. The student serves in each of the different departments and is required to complete a Sea Project in each department; and (3) specialized department-specific training based on the department choice of the Unlicensed Apprentice. Successful completion of the program qualifies the student to ship entry level in the deck, engine, or steward department. During Phase 4, Unlicensed Apprentices serve for four months aboard U.S. flagged vessels in a paid position as a member of the crew. During Phase 5, Unlicensed Apprentices return to SHLSS for advanced resident training to earn their ratings as Able Seafarer-Deck, Able Seafarer-Engine, or Certified Chief Cook.

If a student does not have a high school diploma or GED, they are provided an opportunity to earn a Maryland High School diploma while enrolled at the school.

The Unlicensed Apprentice Program is conducted in a quasi-military environment. Students are required to wear uniforms, adhere to military-style grooming standards, live in group dormitories and march to and from class. Students are not permitted to have cars or leave the campus. This environment serves to develop a strong sense of teamwork and discipline necessary to work as part of a crew aboard ship.

Emphasis is placed on the academic-vocational programs and the completion of all Coast Guard requirements. Students must successfully complete all course in the program. Failure in any course will result in dismissal from the Unlicensed Apprentice program.

Apprentices are expected to obey all rules and regulations on standards of dress and conduct. Each student reads and signs a copy of the rules

and regulations when they arrive at the school. Any infraction of School rules and regulations is cause for disciplinary action. This is addressed through the Apprentice Review Board. The Apprentice Review Board is comprised of a union representative, Director of Education or designee, two staff members, chief boatswain and student council president. The review board can take action ranging from dismissal of charges to dropping the individual from training.

## Admissions Requirements and Procedures

Students must fulfill the following requirements in order to be accepted into the program. All applicants must:

1. Comply with the physical fitness standards for merchant mariners, as determined by the Seafarers Health and Benefits Plan;
2. Be at least 18 years of age;
3. Meet all U.S. Coast Guard-established criteria for the issuance of a Merchant Mariner's Credential as well as any other U.S. government requirements for merchant mariners;
4. Pass a drug screening; and
5. Not be on any form of court-ordered probation or parole.
6. Certified to be in good oral health by a qualified dentist.
7. Potential students must hold a Transportation Workers Identification Card (TWIC) issued by the Transportation Security Administration (TSA).

## How to Apply

Prospective students may apply on line through the School's website:

<http://www.seafarers.org/jobs/ua.html>

Applications are reviewed and evaluated by the Selection Committee. If an application is accepted, the prospective student will be notified of the start date of the training program.

Additional information regarding the program may be obtained by calling toll-free 1-800-235-3275, or 301-994-0010 extension 5342, or email the Admissions Office at [Admissions@seafarers.org](mailto:Admissions@seafarers.org).

## Student Fee Policy

SHLSS does not charge tuition.

Unlicensed Apprentices (UAs) are charged a uniform fee which is payable prior to arriving at the school. Uniforms are issued on the second day after arrival. Should a student decide to leave the school prior to the issuance of uniforms, the full fee will be refunded. If a student decides to leave the school after the uniforms are issued, there is no refund, and the student may keep the uniforms.

UAs receive a weekly stipend, which is deposited into their account. This is used to cover the cost of incidentals and sundries which can be purchased from the Sea Chest campus store.

## Other Student Costs

Students are responsible for the costs associated with obtaining required documentation including a physical examination, U.S. Coast Guard Merchant Mariner Credential and Transportation Worker Security Card (TWIC). They must also pay for their transportation to the school.

## Policy Regarding Requests for Learning Accommodations

The Seafarers Harry Lundeberg School of Seamanship sets and maintains the standards for admitting students and evaluating their progress. Pursuant to Title I of the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments Act of 2008 (ADAA) and any relevant state law, the Seafarers Harry Lundeberg School of Seamanship will consider requests for reasonable accommodations from qualified students with learning disabilities.

Accommodations are subject to the United States Coast Guard regulations governing training and education and physical fitness of merchant mariners.

Requests are considered on a case by case basis. All applicants must be able to perform the essential functions of a merchant mariner with or without reasonable accommodation. An accommodation is not considered reasonable if it would create an undue hardship to the School because it would be extremely expensive or difficult to implement, or if it would fundamentally alter the training program.

To receive accommodations for a learning disability a student must provide documentation of the need for accommodation at least 30 days prior to arrival at the Seafarers Harry Lundeberg School of Seamanship. The evaluation should be less than two years old to demonstrate the current impact of the disability and to identify appropriate accommodations for merchant mariner training. Documentation should be in the form of a psycho-educational or neuropsychological evaluation conducted by a licensed or certified psychologist, educational diagnostician or other relevant professional with training and experience in identifying and diagnosing learning disabilities on professional letterhead and signed.

The School reserves the right to request additional information or evaluation. Your written permission will be required to release information to the School. The School will maintain the confidentiality of your request for accommodation and supporting documentation, unless you give the School permission to release this information.

## Job Placement

Upon completion of Phase 3 training, all UAs will be assigned to a full time paid position on a union-contracted, U.S. flagged commercial vessel. Assignments are made by the Piney Point SIU hiring hall. After completing the entire UA Program, (Phases 1-5) the graduates will receive their union probationary seniority and upgraded credential and will be eligible to ship from any SIU hiring hall.



# Unlicensed Apprentice Phases

## Phase 1

During Phase 1, students receive 16 weeks of resident training at the SHLSS. These courses provide fundamental maritime knowledge and safety skills required for a merchant mariner. Detailed course descriptions follow.

## Phase 2

In Phase 2 the unlicensed apprentices spend 12 weeks aboard a vessel contracted with the SIU as a student observer. During these weeks at sea, the students spend 30 days in each shipboard department (deck, engine, and steward). This experience provides hand-on experience learning the skills and knowledge introduced to them during the Phase I training.

Phase II provides the students with the opportunity to determine their personal interest and their area of specialization when they return to study at the School.

Students must complete a Sea Project which requires collecting information from each department aboard the ship.

## Phase 3

During Phase 3 students return to SHLSS for advanced formal training. First, students begin their training with Tanker Familiarization and Government Vessels, followed by their specialty courses in either Ratings Forming Part of the Navigational Watch (RFPNW) for deck department, Basic Auxiliary Plant Operations (BAPO) for the engine department, or Galley Operations for the steward department.

## Phase 4

During Phase 4, students serve in a paid position aboard an SIU-contracted U.S. flagged commercial vessel for at least 120 days. Here, they will gain hands-on experience and earn sea time by working in their selected shipboard department.

## Phase 5

In Phase 5, deck and engine students will return to the SHLSS for 4 weeks of advanced specialty training. Deck students will complete the 4 week Able Seafarer—Deck course, Engine Department students will complete the 4 week FOWT / Able Seafarer—Engine course, and Steward Department students will complete the 12 week Certified Chief Cook course. Upon successful completion of Phase 5, students will receive their specialty rating and their probationary union seniority, which will allow them to register and ship from any SIU union hall.





## Unlicensed Apprentice Training Phase I

### Course Descriptions:

#### Galley Familiarization

##### 1 Credit

This course provides awareness and familiarization with galley equipment and utensils in preparation for shipboard operations in the steward department. This course is in the Unlicensed Apprentice Program.

**Length of Course: 226 Hours**

#### Basic Firefighting

SHLSOS – 57

##### 2 Credits

The object of this course is to familiarize the student with chemical process of fire, its behavior and the various methods and equipment used to combat it. It meets the requirements of STCW, Table A-VI/1-2, 46 CFR 10.205 (1) (2), 46CFR 10.205 (g) and CFR requirements for firefighting-tankerman. The curriculum includes the theory of fire, fire prevention, heat transfer, types and sources of ignition, spread of fire, classification of fire, fire detection systems, fire extinguishing agents and methods, and fire extinguishing systems. Instruction also including firefighting tools, personal equipment, breathing apparatus, organization of the fire parties, and emergency procedures. A moderate amount of physical exertion is required during this course. Instruction is held at the Joseph Sacco Firefighting and Safety School.

**Length of Course: 35 Hours**

#### First Aid and Cardio-Pulmonary Resuscitation (CPR)

##### HTS 103

##### 1 Credit

SHLSOS – 197

The object of the First Aid and Cardio-Pulmonary Resuscitation course is to provide students with general understanding and basic knowledge of the immediate actions required when encountering an accident or medical emergency. Those satisfactorily completing the course and examination are awarded the American Safety and Health Institute First Aid and Cardio-Pulmonary Resuscitation (CPR) Certificate.

Topics covered in the course include responding to an emergency, emergency planning, breathing emergencies, heart attacks, adult CPR and first aid. This course meets CFR and STCW standards for elementary first aid as set forth in Table A-VI/1-3.

**Length of Course: 21 Hours**

#### Industrial Relations I

Industrial relations provides UA students with the basic understanding of the structure of the SIU, the benefits provided to its members, the role and responsibilities of its members, and the political activities and contributions of the labor movements in the United States.

Students study the early years of the labor movement, history of the SIU, SIU organization and structure, constitution, benefit plans, contract and negotiations, legislative, and political activities.

**Length of Course: 20 Hours**

## Water Survival

SHLSOS – 549

**2 Credits**

Water Survival is a 10-day course that provides the knowledge and skills for water survival, including launch, use and recovery of survival craft, the proper use of survival equipment and procedures necessary to take charge of the maintain a survival craft and protect embark personnel. This course satisfies the training requirements of STCW, Table A-VI/2-1 and 46 CFR 12.407(b)(3) and 12.409(a)(5) when required sea-time is met. A moderate amount of physical exertion is required during this course.

**Length of Course: 66 Hours**

## Vessel Familiarization

SHLSOS – 540

**2 Credits**

The Vessel Familiarization course provides students with the required knowledge, understanding, and skills for the entry-level ordinary seaman, wiper, and steward assistant. The course emphasizes shipboard and industry organization, safety, departmental responsibilities, basic seamanship, and vessel familiarization.

Topics in the course include the shipping industry, basic seamanship, shipboard organization, personal safety and responsibility, vessel operations and maintenance, and emergency and disaster planning. Meets regulations of 46 CFR 15.1105(a) and Regulations I/1 and VIII/1 of STCW.

**Length of Course: 61 Hours**

## Vessel Operations and Maintenance

SHLSOS – 732

**2 Credits**

The Vessel Maintenance and Operations module is a part of the UA Program. The objectives of the course are to provide the knowledge and skills required for the entry-level ordinary seaman, wiper or steward assistant. In this module, emphasis is placed on vessel safety, basic marlinespike seamanship, basic deck operations and maintenance, tools and equipment, basic engine operation and maintenance, fueling operations, painting and coating, and bridge operations and watchkeeping.

**Length of Course: 140 Hours**

## Physical Education

**1 Credit**

*PED 1011 Physical Education  
or Exercise and Nutrition*

Physical Education for UAs prepares students for the physically demanding work environment aboard ship. It emphasizes calisthenics, cardiovascular and strength training, nutrition, training safety, and personal performance improvements.

**Length of Course: 30 Hours**

## Social Responsibilities

SHLSOS – 465

**1 Credit**

The Social Responsibilities unit, when combined with Vessel Familiarization, meets the requirement of STCW, Table A-VI/1-4. The course includes an understanding of human relationships, social skills necessary for living and working on board ships, and issues involving international travel. Topics in this course include “Right to Know,” addictive substances, sexual harassment, health risk awareness, shipboard life, communication, groups and group interactions, effective behavior, stress management, conflict and conflict resolution, problem solving, social behavior, personal finances and international travel.

**Length of Course: 25 Hours**

# CONTINUING EDUCATION – UPGRADING TRAINING



The upgrading programs at SHLSS are offered to mariners who wish to receive training to upgrade or improve their job skills. This continuing education training provides seafarers with the credentials and job skills they need to move up to a higher paying, more responsible position on board ships and tugs. The upgrading programs are divided into three departments: deck, engine, and steward, to match the job departments on ships, boats, and tugs. Vocational classes stress both the theoretical and practical aspects of job training. Students receive classroom instruction and on-the-job training aboard the school's vessels, in the vocational training shops, classrooms, and in the galleys.

## Application and General Admission Requirements to Upgrading Programs

Upgrading application forms and current course schedules are published monthly in the official SIU newspaper, the Seafarers LOG. Application forms may also be obtained at each SIU hiring hall, or online at [www.seafarers.org](http://www.seafarers.org).

Applications for upgrading classes are accepted at any time. All applications are received by the Admissions Office, and the applicant, if qualified for the course, is contacted and advised when to report for training.

In order to be accepted into an upgrading program, the applicant must meet the following requirements.

### General Admission Requirements:

1. Possess a valid Merchant Mariner Credential
2. Meet all Coast Guard requirements, if applicable and;
3. Have a current SIU medical exam valid through the starting date of the class.
4. Have earned 125 days of seetime in the previous calendar year on an SIU contracted vessel.
5. If the course includes a U.S. Coast Guard exam, students must have drug screen results that are valid through end of course, or must satisfy Coast Guard random testing requirements.

## Student Life

While enrolled at the SHLSS, upgraders live in the Seafarers Training and Recreation Center. They are free to come and go from the school grounds when they are not in class. Upgraders have many School facilities available to them during their free time and are allowed to have a car while enrolled at the School.

## Costs

There is no tuition for seafarers attending upgrading classes. Room and board are provided free of charge. Students who successfully complete their courses are reimbursed for their travel expenses in accordance with School policy. However, travel expenses for some courses may not be reimbursable. In order to receive the reimbursement, students must present all of their original travel receipts. Specific travel reimbursement information is available at the Admissions Office.

## RULES AND REGULATIONS

ALL upgraders attending the Seafarers Harry Lundeberg School of Seamanship must abide by the following rules and regulations while on base:

1. Classes begin at 0800 **SHARP**. Students upgrading in the Steward Department must report to their on-the-job (OJT) training at the time established in their weekly work schedule.



school for damage from smoking in a hotel room will be billed to the student.

2. Upgraders are expected to attend **ALL** classes or OJT unless excused by the Director of Vocational. After one unexcused absence, you will be subject to dismissal from the school. Absenteeism and lateness cannot and will not be tolerated. Your instructor must know your whereabouts during all classroom or practical hours. Missing more than 10% of any class is cause for immediate dismissal.
3. Coffee is available in the lounge areas of the Charles Logan, Paul Drozak and Simulator buildings. Drinking and eating is restricted to the lounges or outside only and is not permitted in the classrooms or hallways.
4. Smoking is restricted to outside or designated smoking areas. There is no smoking in the classrooms, hallways, offices or hotel rooms. Any expenses accrued by the
5. Proper dress is to be maintained at all times. Sleeveless shirts, cut-off shorts, bathing shoes, and shower clogs will not be permitted. Casual sports dress may be worn in the recreational areas. Not hats or hoods should be worn inside the buildings or classrooms.
6. All study material must be kept in good condition and returned to the book locker at the completion of your course. Upgraders will be charged for any textbooks not returned.
7. All library books must be kept in good condition and be returned to the Library before you leave the school. Upgraders will be charged for any books not returned.
8. Upgraders are not allowed in the Trainee Area except to visit the Nurse.
9. The Anchor Bar is open to upgraders and staff only. Alcohol is not permitted in any other area, at any time. Drinks purchased in the Anchor Bar are not to be removed from the bar area.
10. Photo ID badges must be worn at all times while on base and must be shown at the main gate prior to entering the base.
11. If the course you are taking does not have a corresponding Coast Guard endorsement, you will be required to pass an examination given by the Lundeborg School before a certificate of successful completion will be awarded.
12. Certificates from the school will be awarded only after successfully completing and passing all required exams.
13. The hotel parking lot is the **ONLY** authorized parking area for upgraders at any time. The school is **NOT** responsible for any damages to personal vehicles while on the school grounds.
14. Only authorized SHLSS vehicles are permitted beyond the hotel parking lot. At no time will an upgrader be permitted to use his/her vehicle to conduct personal business on or around school grounds.
15. Students are not permitted to bring guests on the base except on the designated visitor day (first Sunday of each month from 0900 till 1700) and must obtain permission from the hotel manager or Vice President of the school.
16. Students are not permitted to entertain guests in their hotel rooms or on the base.
17. Repair work on all automobiles in the parking lot, such as changing oil, etc. is not permitted.

18. Concealed weapons are **NOT** allowed on schools grounds at any time. The State of Maryland classifies a concealed weapon as follows: smooth bore firearm, rifled bore firearm, knife blade more than 2 ½ in length or num chaku, bow & arrows, or a pellet gun. In order to prevent any legal embarrassment, if you have any of the above mentioned items when checking in for an upgrading course, turn them into the Vice President’s office for safe-keeping and receipt until you leave, or send them home.
19. The illegal downloading of any copyrighted material while in your room or anywhere on the school premises may be grounds for immediate dismissal from the school.
20. To prevent injury or accident to any child, some of our policies regarding authorized areas are as follows: A) Authorized areas for children over the age of 12, unsupervised by parents, are: Arts & Crafts, Swimming Pool area (during lifeguard hours), and the Paul Hall Library. B) Parental supervision is required of all dependent children or children of guests in the Waterfront Marina, Academic Classrooms, Vocational Shops, Motor Pool, or any mechanical area. C) Spouses and children are not allowed at any time in the Academic Classrooms, Vocational Shop area, Motor Pool, or any mechanical area (unless authorized by the Vice President or Director of Vocational Education). D) Children under the age of 12 must be supervised by a parent or guardian at all times.
21. Only guest permitted to stay in your hotel room is your spouse. You must provide a valid marriage license upon arrival, to the front desk or valid state ID with the same home address. No other guests are permitted to stay in your hotel room or allowed on the premises while you are attending school.
22. Any infraction of the above rules will lead to your dismissal from the school by the review board and may, if serious enough, result in charges according to the “Shipping Rules 8-A discipline”:

#### 8. Discipline

A. Although under no indemnity obligation of any sort, the Union will not be required to ship persons who, by their behavior in the course of employment aboard contracted vessels, during programs of the Seafarers Harry Lundeberg School of Seamanship and at hiring halls subject to these shipping rules, demonstrate that their presence aboard contracted vessels, may prevent safe and efficient operations of such vessels, or create a danger or threat of liability, injury or harm to such vessel and their crews. Persons not

required to be shipped shall include without limitation those guilty of the following:

1. Drunkenness or alcoholism.
2. Use, possession or sale of any controlled substance as defined by the USCG

**\*\*\*NOTE: If such is suspected, the school shall have the right to require the individual involved to submit to drug testing. If the individual either refuses the testing or tests positive, the individual can be immediately dismissed from the school.\*\*\***

3. Use or possession of dangerous weapons or substances
4. Physical assault
5. Malicious destruction of property
6. Gross misconduct
7. Neglect of duties and responsibilities
8. Deliberate interference with efficient operation of vessels, of the Seafarers Harry Lundeberg School of Seamanship or of hiring halls subject to these rules
9. Deliberate failure or refusal to join vessels.
10. Any act or practice, which creates a menace or nuisance to the health or safety of others.

## Licensing and Certification

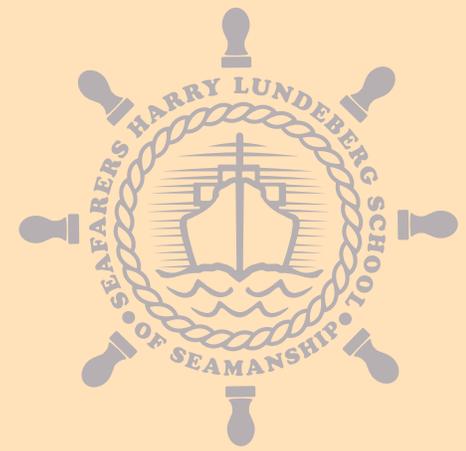
Licensing and certification are determined by the U.S. Coast Guard, and the Standards of Training, Certification and Watchkeeping (STCW) as amended. Courses at the Center are taught to meet the training requirements and knowledge content necessary to prepare an individual for examination for specific positions and/or certification. Since there are many requirements established by laws and regulations, individuals should plan their career paths to ensure that they have the proper credentials. Most licenses and certificates are based on job position, sea-time, gross tonnage of vessels, geographic operating area, recent service, type and horsepower of propulsion, and type of vessel.

Seafarers must be aware of any prerequisites, certification(s) and license(s) necessary to move to the next step or grade. Many courses require Coast Guard examination(s), a limited exam and/or previous certifications. This information may be found in the Code of Federal Regulations 46 CFR Part 10, 12 and 13; Title 46 of the U.S. Code, and the Standards for Training, Certification and Watchkeeping (STCW). Information also is available from the Coast Guard, union halls or the Admissions office at the Paul Hall Maritime Center.

## SHLSS COURSE LIST

Each course description includes the SHLSS course code, the U.S. Coast Guard course (SHLSOS) code, and American Council on Education (ACE) credit hour recommendations, where applicable.





## Deck Department

### UA to AS-D Program

SHLSOS-733

The Unlicensed Apprentice to Able Seafarer-Deck PROGRAM consists of a combination of five phases of resident training and sea service meeting the training requirements for an Able Seafarer-Deck endorsement. This program differs from the old UA program in that we have added new elements to the Ratings Forming Part of a Navigational Watch (RFPNW) course. See Able Seafarer-Deck course for more information.

### Able Seafarer-Deck

SHLSOS-731

**4 Credits**

#### **Length of Course: 120 hours**

Successful completion of this course will satisfy the training requirements of STCW Code Section A-II/5, Table A-II/5; and the competency requirements of 46 CFR 12.603(a)(4).

This course specifically addresses the competencies from NVIC 12-14 contribute to safe navigational watch; berthing, anchoring and other mooring operations; contribute to the handling of cargo and stores; contribute to the safe operation of deck equipment and machinery; apply occupational health and safety precautions; contribute to the prevention of pollution; and contribute to shipboard maintenance and repair.

#### **Prerequisites:**

**Must have 12 mos service as Rating Forming Part of a Navigational Watch (RFPNW), Lifeboatman and have 540 days sailing in the deck department**

### Advanced Meteorology

SHLSOS-18

#### **Length of Course: 40 hours**

Successful completion of this course will satisfy the Advanced meteorology training requirements of 46 CFR 11.305(a)(2)(iii) and 11.307(a)(2)(iii) for STCW certification as Master or Chief Mate on vessels of 500 or more gross tonnage (ITC); and the practical assessments will be accepted as the equivalent of the following tasks from Table A-II/2 of the STCW Code, as amended 2010 and NVIC 10-14(Ch-1) namely 7.1, 7.2, and 7.3.

This course provides training in marine weather forecasting including extra-tropical and tropical weather systems, wave motion theory, extreme weather phenomena, and the access and use of HF facsimile (including NWS FTP mail) weather charts for minimizing the destructive effects of weather on ship operations.

#### **Prerequisite:**

**Basic Meteorology**



## Advanced Shiphandling

SHLSOS-22

### **Length of Course: 80 hours**

This course will satisfy the Advanced Shiphandling training requirements of 46 CFR 11.305(a)(3)(i) and 11.307(a)(3)(i) for STCW endorsements as Chief Mate or Master on vessels of 3,000 GT or more and 46 CFR 11.311(a)(3)(i) and 11.313(a)(3)(i) for STCW Code, as amended 2010 endorsements as Master or Chief Mate on vessels of more than 500 GT and less than 3,000 GT; and the following practical assessments meet the National Assessment Guidelines from NVIC 10-14 and 11-14: 8.1.A, 8.2.A, 8.3.A, 8.4.A, 8.4.B, 8.5.A, 8.6.A, 8.7.A, 9.1.A, 9.2.A, 9.3.A, 9.4.A, 9.5.A, 9.6.A, 9.6.B, 9.7.A, 9.8.A, 9.9.A, 9.9.B, 9.11.A, 9.11.B, 9.11.C, 9.12.A, 9.13.A, 9.14.A, 9.15.A, 9.16.A, 9.16.B, and 9.17.A.

### **Prerequisite:**

Meet eligibility requirements for Management level license

## Advanced Stability

SHLSOS-25

### **Length of Course: 35 hours**

This course satisfies the training requirements of 46 CFR 11.305(a)(3)(ii) and 11.307(a)(3)(ii) for STCW endorsements as Chief Mate or Master on vessel of 3000 GT or more and 46 CFR 11.311(a)(3)(ii) and 11.313(a)(3)(ii) for STCW endorsements as Master or Chief Mate on vessel of more than 500 GT but less than 3000 GT; AND the specific tasks from the National Assessment Guidelines found in NVIC 10-14 and 11-14: 9.10.A, 9.16.B, 11.1.B, 11.2.A, 11.3.A, 11.3.B, 11.3.C, 11.3.D, 11.4.A, 11.5.D, 14.1.A, 14.1.B, 14.1.C, 14.1.D, 14.2.A, 14.3.A, and 17.2.A.

### **Prerequisite:**

Meet eligibility requirements for Management level license



## Automatic Radar Plotting Aids (ARPA)

SHLSOS-37

**2 Credits**

### **Length of Course: 32 hours**

Successful completion of this course will satisfy the ARPA training requirements of 46 CFR 11.305(a)(3)(vi), 11.307(a)(3)(vi), 11.309(a)(4)(xiv), 11.311(a)(3)(viii), 11.313(a)(3)(viii), 11.315(a)(3)(v), 11.317(a)(3)(vii), 11.319(a)(4)(viii), and 11.321(a)(3)(vii); the practical assessments are equivalent to the National Assessment Guidelines as follows: NVIC 12-14(CH-1) tasks 3.5.A and 3.6; NVIC 10-14 (CH-1) task 5.1; and NVIC 11-14 (CH-1) task 5.1.

### **Prerequisite:**

Valid Radar Observer

## Cargo Handling (Operational Level)

SHLSOS-101

### **Length of Course: 40 hours**

Successful completion of this course satisfies the Cargo Handling and Stowage training requirements of 46 CFR 11.309(a)(4)(x) for STCW endorsements as OICNW on vessels of 500 GT or more; and the tasks from the National Assessment Guideline NVIC 12-14 (CH-1) Guidelines on Qualifications for Officer in Charge of a Navigational Watch on Vessels of 500 GT or more: 10.2, 10.3.A, 11.1, 11.2, 11.4.A, 11.5, 11.6, and 11.7

### **Prerequisites:**

General requirements and TWIC, MMC or USCG license

## Basic Shiphandling and Steering Control Systems (Operational Level)

SHLSOS-72

### **Length of Course: 35 hours**

Successful completion of this course satisfies the training requirements as outlined in 46 CFR 11.309(a)(4)(viii) for an STCW endorsement as Officer in Charge of a Navigational Watch on vessels of 500 gross tonnage (ITC); and



the following practical assessments found in the National Assessment Guidelines NVIC 12-14 (CH-1) for OICNW on vessels of 500 GT or more: 1.8.A, 1.8.B, 9.1.A, 9.2.A, 9.2.B, 9.3.A, 9.4.A, 9.5.A

### **Prerequisite:**

AB with 1080 days of sea service

## **Bridge Resource Management**

SHLSOS-75

### **Length of Course: 35 hours**

This course satisfies the bridge resource management requirements of 46 CFR 11.309(a)(4)(vii); 11.319(a)(4)(vii); 11.321(a)(3)(iv); and Section A-II/1, Table A-II/1 of the STCW Code as amended 2010; AND the practical assessments have been found to be equivalent of National Assessment Guideline Tasks from NVIC 12-14 for Officer in Charge of a Navigational Watch on vessels of 500 Gt or more: 2.7.A, 2.7.B, 2.7.C, 2.7.D, 2.7.E, 2.7.F, 2.7.G.

### **Prerequisites:**

Radar Unlimited, ARPA, License of 200 Gross Tons or greater OR seeking an original third mate or unlimited license

## **Celestial Navigation**

SHLSOS-103

### **Length of Course: 123.5 hours**

Successful completion of this course will satisfy the Celestial Navigation competency requirements of Section A-II/1 of the STCW code, and the training requirements of 46 CFR 11.309(a)(4)(viii) for STCW endorsements as Officer in Charge of a Navigational Watch on vessels of 500 GT or more; provided the applicant can show completion of the NVIC 12014 (Ch-1) Tasks: 1.1.A, 1.1.B, 1.1.C, 1.1.D, 1.1.E and 1.1.F. Any approved instructor for this course or QA

may sign the Task Assessment Sheets. This course does not satisfy the Deck General, Navigation General or Navigation Problems examination requirements.

### **Prerequisites:**

ARPA, Radar Observer

## **Crane Familiarization (non-USCG)**

### **Length of Course: 35 hours**

This course consists of 35-hours of simulation which will provide the student with a familiarization of both the Leibher and Haaglund cranes, their controls and operations. Upon completion of this course, students will be able to perform daily checks to ensure safe operations; perform normal crane operations including raise and lower the hook/boom, slew, follow hand signals; load/discharge heavier cargo using hooks and buckets, use a spreader bar, and lift stack loads; and operate the crane in twin mode. THIS COURSE DOES NOT CERTIFY A STUDENT TO BE A CRANE OPERATOR.

### **Prerequisites:**

General requirements and TWIC, MMC or USCG license

## **Electronic Chart Display Information Systems (ECDIS)**

SHLSOS-179

**2 Credits**

### **Length of Course: 35 hours**

This course provides training in the basic theory and use of ECDIS for deck officers as listed in 46 CFR 11.304(a) on vessels equipped with ECDIS. Students learn to use, update, and verify electronic chart information. The training comprises all safety-relevant aspects and aims beyond the use of operational controls. All theoretical aspects and major characteristics of ECDIS data, such as data contents, system integration, information layers, and data updating, are covered in depth.

This course addresses the OICNW STCW Competency of "Use of ECDIS to maintain the safety of navigation" as found in Table A-II/1 of the STCW 2010, as amended. This course specifically addresses the following tasks from NVIC 12-14: 4.1.A, 4.2.A.

This course also addresses the Master or Chief Mate STCW Competency of "Maintain the safety of navigation through



## Fast Rescue Boat

SHLSOS-193

### Length of Course: 30 hours

Students completing this course will satisfy the training requirements of 46 CFR 12.617(a)(3) and the STCW Code Section A-VI/2; and the competency demonstration requirements of 46 CFR 12.617(a)(4) and STCW Table A-VI/2-2 for an STCW endorsement for Proficiency in Fast Rescue Boats; all the tasks from enclosure (2) to NVIC 05-14 "Assessment Guidelines for Proficiency in Fast Rescue Boats".

### Prerequisites:

Must be rated

## Global Maritime Distress & Safety System (GMDSS)

SHLSOS-210

### Length of Course: 70 hours

Any applicant who successfully completes our Global Maritime Distress and Safety System (GMDSS) course will satisfy the GMDSS training requirements of 46 CFR 11.305(a)(3)(viii); 46 CFR 11.307(a)(3)(viii); 46 CFR 11.309(a)(4)(xv); 46 CFR 11.311(a)(3)(ix); 46 CFR 11.313(a)(3)(ix); 46 CFR 11.315(a)(3)(vi); and 46 CFR 11.319(a)(4)(ix); AND the requirements of 46 CFR 11.604, to meet Section A-IV/2 of the STCW Code as amended. Topics include principles of the global marine distress and safety system communications, distress alerting, and operational procedures for VHF DSC, INMARSAT-C, MF/HF, NAVTEX, EPIRB, SART, and VHF (SCT). The course blends classroom instruction and practical exercises. An FCC filing fee is required for this course.

### Prerequisites:

One year experience as a member of navigational watch on the bridge of an ocean going vessel OR licensed radio officer or engineer

## Leadership and Managerial Skills

SHLSOS-751

### Length of Course: 35 hours

Successful completion of this course will satisfy the Leadership and Managerial Skills within 46 CFR 11.305,

the use of ECDIS and associated navigation systems to assist command decision making" as found in Table A-II/2 of the STCW 2010, as amended. This course specifically addresses the following tasks from NVIC 10-14: 6.1.A, 6.2.A, 6.3.A, 6.4.A, 6.5.A, 6.6.A, and 6.7.A.

### Prerequisites:

Must have valid Radar and ARPA certificate; and either Terrestrial and Coastal Navigation or hold a license

## Electronic Navigation

SHLSOS-181

### Length of Course: 35 hours

Successful completion of this course will satisfy the training requirements for certification as OICNW on vessels of 500 or more GT. The specific assessments performed during this course have been determined to be equivalent of National Assessment Guidelines for STCW code, Table A-II/1 as documented in NVIC 12-14; Tasks 1.4.C, 1.4.D, & 1.5.A. Applicants are not required to present completed task sheets for STCW certification.

### Prerequisite:

AB with 1 year of sea service, radar and ARPA

11.307, 11.311, 11.313, 11.315, 11.317, 11.325, 11.327, 11.331, 11.333; and the equivalent of the specific tasks found in NVIC 10-14 (CH-1) (Tasks 18.1-18.2), NVIC 11-14 (CH-1) (Tasks 18.1-18.2); NVIC 15-14 (Tasks 7.1.D, 11.1.A, 14.1.A); and NVIC 16-14 (Task 14.1.A); AND the Leadership and Teamworking Skills within 46 CFR 11.309, 11.319, 11.321, and the equivalent specific tasks from NVIC 12-14 (CH-1) (Tasks 18.1.A-18.5.A) for an endorsement as OICNW; AND Leadership and Teamworking Skills within 46 CFR 11.329; and the equivalent specific tasks from NVIC 17-14 (CH-1) (Tasks 15.1.A, 16.1.A-16.4.A) for an endorsement as OICEW.

### **Prerequisites:**

This course is open to deck and engine officers at the 2nd Mate or 2nd Asst Engineer level who have sufficient supervisory experience with shipboard operations to understand that leadership and managerial skills are an essential part of their role on board

## **Leadership and Teamworking Skills**

SHLSOS-768

### **Length of Course: 14 hours**

This course satisfies the training requirements for leadership and teamworking skills for deck officers as listed in 46 CFR 11.304(a). As specifically stated in tables A-II/1, A-III/1, and A-III/6 and 46 CFR 11.309(c)(1), 11.319(b)(1), 11.321(b)(1), and 11.329(c), "Application of leadership and team working skills" students will be able to carry out the duties of officer in charge of a navigational watch, officer in charge of an engineering watch in a manned engine room, designated duty engineer in a periodically unmanned engine room, and electro-technical officer. Task numbers are referenced from NVICs 12-14, 17-14, and 23-14.

### **Additional Prerequisites:**

This course is open to deck and engine officers at the operational level, or soon-to-be officers, who have sufficient familiarity with shipboard operations to understand that leadership and teamwork are essential parts of their role on board. There are no prerequisites for this course

## **Magnetic and Gyro Compasses**

SHLSOS-262

### **Length of Course: 30 hours**

Any applicant who has successfully completed this course will satisfy the Magnetic & Gyro Compasses training requirements of 46 CFR 11.309(a)(4) for an STCW endorsement as Officer in Charge of a Navigational Watch on vessels of 500 or more gross tonnage (ITC); AND the practical assessments are equivalent of the National Assessment Guidelines, as documented in NVIC 12-14 (CH-1) Guidelines on Qualifications for Officer in Charge of a Navigational Watch on Vessels of 500 GT or more: 1.6.A, 1.6.B, 1.6.C, 1.6.D, 1.7.A, 1.7.B, 1.7.C, 1.7.D, 1.7.E, 1.7.F.

### **Prerequisite:**

AB with 1 year of sea service

## **Master 100 Tons**

SHLSOS-281

### **Length of Course: 96 hours**

Successful completion of this course and presenting our certificate within one year of completion of training will satisfy the examination requirements of 46 CFR 11.201(j)(1) for an original issuance, 46 CFR 10.227(e)(1)(iii) for renewal and 46 CFR 10.227(i) for reissuance for any one of the following endorsements and may not be used for any application transactions thereafter: Master of less than 100 GRT, Near Coastal or Great Lakes & Inland, or Inland Waters; OR Master of less than 100 GRT, Near Coastal, Raise in Grade from OUPV Near Coastal; OR Operator of Uninspected Passenger Vessels (OUPV) or Mate of less than 100 GRT upon Near Coastal, or Great Lakes & Inland, or Inland Waters.

### **Prerequisites:**

MMC or USCG license;  
Radar Observer Unlimited; AB

## **Meteorology (Operational Level)**

SHLSOS-316

### **Length of Course: 40 hours**

Successful completion of this course will satisfy the approved training requirements of 46 CFR 11.309(a)(4) (xiii) towards certification as an Officer in Charge of a

Navigational Watch on vessels of 500 gross tons or more; and the equivalent of the specific assessment tasks from National Assessment Guidelines found in NVIC 12-14 (CH-1) namely tasks 1.9, 1.10 and 1.11.

**Prerequisite:**

AB with 1 year of sea service

**Proficiency in Survival Craft**

SHLSOS-372

**Length of Course: 35 hours**

This 1 week course is provided for our NCL members onboard Pride of America. Successful completion of this course will satisfy the competency requirements of Table A-VI/2-1 of the STCW, as amended 2010, for Proficiency in Survival Craft and Rescue Boast other than Fast Rescue Boast (PSC) and will satisfy the professional exam and practical demonstration requirements of 46 CFR 12.407(b) (3) for endorsements for Lifeboatman and PSC and have performed the equivalent of all practical demonstration requirements as guided by the PSC NVIC 04-14.

**Prerequisites:**

Basic Training within 5 years and 180 days of deck sea time

**Proficiency in Survival Craft/  
Personal Survival Techniques**

SHLSOS-378

**Length of Course: 35 hours**

Successful completion of this course will satisfy the competency requirements of Table A-VI/2-1 of the STCW, as amended 2010, for Proficiency in Survival Craft and Rescue Boats Other Than Fast Rescue Boats (PSC) and will satisfy the professional examination and practical demonstration requirements of 46 CFR 12.407(b)(3) for endorsements for Lifeboatman and PSC; AND the Personal Survival Techniques training and competency requirements of STCW, as amended 2010, Section A-VI/1 and 46 CFR 11.302(a)(1) and 12.602(a)(1); AND have performed the equivalent of all practical demonstration requirements as guided by PSC NVIC 04-14 and the Personnel Survival Techniques section within Basic Training NVIC 08-14.

**Prerequisites:**

180 days of deck sea time

**Radar Observer  
Recertification**

SHLSOS-402

**Length of Course: 1 day**

This course satisfies the requirements of 46 CFR 11.480(f) for maintaining the validity of an endorsement as Radar Observer. This course does not satisfy any training or assessment requirements of the STCW Convention and STCW Code.

**Prerequisites:**

Radar Observer Unlimited valid or not have expired more than 6 months

**Radar Observer Unlimited**

SHLSOS-399

**2 Credits**

**Length of Course: 10 days**

Successful completion of this course, including successful demonstration of all practical assessments, will satisfy the requirements of 46 CFR 11.480(d) for an endorsement as Radar Observer (Unlimited) and the radar training requirements of Section A-II/1 and Table A-II/1 of the STCW Code, as amended 2010 for certification as Officer in Charge of a Navigational Watch on vessels of 500 or more gross tons (ITC). Practical assessments will be accepted as the equivalent of the assessment from the National Assessment Guidelines for Table A-II/1 of the STCW Code NVIC 12-14(CH-1) tasks 3.1, 3.2.A, 3.2.B, 3.3.A, and 3.4.

This course features hands-on training and classroom work, including radar theory, observation, operation and use, interpretation and plotting, advanced radar plotting, collision avoidance and navigational exercise. Students operate modern audio-visual and radar simulation gear as they practice controlling and maneuvering a vessel, plotting courses and safely guiding a ship without jeopardizing the safety of other vessels.

**Prerequisites:**

Must be rated with one year as AB

## Rating Forming Part of a Navigational Watch

SHLSOS-408

**Length of Course: 20 days**

2 Credits

The objective of this course is to train students involved in navigation at the support level. To prepare for this role, they will learn to steer the ship and also comply with helm orders in the English language. They will learn to keep a proper look-out by sight and hearing, contribute to monitoring and controlling a safe watch, learn Rules of the Road, operate emergency equipment, apply emergency procedures, and contribute to the handling of cargo and stores. This course also incorporates the standards of competence as outlined in Table A-II/4 of STCW 2010, as amended and NVIC 06-14.

### Prerequisites:

Completion of Phase II of UA program or 6 months of sea service in deck department

## Search and Rescue (Operational Level)

SHLSOS-447

**Length of Course: 16 hours**

Successful completion of this course will satisfy the training requirements of 46 CFR 11.309(a)(4)(iii) for and STCW endorsement as OICNW on vessels of 500 GT or more; and the tasks from the National Assessment Guidelines found in NVIC 12-14 (CH-1) 5.1.A, 5.2.A, 5.3.A and 6.1.

### Prerequisite:

AB with 1 year of sea service

## Search and Rescue (Management Level)

SHLSOS-445

**Length of Course: 19.5 hours**

Successful completion of this course will satisfy the Search and Rescue approved training of: 46 CFR 11.305(a)(3)(v) and 11.307 (a)(3)(v) for STCW endorsements as Master or Chief Mate on vessels of 3000 GT or more; 46 CFR



11.311(a)(3)(v) and 11.313(a)(3)(v) for STCW endorsements as Master or Chief Mate of more than 500 GT and less than 3000 GT; 46 CFR 11.315(a)(3)(i) for an STCW endorsement as Master on vessels of less than 500 GT; the Search and Rescue competence of Table A-II/2 of the STCW Code; AND will be considered to have successfully completed assessment task 4.1 of NVIC 10-14(Ch-1).

### Prerequisite:

Licensed Mate with proof of completing Search and Rescue (Operational Level) course

## Ship Construction and Basic Stability

SHLSOS-449

**Length of Course: 40 hours**

Successful completion of this course will satisfy the ship construction and ship stability standard of competence requirements of Table A-II/1 and Table A-III/1 of the STCW Code, as amended 2010; and the approved training requirements of 46 CFR 11.309(a)(4)(xii) for certification of an Officer in Charge of a Navigational Watch on vessels of 500 GT (ITC) or more; AND the equivalent of the specific tasks from National Assessment Guidelines found in NVIC 12-14 (CH-1), specifically tasks 10.1, 11.3, 13.1, 13.2, 13.3 and 13.4; AND, NVIC 17-14: Tasks 11.1.A, 11.2.A, 11.3.A, and 11.4.A.

### Prerequisites:

1080 days of sea service

## Terrestrial & Coastal Navigation

SHLSOS-512

### **Length of Course: 102 hours**

Any applicant who successfully completes this course will satisfy: The Terrestrial and Coastal Navigation training requirements of 46 CFR 11.309(a)(4)(viii) for an STCW endorsement as Officer in Charge of a Navigational Watch on vessels of 500 or more gross tonnage (ITC); AND the equivalent of National Assessment Guidelines Tasks, as documented in NVIC 12-14 (CH-1) Guidelines on Qualifications for Officer in Charge of a Navigational Watch on Vessels of 500 GT or more: 1.2.A, 1.2.B, 1.2.C, 1.3.A, 1.3.B, 1.3.C, 1.4.A, 1.4.B.

### **Prerequisite:**

AB with 1080 days of sea service

## Visual Communications, (Flashing Light)

SHLSOS-542

### **Self-study**

This self-study course will satisfy the Visual Signaling requirements of 46 CFR 11.309(a)(4)(vi) and 11.319(a)(4)(vi) if presented within one year of the completion of training; AND will be considered to have successfully demonstrated the equivalent of tasks 8.1 and 8.2 of NVIC 12-14 (CH-1) for an STCW, as amended 2010, endorsement as Officer in Charge of a Navigational Watch on Vessels of 500 GT or more.

### **Prerequisites:**

Should be near ready to apply for OICNW license

## Water Survival

SHLSOS-549

### **2 Credits**

### **Length of Course: 66 hours**

This 2 week course satisfies the competency standards of STCW Code Table A-VI/2-1 of the STCW, as amended 2010, for Proficiency in Survival Craft and Rescue Boats Other Than Fast Rescue Boats (PSC) and will satisfy the examination and practical demonstration requirements of 46 CFR 12.407(b)(3) for endorsements for Lifeboatman and PSC; AND if presented within one year of the completion of training, the written and

practical examination requirements of 46 CFR 12.407 for a Lifeboatman endorsement; AND the written "Survival Craft" examination requirements of 46 CFR 12.409(a)(5) for service on vessels not equipped with lifeboats; AND the Personal Survival Techniques training requirements of Table A-VI/1-1 of the STCW Code and 46 CFR 11.202(b)(1). This course meets the specific tasks outlined in NVIC 04-14 (1.4.A, 1.5.A, 2.1.A, 3.1.A, 3.1.B, 3.2.A, 4.1.A, 4.1.B, and 4.2.A) and NVIC 08-14 (1.3.A, 1.14.A, 1.14.B, 1.14.C, 1.14.D, 1.14.E, 1.14.F, 1.14.G, 1.14.H, 1.14.I, 1.14.J, 1.14.K).

### **Prerequisites:**

180 days seetime

## Watchkeeping (Operational Level)

SHLSOS- 548

### **Length of Course: 80 hours**

Successful completion of this course will satisfy the Watchkeeping and SMCP training requirements of 46 CFR 11.309(a)(4)(ix) for an STCW endorsement as OICNW on vessels of 500 or more gross tons (ITC) and 46 CFR 11.319(a)(4)(iii) for an STCW endorsement as OICNW on vessels of less than 500 gross tons (ITC); and the BRM training requirements of 46 CFR 11.309(a)(4)(vii), 11.319(a)(4)(vii), and 11.321(a)(3)(iv). Practical assessments have been determined to be equivalent of NVIC 12-14 for Qualification as OICNW of 500 GT or more: 2.1.A, 2.1.B, 2.1.C, 2.1.D, 2.1.E, 2.1.F, 2.1.G, 2.2.A, 2.2.B, 2.2.C, 2.2.D, 2.2.E, 2.3.A, 2.3.B, 2.3.C, 2.4.A, 2.5.A, 2.6.A, 2.7.A, 2.7.B, 2.7.C, 2.7.D, 2.7.E, 2.7.F, 2.7.G, 12.1.A, 12.2.A, 12.3.A, and 17.1.A.

### **Prerequisite:**

AB with one year of sea service, Radar, ARPA and ECDIS certificates



## Engine Department

### UA to FOWT Program

*SHLSOS-642*

Students completing the UA to FOWT program and making application within 1 year of completion will: (1) satisfy the written exam requirements of 46 CFR 12.505 for the endorsements as FOWT, provided that the applicant presents evidence of at least 90 qualifying days of engine room sea service; AND (2) satisfy the training and assessment requirements of 46 CFR 12.609(1)(3) and Table A-III/4 of the STCW Code, as amended for RFPEW - Limited to Steam and Motor propelled vessels only PROVIDED that the applicant also presents evidence of at least 60 days of engine watchkeeping service; AND (3) receive 90 days of sea service credit that can be applied towards the service requirements of 46 CFR 12.503 for QMED endorsements PROVIDED applicants present an additional 90 days of qualifying engine room sea service, and meet all other requirements before issuance of any QMED endorsements.

### Advanced Refrigerated Containers Maintenance

#### ***Length of Course: 2 weeks***

This course is designed to advance the knowledge of those seafarers who have been previously trained as a Refrigerating Engineer. The training provides students with the theoretical and practical knowledge and the skills necessary to operate, maintain, troubleshoot, and repair refrigerated containers while serving in the capacity of maintenance electrician on board a container ship. Students receive training in refrigerated container unit operation, maintenance, repair, and troubleshooting. This includes the various types of engines, refrigeration, and electrical systems. The course is designed to help students develop a systematic approach to troubleshooting and maintenance

procedures and leads to certification in refrigerated containers maintenance and consists of classroom and practical shop training.

#### **Prerequisites:**

**SHLSS Junior Engineer, QMED-Any Rating, Marine Electrician or Marine Refrigeration Technician**

### Basic Auxiliary Plant Operations

*SHLSOS-51*

**4 Credits**

#### ***Length of Course: 140 hours***

This is the first of three courses required to earn a USCG rating as a Fireman/Watertender Oiler (FOWT) and the first of three courses required to satisfy STCW endorsement as a Ratings Forming Part of the Engineering Watch. The objective of this course to provide students with knowledge and practical operational skills required of rated engine department watchstanders in auxiliary plants as they prepare to sail in the capacity of FOWT. Successful completion of this course and presentation of the certificate within ONE year of completion, will receive 30 days sea service credit towards a QMED rating, and will be accepted as having completed the tasks for General Subjects and Shipboard Systems and Subsystems and the general practical assessments from NVIC 07-14 (1.1.C, 1.1.D, 1.1.E, 1.1.F, 1.1.G, 1.2.A, 1.2.E, 1.2.F, 1.3.A, 1.3.B, 1.3.C, 2.3.A, 3.1.A, 4.1.A, 4.2.A) and NVIC 18-14 (3.1.A, 4.1.A, 5.1.A, 5.1.B, 6.2.A, 7.2.A, 7.6.A, 9.1.A, 9.1.B, 9.2.1, 9.3.A, 10.4.A, 10.6.A, 10.6.B).

#### **Prerequisites:**

**90 days seetime in engine department**

## Basic Electricity (Junior Engineer Course)

SHLSOS-52

3 Credits

### Length of Course: 70 hours

This is one of three courses required for those seeking a QMED - Junior Engineer endorsement. The course provides the mariner electrical skills required of a rated member of the engine department. Successful completion of this course and presenting the certificate of training WITHIN ONE YEAR of the completion of training will satisfy the examination requirements of 46 CFR 12.505 towards an endorsement of Junior Engineer, PROVIDED they have also completed the Engineering Plant Maintenance (SHLSOS-191) and Basic Refrigeration and HVAC (SHLSOS-64); AND present evidence of acquiring at least 90 days of engine room service while endorsed as a QMED Oiler or Fireman-Watertender prior to commencing the above training.

#### Prerequisites:

Must hold RFPEW and 180 days seetime after FOWT in engine department

## Basic Motor Plant Operations

SHLSOS-63

2 Credits

### Length of Course: 66 hours

This is the last of three courses required to earn a USCG rating as a Fireman/Watertender Oiler (FOWT) and the last of three courses required to satisfy STCW endorsement as a Ratings Forming Part of the Engineering Watch. The objective of this course to provide students with knowledge and practical operational skills required of rated engine department watchstanders in motor plants as they prepare to sail in the capacity of Oiler. Successful completion of this course and presentation of the certificate within ONE year of completion, will receive 30 days sea service credit towards a QMED rating, and will be accepted as having completed the tasks for General Subjects, Electrical Subjects, Motor Propulsion subjects and the motor/diesel practical assessments from NVIC 07-14 (1.1.A, 1.1.B(M), 1.1.H(M), 1.1.I(M), 1.1.J, 1.1.K, 1.2.B, 1.2.C, 1.2.D, 2.1.A, 2.1.B, 2.1.C, 2.2.A, 2.2.B, 2.3.A, 4.2.B).

#### Prerequisites:

Must have BAPO and 180 days engine seetime

## Basic Refrigeration & Heating, Ventilation, and Air Conditioning (HVAC) (Junior Engineer Course)

SHLSOS-64

4 Credits

### Length of Course: 70 hours

This is one of three courses required for those seeking as QMED - Junior Engineer endorsement. This course provides the cognitive and practical mechanical skills required of Basic Refrigeration and HVAC. Successful completion of this course and presenting the certificate of training WITHIN ONE YEAR of the completion of training will satisfy the examination requirements of 46 CFR 12.505 towards an endorsement of Junior Engineer, PROVIDED they have also completed Engineering Plant Maintenance (SHLSOS-191) and Basic Electricity (SHLSOS-52); AND present evidence of acquiring at least 90 days of engine room service while endorsed as a QMED Oiler or Fireman-Watertender prior to commencing the above training.

#### Prerequisites:

Must hold RFPEW and 180 days seetime after FOWT in engine department

## Basic Steam Plant Operations

SHLSOS-73

2 Credits

### Length of Course: 70 hours

This is the second of three courses required to earn a USCG rating as Fireman/Watertender Oiler (FOWT) and the second of three courses required to satisfy STCW endorsement as a Ratings Forming Part of the Engineering Watch. The objective of this course to provide students with knowledge and practical operational skills required of rated engine department watchstanders in steam plants as they prepare to sail in the capacity of F/WT. Successful completion of this course and presentation of the certificate within ONE year of completion, will receive 30 days sea service credit towards a QMED rating, and will be accepted as having completed the tasks for General Subjects, Electrical Subjects, Steam Propulsion subjects and the steam practical assessments from NVIC 07-14 (1.1.B(S), 1.1.H(S), 1.1.I(S), 2.1.A, 2.1.B, 3.1.A, 3.1.C, 3.1.D, 3.1.E, 3.1.F, 3.1.G, 3.1.H, 3.1.I, 3.1.J).

#### Prerequisites:

Must have BAPO and 180 days engine seetime

## Engineering Plant Maintenance (Junior Engineer Course)

SHLSOS-191

**2 Credits**

### **Length of Course: 140 hours**

This is a one of three courses required for those seeking a QMED - Junior Engineer endorsement. The course provides cognitive and practical mechanical skills required of engineering plant maintenance. Successful completion of this course satisfies the training requirements as outlined in 46 CFR 12.505(c), the requirements of Table A-III/5 of the STCW Code, as amended, and the equivalent tasks of the National Assessment Guidelines in NVIC 18-14 for an endorsement as Able Seafarer - Engine (1.1.A, 1.2.A, 1.3.A, 2.1.A, 2.2.A, 3.1.A, 4.1.A, 5.1.A, 5.1.B, 5.1.C, 5.2.A, 6.1.A, 6.2.A, 6.3.A, 7.1.A, 7.2.A, 7.3.A, 7.4.A, 7.5.A, 7.6.A, 8.1.A, 8.1.B, 9.1.A, 9.1.B, 9.2.A, 9.3.A, 10.1.A, 10.2.A, 10.3.A, 10.4.A, 10.5.A, 10.6.A, 10.6.B, 10.6.C, 10.7.A, 10.8.A, 10.8.B, 10.9.A) and the tasks from NVIC 17-14 for OICEW (5.2.B, 5.2.C, 5.2.D, 8.2.C, 9.1.B, 9.1.C).

### **Prerequisites:**

**Must hold RFPEW and 180 days seetime after FOWT in engine department**



## Engineroom Resource Management

SHLSOS-187

### **Length of Course: 35 hours**

Successful completion of our Engine Room Resource Management course will satisfy the ERM training requirements in 46 CFR 11.325(a)(3)(i) and (b)(1); 11.327(a)(3)(i) and (b)(1); 11.329(a)(4)(iv); 11.331(a)(93)(i) and (b)(1); and 11.333(a)(3)(i) and (b)(1); AND specific task 1.4 from NVIC 17-14 (CH1) OICEW.

Topics include team organization and team building, engine room procedures and practices, engine room communications, situational and cultural diversity awareness, and factors affecting human performance. Students develop a greater understanding and awareness of correct watchkeeping procedures and have a greater practical understanding of the interdependency of the various operating machinery. Students will be able to anticipate problems and troubleshoot using critical thinking and situation awareness. They will contribute to the safe and effective operation of the vessel's operation and machinery spaces.

### **Prerequisites:**

**36 months of seagoing service in the engine department; upgrading to or hold an Engineering license**

## Machinist

SHLSOS-261

### **Length of Course: 102 hours**

This course provides mariners cognitive and practical mechanical skills in the area of general metalworking and machine tool operations. Successfully completing the Machinist course and presenting the Certificate of Training WITHIN ONE YEAR OF THE COMPLETION OF TRAINING will satisfy the written examination requirements of 46 CFR 12.505(a) for the Machinist portion of the combined QMED-Pumpman/Machinist endorsement of 46 CFR 12.501(b)(1)(v) PROVIDED applicant currently holds a QMED-Pumpman rating or has completed and approved QMED-Pumpman course within one year of this application. Assessments will meet the requirements of 8.1.A of NVIC 17-14 for the use of hand tools.

### **Prerequisites:**

**Completed Junior Engineer course, 120 days seetime as a Junior Engineer and hold RFPEW**

## Management of Electrical and Electronic Control Equipment

SHLSOS-176

### Length of Course: 70 Hours

This course is open to any Chief Engineers or 1AE seeking endorsement or renewal on vessels of 3000kW/4000 HP or more. Any applicant who has successfully completed the Management of Electrical and Electronic Control Equipment (SHLSOS-176) course will satisfy the Management of Electrical and Electronic Control Equipment training requirement of 46 CFR 11.325(a)(3)(iii) and (b)(3); 46 CFR 11.327(a)(3)(iii) and (b)(3); 46 CFR 11.331(a)(3)(iii) and (b)(3); and 46 CFR 11.333(a)(3)(iii) and (b)(3); AND the following demonstration of competencies from the Chief Engineer/Second Engineering Officer NVIC 15-14 and NVIC 16-14: Tasks 5.1.A, 5.1.D, 5.1.E, 6.1.A. Applicants are not required to present completed record of assessment sheets for the above tasks when applying for STCW endorsement.

### Prerequisites:

Complete OICEW or DDE 750kW/1000HP course OR hold valid STCW endorsement for OICEW in manned ER or an endorsement as DDE in periodically unmanned ER of 750kW/1000HP or more.

## Marine Electrician

SHLSOS-269

### Length of Course: 280 hours

Successfully completing this course and presenting the certificate of training will satisfy the examination requirements of 46 CFR 12.501 (b)(4) for the Electrician portion of the combined QMED-Electrician/Refrigerating Engineer, if presented within one year of the completion of training; PROVIDED the applicant presents evidence of 90 days of engine room service while holding an endorsement as a QMED prior to the commencement of this training; AND the accepted tasks from the National Assessment Guidelines of NVIC 17-14 of OICEW (6.1.D, 6.1.E, 6.2.A, 7.1.A, 7.2.A, 7.2.B, 7.3.A, 7.4.A).

The objective of the Marine Electrician course is to provide Engine Department personnel the ability to perform Function: Electrical, Electronic, and Control Engineering at the Support Level; Maintenance and Repair at the Support Level; and Controlling the Operation of the Ship and Care for Persons on Board at



the Support Level. This course teaches the theoretical and practical knowledge and skills necessary to perform maintenance and repair operations on motors, generators, and controllers on board ship.

### Prerequisites:

Must have completed SHLSS Junior Engineer, 90 days' sea time as QMED, or endorsed as QMED-Any Rating

## Marine Refrigeration Technician

SHLSOS-274

### Length of Course: 210 hours

Any applicant who has successfully completed your Refrigeration (SHLSOS-274) course and presents your certificate of training WITHIN ONE YEAR OF THE COMPLETION OF TRAINING will satisfy: the written exam requirements of 46 CFR 12.505(a) for the Refrigerating Engineer portion of the combined QMED-Electrician/Refrigerating Engineer endorsement of 46 CFR 12.501(b)(1)(iv) PROVIDED applicant currently holds a QMED-Electrician rating or has completed an approved QMED-Electrician course within one year of this application; AND the following specific tasks from the OICEW NVIC 17-14: 4.3.T, 4.3.U, and 4.3.V; AND the specific task from RFPEW NVIC 7-14: 1.1.E

The objective of the Marine Refrigeration Technician Course is to provide Engine Department personnel with the theoretical and practical knowledge and the skills necessary to perform maintenance and repair operations on ship's stores plants, air conditioning plants, cargo refrigeration, ventilation and dehumidification equipment, as well as pantry refrigerators, water coolers, and ice machines. An introduction to refrigerated container units is also presented.

### Prerequisites:

120 days seetime after completion of SHLSS JE course; Must have completed Marine Electrician course

## Pumpman

SHLSOS-380

### **Length of Course: 35 hours**

Successful completion of this course and presenting certificate within ONE year of the completion of training will satisfy the written exam requirements of 46 CFR 12.505(a) for the Pumpman portion of the combined QMED-Pumpman/Machinist endorsement of 46 CFR 12.501(b)(1)(v) PROVIDED applicant currently holds a QMED-Machinist rating or has completed an approved QMED-Machinist course within one year of this application; AND tasks 5.1.A, 5.2.A, 5.2.B, 5.2.C, 5.2.D, 5.2.E from the National Assessment Guidelines for an Officer in Charge of an Engineering Watch NVIC 17-14.

The objective is to provide engine department personnel with the theoretical and practical knowledge and the skills necessary to operate, maintain, and repair the equipment associated with the handling of liquid cargo onboard a tankship. Topics covered in the Pumpman course are Inert gas systems, crude oil washing systems, vapor recovery, and 2 days of assessment in the cargo simulator.

#### **Prerequisites:**

Must have completed machinist and welding courses

## Self-Unloading Advanced

### **Length of Course: 32 hours**

This course is intended for mariners sailing in the capacity of head tunnelman/conveyorman or intend to sail as head tunnelman/conveyorman. At the conclusion of this course, students will be able to safely operate and maintain the conveyor system and all associated components.

#### **Prerequisites:**

Seatime as a Conveyorman with 1 year of sea service

## Self-Unloading Basic

### **Length of Course: 35 hours**

This course is designed for mariners currently sailing on Great Lakes self-unloading vessels who have a desire to move into the conveyorman job. The objective of this course is to train deck or engine sailors in the basics of the job of conveyorman/tunnelman on a self-unloading ship. Topics will emphasize safety and includes work hour management, job responsibilities, familiarization and operation of the unloading system, conveyor system clean up and shut down, troubleshooting, general maintenance, welding safety, record keeping and inventories.

#### **Prerequisites:**

Seatime as a Conveyorman with 1 year of sea service

## Welding and Metallurgy Skills and Practices

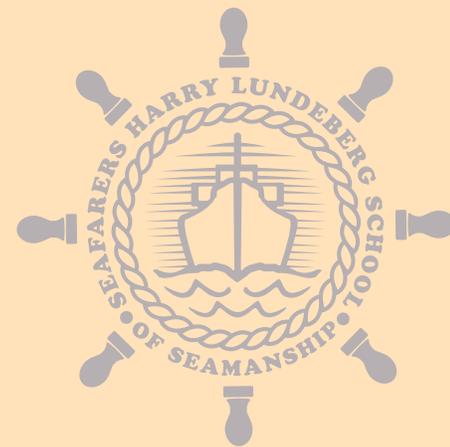
SHLSOS-55

### **Length of Course: 105 hours**

The objective of the course is to Engine Department personnel to tack and run a straight bead in a variety of situations and to test a weld using dye penetrant. This course is part of the Pumpman Program and the Officer in Charge of an Engineering Watch Program. Any applicant completing this course and presenting the certificate of training will be credited with the tasks from OICEW NVIC 17-14, namely 8.1.B and 8.1.C.

#### **Prerequisites:**

Must be Q4



## STEWARD DEPARTMENT

### ServSafe Manager

#### ***Length of Course: 1 week***

The ServSafe Manager is an online course managed by the National Restaurant Association and is based on their text, ServSafe Manager Book (formerly ServSafe Essentials). This course is ideal for preparing students to take the ServSafe Food Protection Manager Certification Exam. It covers critical principles including: personal hygiene, cross contamination, time and temperature, receiving and storage, food safety management systems, training hourly employees, and more. A fee is required to take the test.

#### **Prerequisites:**

No additional prerequisites

### Galley Operations

#### **6 Credits**

#### ***Length of Course: 293 hours***

The course introduces mariners to safe and sanitary practices necessary for a career in the Steward Department and covers the topics of cleaning and sanitizing the shipboard environment, food borne illness, contamination, personal hygiene, measurements, abbreviations, safe food handling, ordering and storage, and salad bar production.

#### **Prerequisites:**

365 day's sea time as an SA, or Phase III UA's deciding on a Steward Dept career

### Certified Chief Cook

#### **15 Credits**

#### ***Length of Course: Six 2-week modules***

This course provides steward department personnel with an understanding and knowledge of sanitation, nutrition, and the preparation, production and service of soups, sauces, meats, poultry, and seafood. The structure of the course allows eligible upgraders to enroll at the start of any module.

#### **Prerequisites:**

Successful completion of UA Program and 180 days seetime OR successful completion of Galley Ops and one year seetime as SA

### Advanced Galley Operations

#### ***Length of Course: 199 hours***

The course provides students with a thorough grasp of the advanced baking knowledge and skills required of a member of the steward department. Basic computer skills.

#### **Prerequisites:**

Successful completion of Galley Ops and Cert. Chief Cook and 180 day's seetime



## Chief Steward

### *Length of Course: 525 hours*

This course trains stewards to take charge of a production galley, supervise employees in galley operations, plan and prepare meals, incorporate a wellness environment in menu structure, order inventory, determine scheduling and oversee galley sanitation. On meeting the minimum requirements for Chief Steward, culinary students will be trained to take charge of a production galley. The course stresses the competencies related to management, breakfast production, communication, leadership, inventory control, ordering, scheduling, sanitation, healthy menu planning and healthy baking. Includes the use of FoodCo, a comprehensive galley management program to help with menu planning, inventory control and wellness.

### **Prerequisites:**

Successful completion of Galley Ops, Cert. Chief Cook, Adv. Galley Ops and 180 days seetime

## Chief Cook Revalidation 2.0

### *Length of Course: 35 hours*

This course includes wellness and nutrition, basic leadership skills, communications, recipes, better menu planning, ordering, and purchasing. Basic computer skills. This 1 week course was developed from the feedback of our shipping companies to bring Chief Cooks up-to-date on changes to the contract requirements.

### **Prerequisites:**

Successful completion of Chief Cook

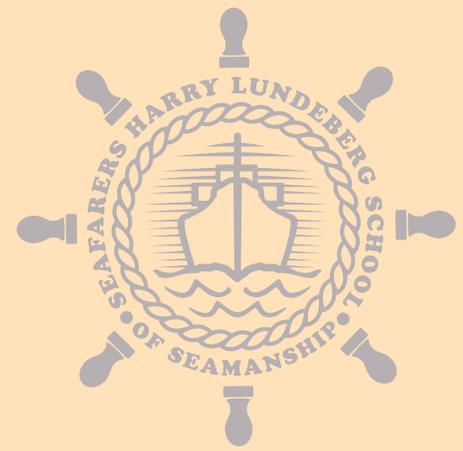
## Chief Steward Revalidation 2.0

### *Length of Course: 35 hours*

This course includes wellness and nutrition, leadership, communications, recipes, better menu planning, ordering, and purchasing. Basic computer skills. This 1 week course was developed from the feedback of our shipping companies to bring Stewards up-to-date on changes to the contract requirements.

### **Prerequisites:**

Successful completion of Chief Steward



## Safety Courses

### Basic Fire Fighting

SHLSOS-53

#### **Length of Course: 16-Hour**

This course is an element of Basic Training and satisfies the following: 1)Fire Prevention per STCW table A-VI/1; 2)Fire Prevention per 46CFR 11.302(a)(2) and 12.602(a)(2) and; 3)Basic Fire Fighting training required by 46CFR 11.201(h)(2) [Basic only] and 11.201(h)(3); and 4)Fire Fighting requirements for national tankerman endorsement in 46CFR 13.201(c)(3), 13.301(c)(3), 13.401(d), and 13.501(c)(3).

#### **Prerequisites:**

No additional prerequisites

### Basic Fire Fighting

SHLSOS-57

**2 Credits**

#### **Length of Course: 35-hours**

This course is part of the UA Program and satisfies the following: 1)Fire Prevention per STCW table A-VI/1; 2)Fire Prevention per 46CFR 11.302(a)(2) and 12.602(a)(2); 3)Basic Fire Fighting required by 46CFR 11.201(h)(2) [Basic only] and 11.201(h)(3); and 4)Fire Fighting requirements for national tankerman endorsement in 46CFR 13.201(c)(3), 13.301(c)(3), 13.401(d), and 13.501(c)(3). This course satisfies all the associated tasks from NVIC 08-14 for Fire Prevention and Fire Fighting: 3.2A, 3.7.A, 3.8.A, 3.8.B, 3.8.C, 3.8.D.

The objective of this course is to familiarize the student with the chemical process of fire, its behavior, and the various methods and equipment used to combat it.

#### **Prerequisites:**

No additional prerequisites

### Basic Training

#### **Length of Course: 40 hours**

The Basic Training Program consists of four stand-alone courses of components outlined in Basic Fire Fighting (SHLSOS-53), First Aid/CPR/AED (SHLSOS-203), Personal Safety & Social Responsibilities (SHLSOS-359), and Personal Survival Techniques (SHLSOS-363).

#### **Prerequisites:**

No additional prerequisites

### Basic Training Revalidation

SHLSOS-718

#### **Length of Course: 8 hours**

A mariner who successfully completes the course will satisfy the continued competency requirements for Personal Survival Techniques and Fire Prevention and Fire Fighting in STCW Section A-VI/1, 46 CFR 11.302(d) and 46 CFR 12.602(d), provided that they have at least 1 year of sea



service in the last 5 years. The following practical assessments performed during this course have been determined to be equivalent of National Assessment Guidelines as documented in NVIC 08-14 Guidelines on Qualifications for STCW Endorsements in Basic Training: 1.14.B, 1.14.D, 1.14.E, 1.14.F, 1.14.G, 3.7.A, 3.8.A, 3.8.B, 3.8.C, and 3.8.D.

### **Prerequisites:**

**Basic Training within last 5 years and proof of 1 year sea service within the last 5 years**

## **Basic Training & Advanced Fire Fighting Revalidation**

*SHLSOS-823*

**35 hours**

A mariner successfully completing your Basic Training & Advanced Firefighting Revalidation course (SHLSOS-823) AND having been previously endorsed for Basic Training, Advanced Firefighting and Proficiency in Survival Craft, AND showing evidence of having at least one year of sea service in the last 5 years will: \*Satisfy the Basic Training Revalidation continued competency requirements for Personal Survival Techniques, Fire Prevention and Fire Fighting in STCW as amended 2010, Section A-VI/1, 46 CFR 11.302(d) and 46 CFR 12.602(d); \*Satisfy the Advanced Fire Fighting revalidation requirements of STCW Code Section A-VI/3 and 46 CFR 11.201(h)(1) and 11.303(d), AND \*Satisfy the Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats continued professional competence requirements of 46 CFR 12.613(b). The following practical assessments performed during this course have been determined to be equivalent of National Assessment Guidelines tasks as documented in NVIC 08-14 Guidelines on Qualifications for STCW Endorsements in Basic Training AND satisfying the requirements for revalidation for Proficiency in Survival Craft and Proficiency in Survival Craft Limited: 1.14.B, 1.14.D, 1.14.E, 1.14.F, 1.14.G, 3.7.A, 3.8.A, 3.8.B, 3.8.C, 3.8.D, and NVIC 09-14 Advanced Fire Fighting 1.3.A, 1.5.A, 2.1.A, 2.1.B, 3.1.A, 3.1.B, 4.1.A, 4.1.B, and 4.1.C.

### **Prerequisites:**

**Previously endorsed for Basic Training, Advanced Fire Fighting, and Proficient in Survival Craft and proof of 1 year sea service within the last 5 years**



## **Combined Basic & Advanced Fire Fighting**

*SHLSOS-125*

**2 Credits**

**Length of Course: 40 hours**

Successful completion of this course will satisfy the following requirements: 1. Fire Prevention and Fire Fighting per STCW Code Section A-VI/1; 2. Advanced Firefighting per STCW Code Section A-VI/3; 3. Fire Prevention and Firefighting per 46 CFR 11.302(a)(2) and 12.602(a)(2); 4. Basic and Advanced Firefighting per 46 CFR 11.201(h)(2) and 11.201(h)(3); Advanced Firefighting per 46 CFR 11.303(a); and Firefighting requirements for a national tankerman endorsement in 46 CFR 13.201(c)(3), 13.301(c)(3), 13.401(d), and 13.501(c)(3).

### **Prerequisites:**

**Must be rated**

## **Crisis Management & Human Behavior**

*SHLSOS-138*

**Length of Course: 7 hours**

Successful completion of this course will satisfy the Crisis Management & Human Behavior training requirements of 46 CFR 11.1105(a)(1)(iii); AND Paragraph 3 of Section A-V/2; AND the competencies of Table A-V/2 of the STCW Code, as amended 2010.

The training includes organizing the safe movement of passengers when embarking and disembarking, organizing shipboard emergency procedures, optimizing the use of resources, controlling responses to emergencies,

controlling passengers and other personnel during emergency situations, and establishing and maintaining effective communications.

**Prerequisites:**

No additional prerequisites

**Crowd Management**

SHLSOS-142

**Length of Course: 4 hours**

Any applicant successfully completing this course will satisfy the Crowd Management training requirements of 46 CFR 12.905, 11.1105 and the STCW Code Section A-V/2 paragraphs 1 and 2 of the STCW Code, as amended 2010.

It provides the knowledge and skills necessary for crowd management including controlling a crowd in an emergency, locating safety and emergency equipment on board a vessel, complying with ships' emergency procedures, effective communications during an emergency, and demonstrating the use of personal lifesaving devices.

**Prerequisites:**

No additional prerequisites

**First Aid & CPR**

SHLSOS-197

**1 Credit**

**Length of Course: 21-hour**

This course is part of the UA program and satisfies: (1) the Elementary First Aid per Table A-VI/1-3; (2) Elementary First Aid per 46 CFR 11.302(a)(3) and 46 CFR 12.602(a)(3); and (3) the First Aid and CPR training requirements of 46 CFR 11.201(i)(1).

Students in this class learn the principles and techniques of safety and basic first aid, and cardiopulmonary resuscitation (CPR) according to the nationally accepted standards.

**Prerequisites:**

No additional prerequisites

**First Aid/CPR/AED**

SHLSOS-203

**Length of Course: 8 hours**

This course is part of the BT classes and satisfies: (1) the Elementary First Aid per Table A-VI/1-3; (2) Elementary First Aid per 46 CFR 11.302(a)(3) and 46 CFR 12.602(a)(3); and (3) the First Aid and CPR training requirements of 46 CFR 11.201(i)(1).

Students in this class learn the principles and techniques of safety and basic first aid, and cardiopulmonary resuscitation (CPR) according to the nationally accepted standards.

**Prerequisites:**

No additional prerequisites

**Maritime Security Awareness**

SHLSOS-561

**Length of Course: 4 hours**

This course provides the knowledge required for all personnel who are not assigned specific duties in connection with a security plan but are involved in the work of ports, facilities, and vessels. Successful completion of this course will satisfy the requirements of 46 CFR 12.627(a)(1) and paragraphs 1-4 of Section A-Vi/6 and Table A-VI/6-1 of STCW Code, as amended 2010, for an STCW endorsement for Security Awareness.

**Prerequisites:**

No additional prerequisites

**Medical Care Provider**

SHLSOS-310

**Length of Course: 35 hours**

This course will satisfy the STCW Code Table A-VI/4-1; the competency requirements of 46 CFR 12.619(a)(2); and the Medical First-Aid Provider training requirements of 46 CFR 11.309(a)(4)(i), 11.317(a)(3)(i), 11.319(a)(4)(i), 11.329(a)(4)(i), 11.335(a)(3)(i), and 12.619(a)(1).

Topics include a review of cardiac and airway management, rescuer safety, body structure, examining trauma victims and medical patients, treating head and spinal

injuries, burns, musculoskeletal injuries, and rescued persons. Also included are obtaining radio medical advice, administering medication, and sterilization techniques.

**Prerequisites:**

Must be rated

**Personal Safety & Social Responsibilities**

SHLSOS-359

**Length of Course: 4 hours**

This course is part of the BT classes and satisfies the Personal Safety & Social Responsibilities competency and training requirements of Table A-VI/1-4 of the STCW Code 2010 as amended and 46 CFR 10.302(a)(4) and 12.602(a)(4). This course will also satisfy the renewal requirements for PSSR under STCW Section A-VI/1, as amended.

This course familiarizes students with the fundamental knowledge and skills of basic shipboard safety, social interactions, communication, and sexual harassment as necessary for employment aboard deep-sea vessels. This is accomplished through classroom lectures.

**Prerequisites:**

No additional prerequisites

**Personal Survival Techniques**

SHLSOS-363

**Length of Course: 12 hours**

This course is part of the BT classes and satisfies 1) PST competency and training requirements of A-V/1 and Table A-V/1-1 of STCW as amended; 2) continued competency requirements of 46 CFR 11.302(b) and 12.602(b) and requirements of A-V/1 and Table A-V/1-1 of STCW as amended; 3) renewal requirements of 46 CFR 11.302(e) and 12.602(e) for renewal of PST; and 4) continued competency requirements of 46 CFR 12.613(b)(3) for renewal of PSC provided there is documented 1 year of sea svc in the last 5 years.

Topics include: Planning Ahead, Station Bill, Lifeboats, Inflatable Liferrafts, Personal Life Saving Equipment, Survival at Sea, Signaling, Rescue Procedures, and Abandoning Ship.

**Prerequisites:**

No additional prerequisites

**Social Responsibilities**

SHLSOS-465

**2 Credits**

**Length of Course: 25 hours**

This course is part of the UA Program and satisfies the Personal Safety & Social Responsibilities competencies to comply with emergency procedures, take precautions to prevent pollution of the marine environment and observe safe working practices of Table A-VI/1-4 of the STCW Code, as amended, and 46 CFR 11.302(a)(4).

**Prerequisites:**

No additional prerequisites

**Vessel Personnel with Designated Security Duties (VPDSD)**

SHLSOS-747

**Length of Course: 7.5 hours**

This course satisfies the training requirements of 46 CFR 12.625(a)(1) and the STCW Table A-VI/6-2 for an STCW endorsement as Vessel Personnel with Designated Security Duties.

**Prerequisites:**

No additional prerequisites

**Vessel Security Officer**

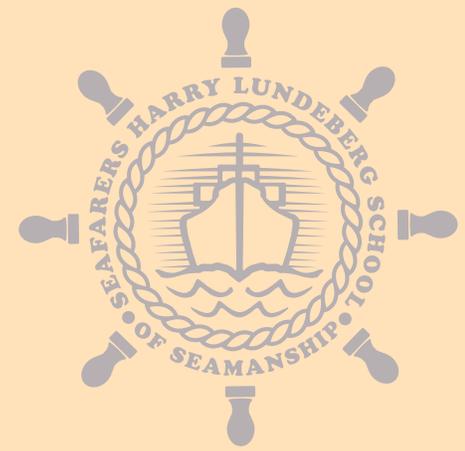
SHLSOS-573

**Length of Course: 14 hours**

This course satisfies the training requirements 33 CFR 104.215(d)(1)(iv) and STCW Code Section A-VI/5 for an STCW endorsement as Vessel Security Officer.

**Prerequisites:**

No additional prerequisites



## Tanker Courses

### Tank Barge Dangerous Liquids

SHLSOS-491

#### **Length of Course: 38 hours**

This course satisfies the training requirements of 46 CFR 13.309 for an endorsement as Tankerman-PIC (Barge); AND satisfies the training requirements of 46 CFR 10.227(d)(8)(C) for renewal of a merchant mariner credential endorsed as Tankerman PIC (Barge Dangerous Liquids).

#### **Prerequisites:**

Basic Fire Fighting, Tankerman Assistant Endorsement

### Tank Ship Familiarization (Dangerous Liquids)

SHLSOS-505

#### **Length of Course: 34.5 hours**

This course satisfies the training requirements of 46 CFR 13.401(e)(1) for an original endorsement as Tankerman-Assistant DL; and satisfies the tanker familiarization training requirements of 46 CFR 13.609(a)(2) and Table A-V/1-1-1 of the STCW Code 2010, as amended for an endorsement for Basic Oil and Chemical Tanker Cargo Operations.

#### **Prerequisites:**

Basic Fire Fighting within 5 years



### Tank Ship Familiarization (Liquefied Gases)

SHLSOS-507

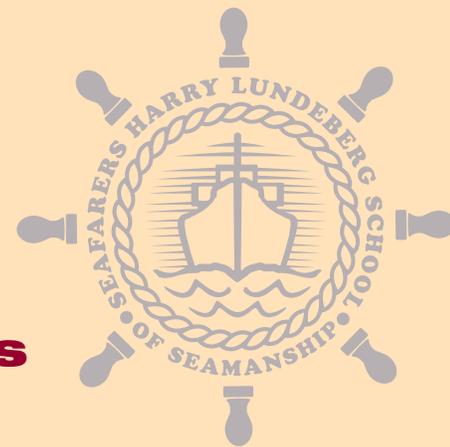
#### **Length of Course: 34 hours**

This course satisfies the course requirements of 46 CFR 13.401(e)(1) for an endorsement as Tankerman-Assistant LG; AND the requirements of 46 CFR 13.611 (a)(2) and STCW Code Table A-V/1-2-1 for an endorsement for Basic Liquefied Gas Tanker Cargo Operations.

The course of instruction includes LNG firefighting, confined space awareness, LNG nomenclature, LNG ship operations, personal safety, LNG safety, hazardous material, LNG cargo tank (level indicators, temperature), LNG cargo pump (Carter pump construction and operations), inert gas generator (general flow system), nitrogen gas system, LNG vapor compressor, warm-up heater and boil-off heater.

#### **Prerequisites:**

Basic or Advanced Firefighting within 5 years, must be rated



## Military Sealift Command Courses



### Government Vessels

#### *Length of Course: 5 days*

This week includes the following courses: Shipboard Helo Firefighting, Marine Environmental Awareness, Damage Control, and Chemical, Biological, Radiological—Defense (CBR-D). See below for course descriptions. This 1 week of training is required of all students in the UA program during Phase 3.

### Marine Environmental Awareness

#### *Length of Course: 2 Hours*

This course is designed as a module of the SHLSS Government Vessels Training Program; however, the course can also be used independently. The purpose of the Marine Environment course is to provide the student with an understanding of environmental protection, which includes MSC policies regarding compliance with regulations, pollution prevention, and spill conservation response readiness.

#### **Prerequisites:**

No additional prerequisites

### Damage Control

#### *Length of Course: 2 days*

This course is a module of the SHLSS Government Vessels Training Program and can also be utilized independently. The course provides the student understanding of the specific objectives of damage control and the knowledge and practical experience required for effective damage control operations. This is accomplished through classroom lecture and practical exercises.

#### **Prerequisites:**

No additional prerequisites

### Chemical, Biological, Radiological Defense (CBR-D) Orientation

#### *Length of Course: 2 days*

Students successfully completing this course will understand the triad of CBR survivability measures—equipment, detection, and decontamination—that must be taken to protect their ship and the crew. The primary focus of this course is the knowledge of Personal Protection Equipment, with an emphasis on survivability of the individual and the ship, and to impart confidence in their ability to survive and work in a contaminated environment for the rapid restoration of mission.

#### **Prerequisites:**

No additional prerequisites



## MSC Individual Small Arms Training and Qualification Course

### ***Length of Course: 40 hours***

This course meets the standards and content of OPNAVINST 3591.1 Series, Small Arms Training and Qualification and Course. The purpose of MSC's Individual Small Arms Training and Qualification Course is to provide CIVMARs, CONMARs, and shipboard contract security personnel with the knowledge, skills and abilities to safely, responsibly and effectively employ small arms in individual and unit self-defense of Department of Defense assets to the standards set by the Office of the Chief of Naval Operations and the Commander, Military Sealift Command.

### **Prerequisites:**

MSC Security Watchstander Basic and Advanced

## MSC Security Watchstander—Advanced

This course is recognized as meeting the Military Sealift Command's standard and content for MSC's Security Watchstander Advanced course and meets the Dept of Defense Interservice nonlethal Individual Weapons Instructor course standards for Baton and Mechanical Advantage Control Holds.

### **Prerequisites:**

MSC Security Watchstander Basic

## MSC Security Watchstander—Basic

This course is recognized as meeting the Military Sealift Command's standard and content for MSC's Security Watchstander Basic course and is in line with the U.S. Navy's Center for Security Forces Tactics, Techniques and Procedures.

### **Prerequisites:**

No additional prerequisites

## Shipboard Helicopter Firefighting Team Member

### ***Length of Course: 1 day***

This course provides tailored team training for mariners who may serve as a member of a ship's flight deck organization. Topics covered are helicopter nomenclature and hazards associated with helicopter operations, classes of fire, personal protective equipment, flight deck firefighting equipment, helicopter pilot, crew and passenger rescue procedures, helicopter fire suppression and extinguishment procedures and techniques. Students drill and are assessed in the procedures and techniques of pilot rescue and helicopter fire suppression and extinguishment.

### **Prerequisites:**

No additional prerequisites

The Academic Department has a long history of providing support and services to students at SHLSS. Since the founding of the school in Piney Point, Md., there has been academic support for students taking vocational programs. A variety of opportunities are offered to all students. Specific questions about the programs can be answered by contacting the Academic Department at (301) 994-0010, ext. 5411

### **General Education Development (GED) Program—Maryland High School Diploma**

The GED program is open to all mariners who do not have a high school diploma. Assistance is offered to prepare students to take the new computer-based GED test in Maryland or in their home state. Emphasis is placed on writing skills, social studies, science, interpreting literature and art, and mathematics. GED students receive individualized instruction in preparation for the test. The school for many years has successfully prepared mariners to pass the test. For many students, this is a milestone in their lives. Successful students will receive a Maryland High School Diploma upon completion of this program. (A 12-week residency is required prior to taking the test in Maryland.)

### **Basic Vocational Support Program**

The vocational support system assists students in improving course-specific vocational language and mathematical skills. It is designed to augment the skills introduced in their vocational training classes. This program may be taken prior to attending the vocational class or concurrently with the vocational class. It is ideal for students who have been away from the class room and may need to improve basic academic skills.

### **Associate of Applied Science Degree—Maritime Operations Technology**

The Seafarers Harry Lundeberg School of Seamanship has partnered with the College of Southern Maryland (CSM) to offer an Associate of Applied Science degree program in Maritime Operations Technology with a concentration in either Nautical Science (deck department students) or Marine Engineering (engine department students).

Students must complete a combination of required academic general education courses and vocational technical education courses in order to earn the degree. CSM will provide all of the general education courses and SHLSS will provide all of the technical courses required for the degree. All of the SHLSS technical courses have been evaluated and recommended for college credit by the American Council on Education (ACE)

Resident general education courses in English, Mathematics, and Physics taught by CSM faculty will be offered at SHLSS once each quarter for a three week period. The remaining general education courses can be completed on line.

Transfer credits from an accredited college or university will be evaluated on a case by case basis by CSM for application to the associate degree program. Courses recommended for credit by the American Council on Education (ACE) may qualify.

Upon successful completion of all requirements, students will be awarded the degree of Associate of Applied Science from CSM.

The College of Southern Maryland is fully accredited by the Middle States Commission on Higher Education. All general education courses completed during this program are fully transferable to other public colleges and universities in the state of Maryland.

## General Admission Requirements

Applicants interested in pursuing an Associate of Applied Science degree through the Seafarers Harry Lundeberg School of Seamanship must first meet these minimal requirements for admission to the College of Southern Maryland. Go to [www.csm.edu/apply-register](http://www.csm.edu/apply-register) for more detailed information.

Applicants must have completed all of the required SHLSS technical courses before applying for the program. At this time, the program is only offered to graduates of the Unlicensed Apprentice program, or the former Entry Rating program.

All applicants must be members of the Seafarers International Union, and meet all of the basic admission requirements for Paul Hall Center resident courses.

Applicant must possess a bona fide high school diploma or GED certificate.

These requirements assure that applicants have the preliminary writing and comprehension skills needed to perform college level work and to assure personal success in this higher education program. Students not meeting the academic requirements for admission are encouraged to enroll in remedial academic courses offered at a local college or university in order to prepare for college work. These remedial courses are non-credit and are designed to teach the skills necessary to be successful at the college level.

## Course Requirements

### 1. Resident CSM general education courses taught by CSM faculty and convening at SHLSS:

		Credits
ENG 1010	<b>Composition and Rhetoric</b>	3
MTH 1011	<b>Mathematics for Technologies I</b>	4
MTH 1012	<b>Mathematics for Technologies II</b>	3
PHY 1010	<b>Fundamentals of Physics</b>	3
PHY 1010L	<b>Fundamentals of Physics Lab</b>	1

### 2. On-line CSM general education courses:

		Credits
COM 1350	<b>Intercultural Communication</b>	3
COM 1450	<b>Groups, Teams, and Leadership</b>	3
POL 2020	<b>International Relations</b>	3
MUS 1204	<b>History of Rock Music</b>	3
PHY 1020/L	<b>Fundamentals of Physics II plus Lab</b>	4
	Or	
ELT 1015	<b>Basic Electronics</b>	4

### 3. SHLSS Vocational courses required:

<b>NAUTICAL SCIENCE CONCENTRATION</b>		Credits
FSM 103	<b>Galley Familiarization</b>	1
HTS 102	<b>Basic Firefighting</b>	2
HTS 103	<b>First Aid/ CPR</b>	1
MST 102	<b>Water Survival</b>	2
NST 101	<b>Vessel Familiarization</b>	2
NST 105	<b>Vessel Maintenance &amp; Operations</b>	2
PED 101	<b>Physical Education</b>	1
NST 220	<b>RFPW/Specially Trained OS</b>	3
NST 223	<b>Able Seafarer Deck/AB</b>	4
MST 104	<b>Tanker Familiarization</b>	3
NST 231	<b>Radar Observer Unlimited</b>	2
NST 249	<b>Automatic Radar Plotting Aids</b>	1
HTS 104	<b>Basic/Advanced Fire Fighting</b>	2
NST 236	<b>Global Maritime Distress and Safety System</b>	2
NST 238	<b>Electronic Chart Display And Info System</b>	2
	<b>TOTAL</b>	32

<b>MARINE ENGINEERING CONCENTRATION</b>		Credits
FSM 101	<b>Shipboard Sanitation</b>	1
FSM 103	<b>Galley Familiarization</b>	1
HTS 102	<b>Basic Firefighting</b>	2
MST 102	<b>Water Survival</b>	2
NST 101	<b>Vessel Familiarization</b>	2
NST 105	<b>Vessel Maintenance and Operations</b>	2
MTE 231	<b>Fireman/Oiler/Watertender</b>	12
MTE 340	<b>Junior Engineer</b>	9
MST 104	<b>Tanker Familiarization</b>	3
	<b>TOTAL</b>	34

Please contact the SHLSS Academic Coordinator for more detailed information at (301) 994-0010 ext. 5411, or [drausch@seafarers.org](mailto:drausch@seafarers.org).

## Thomas Orzechowski

*Acting Vice President*

## Margaret Bowen

*Trust Administrator*

## Bart Rogers

*Assistant Vice President*



### DIRECTOR OF VOCATIONAL TRAINING AND EDUCATION

#### Labanowski, Priscilla

B.S., Economics, St. Mary's College, MD. U.S. Coast Guard; Mariner Credentialing Agent certification; Director of Admissions, Assistant Director of Education, U.S. Coast Guard Liaison.

### INSTRUCTIONAL/CURRICULUM COORDINATOR

#### Szepesi, Monica

B.S., Human Resources Management, University of Phoenix. 8 years professional experience in human resources, payroll, benefits, and personnel management. Qualified Internal auditor.

### CURRICULUM DEVELOPMENT

#### Quade, Brittany

B.A. Communication Studies, University of Maryland: University College. 10 years' experience in federal policy and technical writing. Train the Trainer. Qualified internal auditor.

#### Wiegman, Sara

3 years' experience in the maritime industry including the shipping and curriculum departments.

### DECK DEPARTMENT

#### Bader, Terry

Graduate of SHLSS Entry program 1978. Able Seaman Unlimited. Master of Freight and Towing Vessels NMT 1600 GRT Oceans, 3rd Mate Steam and Motor Vessels Unlimited Oceans. 38+ years experience on a variety of deep sea and towing vessels. Train the Trainer.

#### Beck, Stan

U.S. Navy: E-8, Senior Chief Boatswains Mate, Underway; Replenishment-16 years; Combat Logistics Force Instructor, Material Handling Equipment, Crane Weight Test Director, 15 Ton Crane, Elevator Testing, Experience with 10 ton Booms, Department Supervisor and Trainer; Educational Training: Steam School, Repair Locker Leader, Firefighting, Ship Security Engagement Tactics, Oil Pollution Control, Crane Operator, Elevator Operator; Fork Truck Operator, Explosives, Craftmaster for 85-500 Ton Vessels, Helicopter Crash and Salvage Scene Leader, LSE Qualified, Chemical Biological Radiological Defense Officer; UNREP Instructor; Seafarers Harry Lundeberg School: Small Arms Instructor, Vessel Operations, Vessel Familiarization,

Damage Control, Basic Safety Training (STCW), Lifeguard, Fast Rescue Craft Instructor; Certificates: Fast Rescue Boat, Specially Trained Ordinary Seaman, Able Seaman, Lifeboatman, Lifeguard; Train The Trainer; USCG approved Instructor.

## Fagan, Susan

State University of New York Maritime College: BS Marine Transportation 2001. USCG 3rd Mate Unlimited license; ARPA, BRM, BST, Small Arms, GMDSS, Basic dynamic Positioning, 7 years underway service aboard inspected commercial vessels. TRANSAS bridge simulator course instructor and certified for Type Specific ECDIS Training. Det Norski Veritas; qualified internal auditor, U.S. Coast Guard approved Instructor.

## Grooms, Welton

USN Retired. Served as Boatswains Mate and crew leader on a variety of U.S. Naval vessels and shore assignments. 20+ years underway time. Train the Trainer.

## Hix, Dominic

Quartermaster in U.S. Navy from 1985 to 1994, senior QM: Assistant Navigator from 1994 to 1996 and, Quartermaster in the U.S. Coast Guard from 1999 to 2003. USCG licensed Master 100 ton with Towing Endorsement; Mate 200 ton with Towing Endorsement; Lifeboatman; Able Seaman; Tankerman PIC—Barge for Dangerous Liquids and chemicals. 33+ years' experience on a variety of deep sea and towing vessels. Train the Trainer, USCG approved Instructor.

## Luhn, Peter

Master of self-propelled vessels of Unlimited Tonnage upon Oceans. 28+ years' underway time. OICNW, Able Seafarer Deck, RFPNW, PSC, Medical First Aid Provider, Medical PIC, Adv. Firefighting, GMDSS, VSO, VPDSD, MSA, Radar Observer, ARPA, Lifeboatman, Able Seaman-Unlimited, Train the Trainer, USCG approved Instructor.

## Moore, Brian

B.S. Liberty University, Business and Information Systems Management. Master NMT 100 GRT Oceans. USCG retired. Commanding Officer and deck force leadership positions on numerous Coast Guard cutters and stations performing a variety of CG missions. Train the Trainer.

## Noell, Charles III

Graduate of SHLSS Entry Program, 1983. USCG License: Master of Steam and Motor Vessels NMT 1600 tons, Second Mate of Steam and Motor Vessels, Unlimited tonnage. 30 years



experience as licensed deck officer. Train the Trainer. U.S. Coast Guard approved instructor.

## Parker, Jaime

Able Seaman Unlimited. Graduate of SHLSS Unlicensed Apprenticeship Program. 12+ years' experience working in the deck department of numerous deep sea vessels. Train the Trainer. USCG approved Instructor.

## Schoenberger, Patrick

B.S. Marine Operations and Technology, U.S. Merchant Marine Academy, 1998; USCG Unlimited Third Mate, Oceans, Master 200 tons, Qualified member of the Engine Department (QMED). U.S. Navy Reserve Officer; Over 8 years deep sea shipping experience, plus several years' professional experience managing and operating recreational yachts; USCG Approved Instructor.

## Terry, Sean

Served 4 years in the U.S. Navy followed by 7 years in the U.S. Coast Guard, as a Petty Officer 1st class, specializing in Search and Rescue Operations. Able Seafarer Deck, RFPNW, PSC, Medical First Aid Provider, Adv. Firefighting, VSO, VPDSD, Lifeboatman, Train the Trainer, USCG approved Instructor.

## Truitt, Thomas D.

U.S. Navy; Train the Trainer, 2006; American Military University System, certificate in Homeland Security, 2006; CBRD MSC course; Chief Petty Officer Naval Leadership; hazardous Material Control Management Technician (NEC-9595); Ships Self Defense Course; Leadership Development Program; Qualified Second Class Swimmer; 5-50 ton crane (nuclear weapons qualified); Underway replenishment; Respiratory protection manager; small boat operator; Gravity Davit operator, Slewing-Arm Davit operator, oil spill response coordinator; forklift operator; Material Handlin Equipment

operator, Flight Deck Safety Officer, Helicopter Landing Signalman (LSE); Repair Locker leader. USCG approved instructor: MSC Government Vessels; Vertical Replenishment (VERTREP); Underway Replenishment (UNREP), Environment Awareness, Damage Control; Vessel Familiarization; Vessel Operation and Maintenance; Water Survival, Lifeboatman, Fast Rescue; Basic Safety (STCW), Safety and Social Responsibilities, Helicopter Firefighting Instructor, RFPNW / Specially Trained Ordinary Seaman;, RFPNW / Able Seaman, Able Seafarer—Deck. USCG approved instructor

## ENGINE DEPARTMENT

### Adamson, Keith

Engineman, U.S. Navy; 20 years' service supervising and maintaining a wide range of propulsion and auxiliary engineering systems, Train the Trainer, U.S. Coast Guard approved instructor.

### Cox, Sterling

B.S. Geography, Florida State University 2005. Graduate of SHLSS Unlicensed Apprentice Program 2005. QMED, Marine Electrician. Train the Trainer.

### Dome, Glenn

Chief Engineer OSV, Unlimited. 20+ years experience as licensed engineer aboard offshore supply, survey, towing, and other oilfield support vessels.

### Dodd, William

A.A. Business Management, Daytona Beach Community College, B.S. Professional Aeronautics, Embry Riddle Aeronautical University. Chief Engineer of Motor or Gas Turbine Vessels of any horsepower, Chief Engineer, OSV any horsepower. 2nd Assistant Engineer of Motor Vessels of any Horsepower. Train the Trainer.

### Hershock, Patricia

Chief Engineer Unlimited, 30 years maritime experience with extensive experience on commercial towing vessels. Engineman Second Class, US Navy.

### Morgan, Christopher

B.S., Norfolk State University Marine Engineering, Naval Postgraduate School. USN retired, 40+ years experience in engineering leadership positions aboard numerous U.S. Naval vessels employing a multitude of propulsion and auxiliary operating systems. Train the Trainer.

### Raley, Christopher

St. Mary's County Technical Center Welding program, honor graduate; Over 28 years' experience as field welder and mechanic, Safety Director, Site Manager and Shop Foreman at several welding firms. MIG, TIG, Heliarc certified. Extensive continuing education in industrial worksite and shop safety from OTI Continuing Education Center, Maryland Occupational Safety and Health Administration, U.S. Occupational Safety and Health Administration (OSHA) and College of Southern Maryland. OSHA certified instructor; USCG Approved Instructor.

### Vicknair, Mark

Chief Engineer, Offshore Supply Vessels. QMED Unlimited. 20 years experience on various offshore supply, survey and oilfield support vessels. Train the Trainer.

### Wiegman, John C. III

U.S. Navy – Propulsion and Auxiliary Control Console Operator Training, Gas Turbine Electrical, Class A Advanced Damage Control School; Train the Trainer Course; Welding training; HAXWOPER training; USCG approved instructor.

## STEWARD DEPARTMENT

## COORDINATOR OF FOOD SERVICE AND CULINARY INSTRUCTION

### Hetmanski, John

Baltimore International Culinary College: Chef Instructor; American Culinary Federation (A.C.F.) Certified Executive Chef, Certified Working Chef; Bon Appetit Management Corporation: Executive Chef; Martins Catering Inc.: Chef DeCuisine; Commercial Fishing-Otanka Corp, Mid-Atlantic Region; President, Seafarers Chapter, American Culinary Federation. Train the Trainer Course.

### Dobson, John

A.A., Baltimore International Culinary Arts Institute, 1985; Certification: ServSafe, Journeyman Meat Cutter; National Restaurant Association: Foodservice Management Professional, Certified ServSafe Instructor; Executive Chef: Tom and Terry's Restaurant Fenwick Island Delaware; Train the Trainer Course Vice President Seafarers' Chapter American Culinary Federation; Member: American Culinary Federation.

## Fish, Brandice

High School Diploma; Culinary Arts, 5+ years experience in institutional food service

## Gelrud, Paul

University of Maryland: Business and Marketing Degree; Chef/Owner: Cedar Cove Restaurant, Stop, Look, and Listen Video, Showtime Catering; 35 years' experience as Owner, Caterer, and Chef; Blood borne Pathogens; Train the Trainer Course Member: American Culinary Federation ServSafe Management Certificate.

## Dyson, Hillary

A.A.S. Baking and Pastry Arts, Pennsylvania College of Technology, 2013; Culinary Arts Management, James A. Forrester Career and Technology Center, 2011; Certifications: ServSafe Instructor/Proctor, ServSafe Food Protection Manager, ServSafe Allergens, CPR/AED/First Aid, NOCTI: Retail Commercial Baking, ACF Certified Pastry Culinarian; Certified ServSafe Proctor and Instructor. Instructor at Harry Lundeberg School of Seamanship, 2017–Present

## Johnson, Robert

U.S. Navy: E-5, Navy Culinary Academy, Dining Room Operations and Advanced Culinary Preparations, Line Cook- Baker; Lead Cook, Mess Management Specialist "A" School, Mess Management Specialist "C" School, Private Mess Operations/Advanced Mess Operations; Royal Princess Cruises: Chef/Assistant Food and Beverage Manager; Sheraton Hotel: Culinary Internship Program; Liquor Management School; United States Lines/American Hawaiian Cruises: Chief Baker; Intrepid Ship Management Inc.: Chief Cook; DynMarine Services: Chief Steward; Seafarers Harry Lundeberg School of Seamanship: Certified Chief Cook, Chief Steward, ServSafe, Water Survival, Basic Safety Training, Basic Firefighting, Crowd Control Management, Tanker Assistant Cargo DL; ACF Certification: Sanitation Course, Management Course; 22 year's experience in the culinary industry: Train the Trainer Course.

## Owens, Bryan, B.A.

Business Administration. Towson University. A.O.S. Culinary Arts Culinary Institute of America. 5+ years professional restaurant experience as Line Cook and Chef. Train the Trainer.

## Sunga, Jesse

21 years service as Certified Chief Cook and Chief Steward aboard contracted deep sea ships. Train the trainer.

## HEALTH AND SAFETY

### FIRE AND SAFETY COORDINATOR

## Johnson, Leonard Wayne, Jr.

Washington University School of Medicine / IHM Academy of EMS, St. Louis, MO.—Nationally Registered Paramedic, 2010: St. Louis County Fire Academy, St. Louis, MO.—Certified Professional Firefighter, 2009. Skills and Certification: IFSAC Firefighter II; University of Maryland Fire and Rescue Institute—HAZMAT Technician, Fire Inspector I, Fire Officer II, Fire Service Instructor III, Aircraft Rescue Fire Fighter, Rescue Technician—Confined Space Rescuer I, II, Rescue Technician—Swift Water Rescue Technician I, II, Emergency Vehicle Operator, Live Fire Instructor, NFPA 1403, Pump Operator, Aerial Apparatus Operator, NREMT Paramedic; American Heart Association - Pediatric Advanced Life Support Provider, Advanced Cardiovascular Life Support Provider, National Association of EMS—Pre-Hospital Trauma Life Support Provider, CPR Instructor, FEMA—NIMS IS 100, 200, 700, 800, 907, Military Sealift Command -Shipboard Helicopter Fire-fighting (NAVAI 00-80R-14), MSC Small Arms Instructor, Chemical, Biological, Radiological Defense Officer, Ship's Reaction Force, Life Saving Award—2015, Fire fighter of the Year Award—2016, USCG Approved Instructor

## Fusco, Kenneth F.

A.A.S., B.S. Columbia Southern University, Fire Science, Occupational Safety and Health: Certified Emergency Medical Technician, Assistant Fire Chief, Prince Georges County, Maryland: 30+ years supervisory professional and military firefighting experience. U.S. Coast Guard approved instructor.

## Gallagher, John ED. D. (ABD), LCADC, MAC, SAP

Doctoral Candidate Counseling Psychology at Argosy University, M.A. Addictions, Rehabilitation and Psychological Counseling, LaSalle University; B.S. Biology, Drexel University; Minor: Psychology; CHI Sigma Iota, Argosy University; Licensed Clinical Alcohol and Drug Counselor (LCADC) Maryland Dept. of Mental Health and Hygiene, Board of Professional Counselors and Therapists; national Master Addictions Counselor (MAC) and federal Substance Abuse Professional (SAP) National Association Alcohol and Drug Addiction Counselors (NAADAC). Director Seafarers Addictions Rehabilitation Center – manages and trains clinical personnel in counseling protocol and group dynamics, case manager, clinical director, administrator, lecturer and therapist; experienced trainer for union personnel in OSHA HAZMAT, EPA, DOT, and U.S. Coast Guard Regulations; DOT return to duty and USCG alcohol and other drug regulations; educator and trainer in vocational, undergraduate and graduate level programs. Adjunct professor: Seafarers Harry Lundeberg School of Seamanship, College of Southern

Maryland, University of Maryland University Campus, and Argosy University. Affiliated/ member Seafarers International Union (SIU). Southern Maryland Psychological Association (SMPA), National Association of Alcohol and Drug Addiction Counselors (NAADAC), National Honor Society for Psychology, Menenergy, Counseling Academic and Professional Honor Society International, and multiple divisions of the American Counseling Association (ACA).

## **Hammett, Christopher**

Captain—Naval District Washington Fire Department. Skills and Certification: University of Maryland Fire and Rescue Institute—Firefighter III, Fire Officer III, Emergency Medical Technician, Fire Department Safety Officer, Emergency Vehicle Operator, Fire Inspector II, Rescue Technician, Pump Operator, Arson investigation for Officers, Fire Instructor I, Breathing Apparatus Specialist, HAZMAT Incident Commander, Rescue Technician—Vehicle and Machinery Extrication, FEMA—NIMS IS 100, 200, 700, Aircraft Rescue Firefighter, Life Saving Award—2011, NAS Bravo Zulu Award—2014, USCG Approved Instructor.

## **Joy, Gary**

Maryland Fire and Rescue Institute – College Park, MD; Certified Maryland Emergency Medical Technician since 1978; Maryland Instructor Certification Review Board - Certified as a Level II Emergency Services Instructor 1980; National Academy for Nuclear Training - Certified Instructor 2004; American Red Cross - CPR/First Aid Instructor. U.S. Coast Guard approved instructor.

## **Latham, Charles**

Numerous Maryland Fire and Rescue Institute certifications including Emergency Medical Technician, Fire Service Instructor 1, Fire Service Officer 1, Fire Apparatus Driver Operator. 15 years experience as professional Federal Firefighter.

## **Martin, Daniel**

Firefighter—Naval District Washington Fire Department. Captain—Bay District Volunteer Fire Department—Previous ranks held—Fire Sergeant. Skills and Certifications: University of Maryland Fire and Rescue Institute—Firefighter II, Fire Officer II, Fire Services Instructor II, NFPA 1403, HAZMAT Technician, Emergency Vehicle Operator, Rescue Technician—Vehicle and Machinery Extrication, Pump Operator, Aircraft Rescue Firefighter, Emergency Medical Technician, FEMA NIMS 100, 200, 700, 800, Fire Department Safety Officer, Aerial Apparatus Operator, Crash Driver Operator, Train the trainer—2017, Rookie Firefighter of the Year—2009, USCG Approved Instructor.

## **Roberts, Michael R.**

Maryland Fire and Rescue Institute, National Fire Academy, Fire and Rescue Department- Patuxent Naval Air Station, Haztrain, Inc., American Heart Association, University of Maryland; Training: Maryland Fire and Rescue Institute, National Fire Academy/ Emergency Management Institute, Human Resource Department and Department of Navy Patuxent River, Fire and Emergency Services Naval Air Station Patuxent Fire Department, Joseph Sacco Firefighting School; Maryland Fire and Rescue Institute Instructor, Charles County Community College Fire Science Technology. Certifications - Maryland: Firefighter I and II, Fire Officer I, II, III, Fire Service Instructor I, Fire Inspector I, Hazardous Materials Technician, Hazardous Material Incident Commander, Fire Service Instructor II and III. Certification - National: Firefighter I, II, Fire Officer I, II, III, Fire Service Instructor I, Fire Inspector I, Hazardous Material Technician, Hazardous Material Incident Commander, Fire Service Instructor III. Certification - Department of Defense: Fire Officer I, II, III, Fire Instructor I, Airport Firefighter, Fire Inspector I, Hazardous Materials Incident Commander, Hazardous Material Technician, Fire Service Instructor II, Fire Service Instructor III; Approved Instructor- US Coast Guard: 30 hour Basic Firefighting, 16 hour Basic Firefighting, Advanced Firefighting, Elementary First Aid, and STCW Basic Safety Training and Refresher Training; Elementary First Aid, Fire Prevention and Firefighting, Medical Care Provider Instructor; USCG approved instructor.

## **Rogers, Matthew**

B.S. Criminal Justice, Centenary College of New Jersey. Firefighter/EMT—2nd District Volunteer Fire Department. St. Mary's County Sheriff's Deputy—10+ years of experience as a professional Law Enforcement Officer. Skills and Certifications: Numerous Law Enforcement Certifications, MSC Small Arms Instructor, MSC Shipboard Security Tactics—SRF Training, MSC Storekeeper Instructor University of Maryland Fire and Rescue Institute—Firefighter II, NFPA 1403, Emergency Medical Technician, First Aid/CPR Instructor, Train the Trainer, USCG Approved Instructor.

## **Sewell, Jermaine**

University of Phoenix—Associates Degree in Psychology—2015, Firefighter—Naval District Washington Fire Department. Retired Sergeant—US Army—Purple Heart Recipient—Combat Life Saver. Firefighter/EMT—Bay District Volunteer Fire Department—Previous ranks held—Fire Sergeant

Skills and Certification: University of Maryland Fire and Rescue Institute—Fire Fighter II, Emergency Medical Technician, Aircraft Rescue Fire Fighter, Fire Inspector I, Fire Officer II, Health and Safety Officer, Incident Safety Officer, Fire Instructor I, HAZMAT Technician, Recue Technician—Trench Rescue Operations, NFPA 1403, Pump Operator, Emergency Vehicle Operator, Recue

Technician, Iraq Campaign Ribbon, Global War on Terrorism Expeditionary Medal, Army Commendation Medal, National Defense Service Medal, USCG Approved Instructor.

## Springer, Robert

National Rifle Association: Small Arms Training, Range Safety Officer; SHLSS: Basic Firefighting; Train the Trainer (2003); USCG approved instructor.

## Thomas, John Robert

Firefighter/EMT—Bay District Volunteer Fire Department—Previous ranks held—Fire Lieutenant, Fire Sergeant. Skills and Certification: University of Maryland Fire and Rescue Institute—Firefighter II, Emergency Medical Technician, Fire Services Instructor III, Fire Officer II, Aircraft Rescue Firefighter, Rescue Technician—Confined Space Technical Rescuer I,II, Swift water Rescue Technician I,II, HAZMAT Technician, Pump Operator, NFPA 1403, Vehicle and Machinery technical Rescuer I/II, FEMA NIMS IS 100, 200, 700, 800, Oleoresin Capsicum Instructor, MSC Basic/Advanced Watch Stander Instructor, MSC Small Arms Instructor, Chemical, Biological, Radiological Defense Officer, MSC Shipboard Security Tactics—SRF Training, Level I Antiterrorism Awareness Training, BLS & Emergency Medical Response Level 7 Instructor, Train the Trainer, Life Saving Award—2002, 2004, 2015—USCG Approved Instructor.

## Yannayon, Glen W.

Supervisory Fire Captain, Fire Protection Inspector, Fire Fighter, Fire and Emergency Services Division, Naval Air Station, Patuxent River, MD Certifications: Fire Instructor levels I–III, Fire Officer I–IV, Fire Inspector I–III, Hazardous Material Incident Commander, Hazardous material Technician Level TE, Confined Space level AR, Driver/Operator Aerial Level AE, Pumper level PU, Mobile Water Supply, Airport Firefighter, Firefighter Level I–II.; Continuing Training and Education: Fire Arson Investigator, Fire Officer Level III–IV, Fire Inspector Level I, Fire Instructor Level II, Engine Company Fire Ground Operations, SCOTT Factory Level Maintenance & Overhaul Course, Emergency Medical Technician, Basic Wild Land Firefighting, Health and Safety Officer, Emergency Response to Terrorism, Fire Inspector Level III, Fire Inspector Level II, Quantitative Respirator Fit Testing Course, Incident Command System, Firefighter Health and Safety, Fire Instructor Level I, Fire Officer Level II, Respiratory Protection Standard Training, Rescue Technician, Save Our Own Seminar, Incident Safety Officer, Firefighter Safety and Survival, Aerial Apparatus Operator, Pump Operator, Fire Officer Level I, MSA Regulator Repair Training, Firefighter Level II, MSA Level II Repair Training, Hazardous Materials Technician, Emergency Vehicle Operators Course, Hazardous Materials Operations, Firefighter Level I, First Responder Basics, Fire Tactics, Basic Fire Program. Teaching Experience: Firefighting Orientation and Safety, Fire Behavior,

Building Construction, Personal Protective Equipment, Self-Contained Breathing Apparatus, Portable Extinguishers, Ropes and Knots, Rescue and Extraction, Forcible Entry, Ground ladders, Ventilation, Water Supply, Fire Hose, Fire Streams, Fire Suppression, Fire Detection Suppression and Alarm Systems, Salvage and Overhaul, Fire Cause Determination, Communications, Fire Prevention and Public Fire Protection, Hazardous materials, Emergency Medical Practices and Procedures, CPR and Automated External defibrillators (AED); USCG approved instructor.

## Zienda, Joseph W.

Maryland Fire and Rescue Institute, National Fire Academy, Fire and Rescue Department- Patuxent Naval Air Station, Haztrain, Inc., Infection Control/Emerging Concept Inc., American Red Cross, American Heart Association, University of Maryland; Training: Maryland Fire and Rescue Institute, National Fire Academy/ Emergency Management Institute, Human Resource Department and Department of Navy Patuxent River, Fire and Emergency Services Naval Air Station Patuxent Fire Department, Joseph Sacco Firefighting School; Certifications - Maryland: Firefighter I and II, Fire Officer I, Fire Service Instructor I, Fire Inspector I, Hazardous Materials Technician, Hazardous Material Incident Commander, Fire Service Instructor II and III; Certification - National: Firefighter I, II, Fire Officer I, Fire Service Instructor I, Fire Inspector I, Hazardous Material Technician, Hazardous Material Incident Commander, Fire Service Instructor III; Certification - Department of Defense: Fire Officer I, Fire Instructor I, Airport Firefighter, Fire Inspector I, Hazardous Materials Incident Commander, Hazardous Material Technician, Fire Service Instructor II, Fire Service Instructor III; Approved Instructor- US Coast Guard: 30 hour Basic Firefighting, 16 hour Basic Firefighting, Advanced Firefighting, Elementary First Aid, and STCW Basic Safety Training and Refresher Training; Social Responsibilities, Elementary First Aid, Fire Prevention and Firefighting; American Red Cross - Instructor Certificate: Instructor Candidate Training, CPR for Professional, Community First Aid and Safety, Workplace Training - Standard First Aid, American Red Cross Update, First Aid/CPR/AED Update. American Heart Association—Instructor Certificate: Basic Life Support Instructor, Basic Life Support Instructor Updated, AED/CPR Instructor Training; Train the Trainer. Course; USCG approved instructor.

## COMMANDANT, UNLICENSED APPRENTICE PROGRAM

## Guy, Craig

30+ years and continuing service in U.S. Army and Army National Guard, Platoon Sargent, Military Police. Deputy Sheriff, St. Mary's County Sheriff's Office. Instructor, Southern Maryland Criminal Justice Academy.

## MANPOWER/ASSISTANT VICE PRESIDENT

### Rogers, Bart

B.S. Major- Business, Minor- Physical Education, George Meany; Institute Labor Studies; William Patterson College; Monmouth College; Assistant Vice President, Seafarers Harry Lundeberg School of Seamanship; Director of Manpower.

## QUALITY STANDARDS SYSTEM COORDINATOR

### Loughran, Michael

B.A. History, St. Mary's College of Maryland; M.S. Human Resources Development, Towson University. Maryland State Department of Education Advanced Professional Certificate, Certification in Administration and Supervision. 40+ years' experience in St. Mary's County School system.

## ADMISSION AND STUDENT SERVICES DEPARTMENT

### Latham, Tracy

Director of Admissions. 11 years' experience as a professional Administrative Assistant and business officer manager. 4 years as a Special Education paraeducator in the St. Mary's County public school system.

## UNION EDUCATION

### Vandegrift, Patrick A.

U.S. Navy: Sonar "A" School, D.E.T. Digital Electronic Training, Sonar "C" School, Acoustic Analyst; Paul Hall Maritime Center: Unlicensed Apprentice Training Program, Able Seaman, LNG Certificate; Military Sealift Command: Firefighting, Damage Control, Small Arms Training; SHLSS Safety Team, CPR for the Professional, Certified Life Guard; Union Patrolman, Commandant: Unlicensed Apprentice Program; Welding and Sheet Metal Fabrication, Train the Trainer Course.

## ACADEMIC DEPARTMENT

### Densford, Margaret E.

B.A. Liberal Arts, The University of Texas at Austin; A.A., Liberal Arts, Schiller College; Post Graduate: Texas Tech, UM Baltimore County; University of Maryland: University College, Business Management; Member: Learning Disabilities Association; Train the Trainer Course

### Draper, Jeri

M.S., Management, B.S. Technology, University of Maryland University College. 20 years' experience in higher education administration. Also taught computer and business courses as an adjunct faculty member.

### Rausch, Dale M.

M.S., Management, Troy University; Trade and Industrial Teaching Certification, University of Maryland; B.A., History, St. Mary's College of Maryland. Graduate of Command and Staff Curriculum, U.S. Naval War College; USCG retired; USCG approved instructor.

### Senatore, Hanna

B.S. Communications, Towson University. 5 years' experience as Administrative Assistant in customer service management.

## LIBRARY SERVICES

### Smolek, Janice

M.S., Library Science, University of Tennessee; B.A., Library Science, University of Florida; Maryland State Advanced Professional Teaching Certificate; Educational Media Specialist.

## EDUCATION TECHNOLOGY

### Gieske, Harry

B.A., Communications, University of Dayton; A.A., Broadcast Technology, Montgomery College, Maryland; Summer Film School, International Film and Television Workshop; Train the Trainer.

## ARTS AND CRAFTS

### Walking-Heart, Cato

B.A. History, Greensboro College; B.F.A. (equiv.) Fine Arts, Greensboro College

## Employer Trustees

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# **Compliance Officers for the Seafarers Harry Lundeberg School of Seamanship**

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Acting Vice President

**Bart Rogers**  
Assistant Vice President

**Priscilla Labanowski**  
Director of Vocational Training and Education

The Seafarers Harry Lundeberg School of Seamanship is a private, non-profit, equal opportunity institution and admits students, who are otherwise qualified, of any race, nationality or sex. The School complies with applicable laws with respect to admission, access or treatment of students in its programs or activities.

This catalog is intended to be a fair summary of matters of interest to students. The catalog is not intended to be a complete statement for all procedures, policies, rules and regulations of the School. The School reserves the right to change, without notice, any academic or other requirements, course offerings, course contents, programs, procedures, policies, rules and regulations or requirements whether or not contained in this catalog. The student is responsible for meeting all requirements for certification or graduation.

Whenever the words he, his or him appear in this catalog, such references shall have equal application to students irrespective of sex and in no way represent sexual discrimination.

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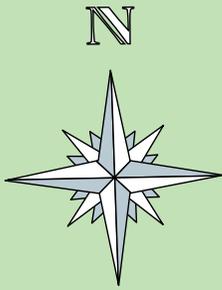
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**Baltimore  
MD**

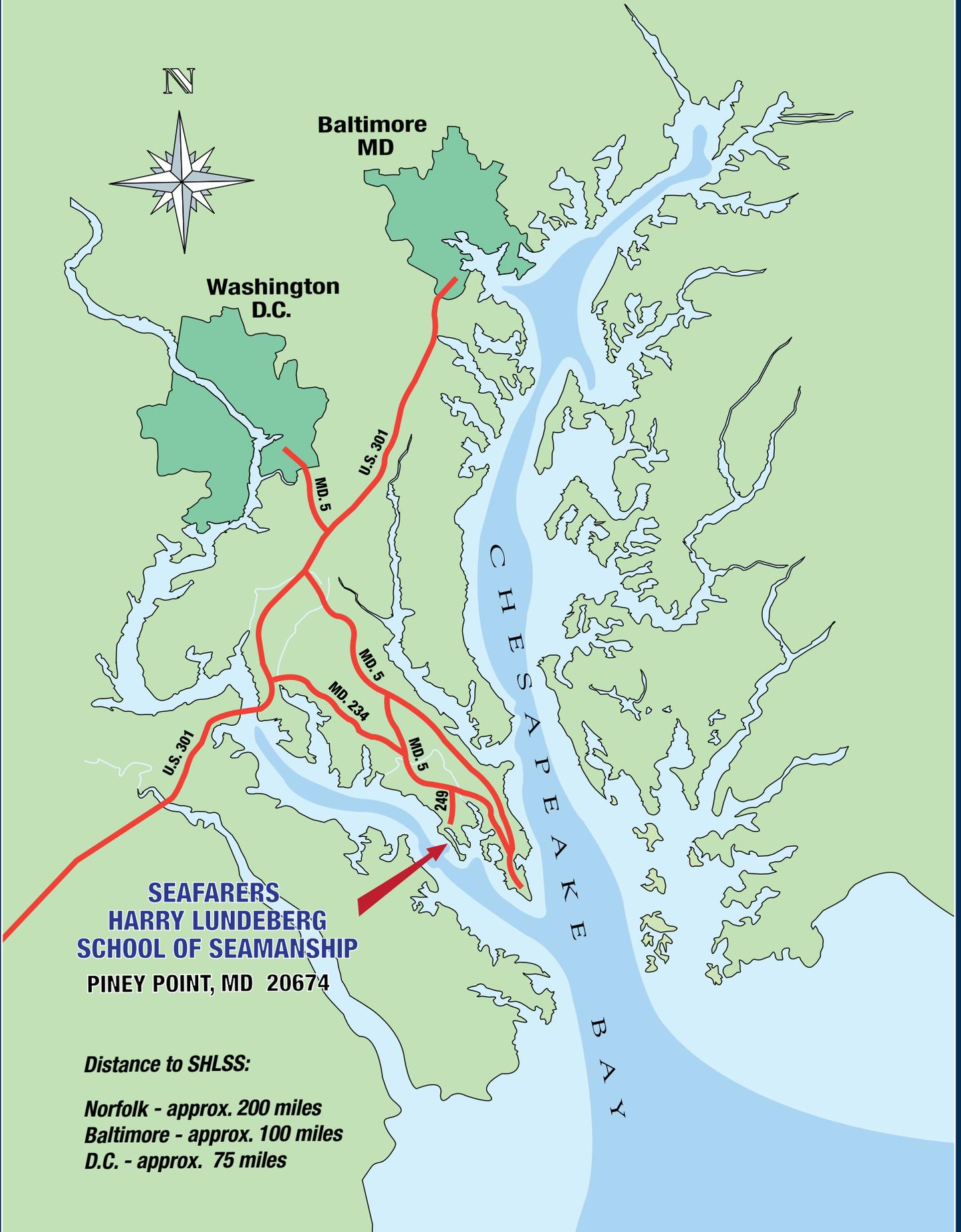
**Washington  
D.C.**

C H E S A P E A K E  
B A Y

**SEAFARERS  
HARRY LUNDEBERG  
SCHOOL OF SEAMANSHIP**  
PINEY POINT, MD 20674

***Distance to SHLSS:***

***Norfolk - approx. 200 miles  
Baltimore - approx. 100 miles  
D.C. - approx. 75 miles***





## LEGEND

1. Main Gate
2. Lindsey Williams Shiphandling Simulator and Bob McMillan Annex
3. Paul Drozak Building
4. Vocational Machine Shop
5. Charles Logan Building
6. Al Kerr Building Center
7. Purchasing Department
8. Supply Department
9. Storage
10. Joseph Sacco Fire Fighting School
11. Frank Mongelli Memorial Drive
12. Paul Hall Circle
13. PHC Valley Lee Farm
14. Seafarers Addiction Rehabilitation Center
15. Training Vessel
16. Arts and Crafts Center
17. Machine Shop
18. Lifeboat Training Davit
19. Fast Rescue Boat Davit
20. Waterfront Park
21. Fire House
22. Motor Pool
23. SHLSS Training and Recreation Center
24. Swimming Pool
25. Basketball Court
26. Paul Hall Library and Maritime Museum
27. Thomas Crowley, Sr. Center for Maritime Service
28. Port Agent's Office
29. Hotel Annex

# The Paul Hall Story

**P**aul Hall's amazing story begins in the tiny town of Inglenook, Alabama. His early years were marked by poverty. The son of a railroad engineer, Hall managed to get through eight years of schooling. His lack of education in no way deterred him from becoming one of the truly remarkable public speakers of our time. He was a self-made man in the best traditions of America.

Hall started shipping as a teenager in the very early '30s. He shipped mostly in the black gang as wiper and FOWT. He earned an Original 2nd Engineers license, but never sailed under it, choosing to stay with his unlicensed brothers.

He shipped throughout the '30s and into World War II. When the SIU was founded in 1938, Paul Hall was there with a small group of other seamen determined to block the East Coast seamen's movement from the very real threat of a take-over by card-carrying communist party members. He was very proud of his charter member book in the SIU, H-1.

His first official post in the union was as patrolman in the port of Baltimore in 1944. He rapidly moved up to become port agent in New York and then Director of Organizing for the SIU Atlantic and Gulf District, (AGLIWD). Then in 1947, at the age of 32, he became chief executive officer of the SIU-AGLIWD, and held this post until his death. Paul Hall led the SIU in the General Strike of 1947 when seamen won unprecedented gains in wages and conditions. He also keyed organizing breakthroughs for the SIU in bringing Isthmian Lines (125 ships) and Cities Service Tankers under the SIU banner. The Isthmian victory was the single largest organizing victory in the history of the deep-sea sailor's movement. Cities Service was the most notoriously anti-union company on the waterfront.

Paul Hall, through collective bargaining, also established for the SIU membership the Seafarers Welfare, Pension and Vacation Plans, which today provide SIU people with the best, most secure benefits in the industry.

In 1957, Paul Hall became president of the SIUNA, succeeding the late Harry Lundeberg, a post he held until his death. In the same year, he became president of the AFL-CIO Maritime Trades Department. When Hall took over the MTD, it was a struggling organization made up of only six small unions. He built it into the most active and effective political force in the family of the trade union movement. At his death, the MTD comprised 43 national and international unions representing nearly 8 million American workers.

Paul Hall was elected by his peers to the AFL-CIO Executive Council in 1962. When he died, he was senior vice president of the AFL-CIO and one of its most influential members.

Paul Hall's dream for American seamen was all inclusive. He wanted the best of everything for SIU members. He realized better than anyone that no one was going to hand it to the union on a silver platter. He fought continually at the bargaining table.

Nevertheless, Paul Hall wanted more than top pay and benefits for the SIU. He wanted SIU members to have an opportunity to advance. Paul Hall wanted young people to have the opportunity to take a crack at a career at sea.

This is why he established the Seafarers Harry Lundeberg School of Seamanship in Piney Point, Md. in 1967. Since then,

the school has developed into the finest maritime training school in the country. Thousands of SIU members have advanced their skills, and thousands of young people from deprived backgrounds have found employment and a chance in life because of the school.

The School is a living, thriving monument to Paul Hall's belief in education and his desire to see SIU members get a better shake in life.

The one thing Paul Hall understood better than anyone is that the future of the American merchant marine depends on the success of this organization in the political arena.

Under his leadership, the SIU became deeply involved in politics at a very early date. Paul Hall helped lobby through Congress the 50-50 Cargo Preference Act in 1954, which reserved for American ships at least 50 percent of all government-generated cargoes.

There were many political victories for Paul Hall, some big, some small. The biggest victory came with passage of the Merchant Marine Act of 1970, which gave the American maritime industry new life and a future when it appeared that the U.S. merchant marine might not survive the decade. He spearheaded the bill through Congress. Several U.S. Congressmen, in eulogies to him, entitled Paul Hall, "The Father of Modern American Merchant Marine."

Paul Hall was named to committees and commissions by Presidents Johnson, Ford, Nixon and Carter. He also received numerous awards for his contributions in and outside the labor movement.

## A Legend in His Time

Paul Hall was truly a legend in his time. From the famous Wall Street Beef of 1947 where Seafarers wearing white hats keyed a strike victory for financial workers, to the tremendous battles between Hall and Jimmy Hoffa's Teamsters Union, Paul Hall stood head and shoulders above his opposition. He reached out to help seamen of other nations. He was a key figure in developing trade union democracy for Canadian seamen. Toward the end of his career, Paul Hall was one of the most powerful men in the country. He hated fanfare and publicity. He preferred to work behind the scenes and let others take the credit.

But no matter how important he became, Paul Hall always preferred the company of seamen. He said time and time again that he would rather sit around a table "talking to a few of the boys" than sit in the Oval Office of the White House with the president of the United States. To the end, he supported the underdog.

Paul Hall never forgot where he came from. The SIU was his life. Seamen were his brothers. His long-term dream for the maritime labor movement was to have one union for unlicensed seamen and one union for licensed seamen. He was a tremendous proponent of merger and consolidation for strength. He believed deeply in the SIU motto, "Strength in Unity."

The Seafarers Harry Lundeberg School of Seamanship is dedicated to the memory of Paul Hall.







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