



ANCHORING DREAMS & PILOTING CAREERS

# THE LJM MARITIME ACADEMY

[WWW.LJMMA.EDU.BS](http://WWW.LJMMA.EDU.BS)

# THE ACADEMY

Named in honour of its founder, Mr. Lowell J. Mortimer, President of the Campbell Group of Companies, the LJM Maritime Academy (LJMMA) aims to be the leading tertiary-level maritime training institution in the region, producing outstanding and exceptional seafarers and industry leaders. The top quality education and training programmes offered at LJMMA will enable seafarers to exceed international industry standards and be well-equipped with essential theoretical knowledge and practical skills to compete as a maritime professional globally.



The \$30 million LJM Maritime Academy located on Maritime Cay, formerly Crystal Cay, consists of functionally designed spaces outfitted with cutting-edge technology, equipment and tools. The entire environment is designed to foster a culture of excellence and through the use of advanced simulations, workshops and laboratories, students receive an exceptional education and are well-trained to enter the global maritime sector.

## LJMMA FOUNDER



H.E. Lowell Jason Mortimer

His Excellency, Lowell Jason Mortimer (OBE) received his high school education at Western Junior School, Eastern Senior School and St. John's College, Nassau, Bahamas. He furthered his studies at St. Paul's College Lawrenceville, in Virginia, and Bethune Cookman College in Daytona Beach, Florida, attaining a Bachelor of Science degree.

He also studied at Temple University in Philadelphia, Pennsylvania and received a Barrister at Law degree from Lincoln's Inn School of Law, London, England. Mr. Mortimer has held several legal and academic positions, including Biology Teacher with the Ministry of Education, Partner at Cash, Fountain & Co., Acting Stipendiary & Circuit Magistrate, and Acting Registrar General.

Mr. Mortimer's contributions to academic, civic and community organizations are laudable. He has served as Chairman of the Copyright Royalty Tribunal and the Education Loan Authority, Co-Chairman of the National Scholarship Advisory Committee, and Member of The College of The Bahamas Council.

He has also represented The Bahamas in various capacities, including Honorary Consul General, for The Republic of Turkey to The Bahamas, President, for The Bahamas Association for the Mentally Retarded, Vice President/Director for The Bahamas AIDS Foundation, as well as Chairman for its Fundraising, Director/Secretary - Abilities Unlimited, and served in the Vestry - Christ Church Cathedral. He is the recipient of the Lady Sassoon Golden Heart Award, and was named, Distinguished Officer of The British Empire on the Queen's Birthday Honors List. He currently serves as the Non-resident Ambassador to India.

## LJMA PRESIDENT

The LJM Maritime Academy is led by veteran educator and higher education specialist, Dr. Brendamae Cleare, the Academy's President. Dr. Cleare, a LASPAU Scholar, served at the College of The Bahamas for thirty-seven (37) years, in various academic and senior administrative capacities, including Vice President, Academic Affairs and Dean, Pure and Applied Sciences.



Dr. Brendamae Cleare

## PROGRAMME STANDARDS | ACCREDITATION

The programmes follow the framework of model courses from the International Maritime Organization (IMO) and have been approved by the Bahamas Maritime Authority (BMA), the governing body in The Bahamas under the IMO and the International Labour Organization (ILO). Additionally, LJM Maritime Academy is registered under the Ministry of Education Science and Technology.

## OUR ACADEMIC PROGRAMMES

### CADET OFFICERS TRAINING

LJM Maritime Academy offers three (3) year programmes in two options leading to the award of a Diploma in Nautical Science or Marine Engineering.

At the end of the Diploma studies, cadets will sit examinations through the Bahamas Maritime Authority (BMA) for certification as an Officer in Charge of a Navigational Watch (STCW regulation II/1) or Officer in Charge of an Engineering Watch (STCW regulation III/1).

#### ENTRY REQUIREMENTS

- Bahamian citizenship
- 17 - 25 years of age
- Minimum of 3 BGCSE subjects, including; Mathematics, English and Physics or Combined Science
- Clean Police Record
- Pass a physical fitness test
- Pass a drug test and health screening analysis
- Pass a Psychomotor Skills test
- Pass an interview screening

### RATINGS TRAINING

Spread over four (4) months, our approved Ratings programme aims to develop professional skills and impart knowledge, to those who will become part of navigational or engineering watch in a support capacity. At the end of the training, students will pass out with certification as either:

- Efficient Deck Hand (EDH) - STCW A-II / 4, 5
- Engine Room Watch Rating (EWR) - STCW A-III/4, 5

#### ENTRY REQUIREMENTS

- Bahamian citizenship
- 17 - 25 years of age
- Clean Police Record
- Be drug, including alcohol, free
- Pass an interview screening
- Pass a physical fitness test
- Pass a psychomotor skills test



Full Mission Ship Manoeuvring Simulator

## LJM MARITIME TRAINING FACILITIES

Simulation based learning is an excellent method to train people in skill development by exposing them to scenarios and environments, likely to be experienced during the real operations. Below are simulators available for training at the LJM Maritime Academy.



Officer of the Watch Training Simulator

### FULL MISSION SHIP MANOEUVERING SIMULATOR

The state-of-the-art 270 degree Full Mission Ship Manoeuvring Simulator is installed as replica of the navigation bridge of a modern vessel. Equipped with realistic hardware controls and simulated navigation aids, the simulator can be used for learning basic skills in ship handling and watch keeping to complex manoeuvres utilized by marine pilots.



Steering Simulator

### OFFICER OF THE WATCH TRAINING SIMULATOR

Installed with all essential elements, such as ECDIS, Radar and other navigational aids, required to instill good watch keeping practices in a cadet and junior officer for situational awareness and teamwork, the simulator is a very practical tool in building competent officers of the watch.

### STEERING SIMULATOR

Learners gain practical skill in steering diverse kinds of vessels in varying conditions of weather during the day or at night, as well as with vessels of different load displacements.



ECDIS Simulator

### ECDIS SIMULATOR

Installed in multi-station desktop configuration, ECDIS simulators are used for imparting skills and knowledge to gain proficiency in the use of Electronic Navigational Charts.



Marine Engineering Simulator

## GMDSS SIMULATOR

A comprehensive and realistic system that simulates communication equipment onboard merchant ships. Learners undergo a rigorous schedule to gain knowledge in the conduct of communication during distress or routine conditions.



GMDSS Simulator

## FULL MISSION LIQUID CARGO HANDLING SIMULATOR

This simulator is utilized to train the learners in loading, discharging and carriage of liquid cargoes such as Oil, Chemicals, Liquefied Natural Gas (LNG) and Liquefied Petroleum Gas (LPG). Learners get complete understanding of the risks and necessary steps required to mitigate them.



Full Mission Liquid Cargo Handling Simulator

## FULL MISSION FIRE FIGHTING SIMULATOR

One of its kind in this region of the world, this mockup of a complete ship is able to provide real fires in designated compartments such as engine room, galley, cabins and paint store. Utilizing LPG gas fired props that may be shifted, the simulator is an excellent tool for training in advanced firefighting techniques and search and rescue in fire conditions



Full Mission Fire Fighting Simulator

## MARINE ENGINEERING WORKSHOPS

The mechanical workshops are designed to familiarize learners with tools, equipment, and means to carry out welding, steel fabrication, machining and fitting. It also provides a diesel shop where learners gain hands-on experience in maintenance, repair and assembly of diesel engines, pumps, valves etc.



Marine Engineering Workshops

## LIBRARY

The library, currently occupying the Crane Simulation space, is resourced with print, multimedia and computer based resources to support teaching and learning activities at the Academy. Additionally, those engaged in maritime research may also make use of this facility.



## VALUE ADDED STCW TRAINING

STCW Code 1978, as amended, mandates that seafarers undertake personal and professional development activities to keep current in the field and maintain their certifications, through the acquisition of additional skills attained during short modular theoretical courses and practical activities. LJMMA is an approved institution under the Bahamas Maritime Authority (BMA) to conduct these training.

Following is a list of courses currently offered.

STCW REFERENCE	COURSE TITLES
A-VI /1-1	Personal Survival Techniques
A-VI/1-2	Fire Prevention and Fire Fighting
A-VI /1-3	Elementary First Aid
A-VI/1-4	Personal Safety and Social Responsibilities
A-VI /2-1	Proficiency in Survival Craft and Rescue Boats (other than Fast Rescue Boats)
A-VI/2-3	Advanced Fire Fighting
A-VI /2-4	Medical First Aid
A-VI/5	Ship Security Officer
A-VI /6-1	Security Awareness Training for Seafarers
A-VI/6-2	Security Awareness Training for Seafarers with Designated Duties
A-IV/2	Global Maritime Distress and Safety System (GMDSS)
A-II/1	Electronic Chart Display and Information System (ECDIS)
A-II /1 and 2	Bridge Resource Management
A-III/1 and 2	Engine Resource Management
A-II /1 and 2, A-III/1, 2, 6	Human Element Leadership and Management
A-V/1-1-1	Tanker Familiarization and Tanker Safety
A-V/1-1-1	Liquid Cargo Handling Simulator Training
A-III/1, 2, 6	High Voltage Handling
A-II /1, 2	Hazardous Material Handling Course (HAZMAT)



## PERSONAL DEVELOPMENT OFFERINGS

### **Engineering Dimensional Control & Workshop Skills**

This 30 hours, one (1) week course is designed to provide participants with the knowledge, understanding and skills in basic engineering measurement. Further, it introduces participants to the strategies for extraction of linear and angular dimensional information from drawings and how to use this information to measure and record the dimensions of engineering components in practical metalworking.

### **Small Engines**

During this half-day course, participants are introduced to the field of small engines. They examine the components, functions, construction and operation of these engines, in addition to the theories and technical concepts associated with their usage in commercial, residential, and industrial settings.

### **Fabrication Processes & Skills**

This one (1) week course introduces participants to the processes used in the fabrication industry and to the equipment and machinery used for fabrication purposes. It also enables candidates to recognize the processes used to produce work pieces and/or items from drawings and data sheets.

### **Preparing and Using Manual Metal Arc (MMA) Welding Equipment**

This one (1) week course equips participants with the practical skills in the Manual Arc welding processes using Low Carbon Steel (LCS) in the down-hand or flat and horizontal positions to produce a range of joints within the relevant industrial standards. Participants will be made aware of and practice the relevant health and safety regulations and requirements relating to the welding processes.

### **Metal Inert (MIG)/Metal Active Gas (MAG) Welding Skills**

During this one (1) week course participants are introduced to the practical skills in the MIG/MAG welding process which are used to produce a range of joints within the relevant industrial standards. Participants are made aware of and practice the relevant health and safety regulations and requirements relating to welding processes.

### **Maritime Tourism and Recreation Management**

This course is 24 hours in length. Participants will acquire the knowledge, skills and techniques to manage marine operations in the tourist trade industry. They will utilize their experiences to develop strategies to improve the marine environment and the maritime tourism and recreation sector generally.

### **Maritime Law for Ship-Owners, Masters, Crew and Port Personnel**

This six (6) weeks course introduces participants to international and national laws relevant to the operation of ports and shipboard operations. This exposure will ensure that they are able to meet required legal obligations so as to decrease potential legal liabilities connected with port and marine-based operations.

### **'B' Captain License**

During this six (6) weeks training, participants will acquire practical knowledge and skills in the operation of a single or twin screw craft at sea. They will be exposed to the relevant local and international maritime standards and regulations for safe navigation.

### **'A' Captain's License Training**

Participants holding the 'B' Captain License can undergo training toward acquiring the 'A' Captain License. During this advanced training period, participants engage in more practical safe navigation activities.

NOTE: The above listings of STCW and Personal Development offerings are not exhaustive and are subject to change as new offerings become available. Current costs are posted on the LJMMMA website, but are subject to change from time to time.



## LJM MARITIME ACADEMY

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