DAR ES SALAAM MARITIME INSTITUTE (DMI)

PROSPECTUS 2025/2026

DAR ES SALAAM MARITIME INSTITUTE (DMI)

PROSPECTUS 2025/2026

DAR ES SALAAM MARITIME INSTITUTE

PROSPECTUS 2025/2026

TABLE OF CONTENTS

MESSAGE FROM THE RECTOR

The Dar-es-Salaam Maritime Institute (DMI) provides the best education for its students and prepares them for their careers by closely following the global changes. The Institute is recognised as the Centre of Excellence for Maritime Education and Training in East Africa.

With generous support from the government of the United Republic of Tanzania, DMI has grown from offering STCW Certificate of Competency (CoC) Courses only to offering both CoC and numerous National Technical Award (NTA) programmes. Specifically, these programmes include Marine Engineering; Naval Architecture and Off-shore Engineering; Mechatronics Engineering; Mechanical and Marine Engineering; Oil and Gas Engineering; Marine Welding and Fabrication; Maritime Transport and Nautical Science; Cargo Tallying Management; Shipping and Logistics Management; International Trade and Maritime Law; Maritime Safety, Security and Environmental Management; Transport and Supply Chain Management; Shipping Economics and Logistics; and Maritime Law.

Our programmes are accredited by the Tanzania's maritime administration (TASAC) under the auspices of the International Maritime Organization (IMO) and the National Council for Technical and Vocational Education and Training (NACTVET). The Institute is also ISO 9001:2015 certified by IMO recognised classification society Det Norske Veritas (DNV) to provide maritime education and certification.

Graduates from our programmes are prepared to work globally in the maritime and related industries including Shipping Companies, Maritime Training Institutions, Sea Ports, Maritime Administrations, Shipping Agencies, Salvage Companies, Marine Survey Companies, Shipyards, Transport Insurance Companies, Industrial Production Companies, Power Generating Companies, Mining Companies, Oil and Gas Exploration and Production Companies, Logistics Companies and Transport Companies.

As we set our journey to become a world-class Maritime Institute, we strive and guarantee to offer quality education, training, research and consultancy services.

On behalf of DMI staff, I would like to invite you all to pursue your career dreams at Dar es Salaam Maritime Institute.

Prof. Tumaini S. Gurumo
Rector
Dar es Salaam Maritime Institute

MAIN CONTACT ADDRESSES OF THE INSTITUTE

Dar es Salaam Maritime Institute (DMI)

19 Sokoine Drive, Opposite to City Hall
P.O. Box 6727, Postcode 11101
Telephone: +255 22 2133645, +255 22 2112478
Website: www.dmi.ac.tz
Email: info@dmi.ac.tz
DAR ES SALAAM, TANZANIA

Rector
Email: rector@dmi.ac.tz

Deputy Rector (Academic, Research and Consultancy)
Email: dparc@dmi.ac.tz

Deputy Rector (Planning, Finance and Administration)
Email: dppfa@dmi.ac.tz

Finance and Accounts Manager
Email: hofa@dmi.ac.tz

Human Resource Management and Administration Manager
Email: hrma@dmi.ac.tz

Library Services Manager
Email: library@dmi.ac.tz

Head of Quality Assurance Unit
Email: qms@dmi.ac.tz

Chief Internal Auditor
Email: hiau@dmi.ac.tz

Head of Procurement Management Unit
Email: hpsu@dmi.ac.tz

Head of ICT Unit
Email: ict@dmi.ac.tz

Dean of Students
Email: dean@dmi.ac.tz

Coordinator of Examinations Department
Email: boe@dmi.ac.tz

Coordinator of Maritime Transport Department
Email: homt@dmi.ac.tz

Coordinator of Marine Engineering Department
Email: home@dmi.ac.tz

Coordinator of Science and Management Department
Email: hosm@dmi.ac.tz

Coordinator of Admission Department
Email: registrar@dmi.ac.tz

Coordinator of Professional Development Service Department
Email: pds@dmi.ac.tz

CHAPTER 1: INTRODUCTION

1.1 Organisation of the Prospectus

Chapter 1 provides brief information about Dar es Salaam Maritime Institute, Chapter 2 provides information of programmes offered at the Institute, Chapter 3 describes the criteria required for admission to each programme, Chapter 4 describes module arrangements for each programme, and Chapter 5 provides brief information on DMI rules and regulations in various routine activities. Chapter 6 provides information about the fee structure and academic calendar for 2025/2026 Academic Year.

1.2 Brief Information about Dar es Salaam Maritime Institute

Dar es Salaam Maritime Institute (DMI) was established by Act of Parliament No. 22 of 1991 to cater for greater needs of Shipping Industry in the region. The Institute (DMI) originated from what was known as Dar es Salaam Maritime Training Unit (DMTU) which was established on the 3rd July 1978 by the Ministry responsible for maritime affairs.

DMI is the Centre of Excellence in Maritime Education and Training in the East African region. The centre has qualified Personnel and provides quality education which suits market needs in the aspect of being employed and self-employment in maritime industry. DMI offers programmes accredited by NACTVET (NTA Level 4-9) and TASAC (STCW courses).

1.2.1 Vision Statement

To be the leading centre of excellence in training, research and consultancy in maritime and related disciplines.

1.2.2 Mission Statement

To provide high quality demand-driven training, research and consultancy services in maritime and related disciplines in the Sub-Saharan Africa and beyond.

1.2.3 The Core Values of DMI

The core values and role of DMI are: -

a) **Customer Focused**: The Institute is committed in providing high quality services to meet customers' satisfactions.
b) **Professional and Academic Excellency**: The Institute endeavours to maintain high standards of professionalism and academic excellence.
c) **Creativity and Innovative**: The Institute encourages initiatives, new ideas and recognizes contributions that lead to better performance and on-board new technological changes.
d) **Integrity**: The Institute employs the highest ethical standards that demonstrate honest and fairness.

e) **Accountability and Responsibility**: The Institute is answerable for its decisions, actions and timely attention to stakeholders' needs.
f) **Team Work**: The Institute staff / community shall work together, share experiences and respect each other to realize our common goal.

1.2.4 DMI Functions

The main functions of the Institute as stipulated under section 4 of the Act establishing the DMI are: -

a) To provide facilities for the study and training in the principles, procedures and techniques of basic training of seafarers, marine engineering, navigation, management of shipping enterprises, special skills and knowledge of pilotage or tug handling and such other related subjects as the Board of Governors may from time to time decide;
b) To engage in research, consultancy services and publications into theoretical, operational and organizational problems and training needs in the subjects specified in paragraph (a);
c) To establish and foster closer association with other colleges, academies and institutions both nationally and internationally.
d) To perform all such other functions as stipulated in the DMI Act.

1.2.5 Why Study at Dar es Salaam Maritime Institute (DMI)

DMI is registered by the National Council for Technical and Vocational Education and Training (NACTVET) to offer programmes in the areas of engineering and other sciences. DMI is an autonomous training institute with full accreditation to run programmes from NTA Level 4 to NTA Level 9.

In additional, the Institute is accredited by Tanzania Shipping Agencies Corporation under the auspices of the International Maritime Organization (IMO) to offer STCW courses. The Institute's Quality Management System is ISO 9001:2015 certified by Det Norske Veritas (DNV).

Attained full compliance with STCW and NACTVET standards ensuring that, programmes offered by DMI meet national and global maritime training requirements. Therefore Graduates from Certificate, Ordinary diploma, Bachelor degree and Master degree programmes can work in areas such as maritime education and training institutions, ports and terminals, maritime administrations, shipping agencies, marine survey companies, shipyards, insurance companies, industrial production companies and offshore platforms. Likewise, graduate for the Certificate of Competency programmes can work at sea as marine officers on board ship or in the offshore platforms whereas graduates for STCW short course programmes can work at sea as ratings.

1.2.6 Teaching and Learning Facilities

DMI has modern teaching facilities. These include a computer-based multi-purpose instructor-monitored TRANSAS Simulator Station for ship handling and propulsion, Full Mission Engine Room Simulator, Crane Simulator, Electro-Laboratory, Efficient Deck-hand Workshop, Search and Rescue Boat, a computer-based GMDSS simulator, Engineering Workshop, Computer Laboratories, Gyro Compass, Ship's Magnetism Simulator (SMS) for compass correction, Radio Direction Finder Simulator (RDFS) model, Live Radar, a Library and Classrooms. The Institute also has two emergency power generators standby for curbing any power blackout.

1.2.7 Eligibility for Prospective Student

A prospective student can only be considered eligible if:

- He/she satisfies the minimum academic requirements for the programme/course as set in the respective accredited curricula.
- He/she proves to be physically and mentally fit to pursue the course applied for;
- He/she is of good character.

1.2.8 Customer Services

The Institute has friendly customer services procedures from which students can access information related to academic issues such as admission, certification, career development, job opportunities and other student welfare.

1.2.9 Counselling Services

The Institute Counselling Services provides support to students who are facing difficult choices and changes in their personal lives. If a student needs someone to talk to about personal issues, the Institute offers a caring service that aims to:

- Allow students to explore their issues in a safe and confidential environment;
- Help students re-assess what is happening in their lives and develop strategies for coping; and
- Ensure that students receive professional assistance whenever required or necessary.

Students may arrange an individual appointment with the Dean of Students for counselling in his or her capacity.

1.2.10 Students Affairs

DMI students come from different areas and social-economic background. To manage such a multiplex culture, students have their organisation known as Dar es Salaam Maritime Institute Students Organisation (DAMISO) which is responsible for students' affairs at DMI.

1.2.11 Canteen and Stationary Services

There is a students' canteen whereby students can get service at an affordable price. There are also provisions for stationary services whereby students can get services such as photocopying, printing, scanning, laminating and binding at an affordable price.

1.2.12 Departments and Units

DMI departments and units comprise highly qualified professionals in their areas of specialization. The departments include the Department of Maritime Transport, Department of Marine Engineering, Department of Science and Management, Department of Professional Development Services and Department of Examinations. The DMI units include the Finance and Accounts unit, Quallity assurance unit, Internal Audit unit Human Resource and Administration unit.

1.2.13 Awards

The Institute award certificates at the end of the duration of the respective programme.

1.3 Organs of the Institute

1.3.1 Board of Governors

- Chairperson (Vacant)
- Secretary (Vacant)
- Member (Vacant)
- Member (Vacant)
- Member (Vacant)
- Member (Vacant)

1.3.2 Management Team

Prof. Tumaini S. Gurumo	- Rector (Chairperson)
Prof. Wilfred J. Kileo	- DR/ARC
Dr. Lucas P. Mwisila	- DR/PFA
Dr. Werneld E. Ngongi	- DAD
Dr. Msabaha J. Mwendapole	- Ag. DASS
Eng. Juma A. Kapaya	- Ag. RCPM
Ms. Pamela P. Bulugu	- LSM
Ms. Christina S. Nderumaki	- HRMAM (Secretary)
CPA. Doris L. Chang'a	- FAM
Mr. Anderson I. Tweve	- PDM
Eng. Regina S. Mbilinyi	- DEAN
CPA. Filozi J. Mayayi	- CIA
Ms. Alda P. Sadango	- Ag. HoCM
Adv. Veronica N. Sudayi	- HoLS
Eng. Fortunata M. Kakwaya	- Ag. HoQA
Mr. Raymond M. Chambua	- HoICT

Mr. Zuberi P. Msangi	-	Ag. HoPM	

1.3.3 Academic Council Members

Prof. Tumaini S. Gurumo	-	Chairman	Rector
Prof. Wilfred J. Kileo	-	Vice Chairman	DR/ARC
Dr. Lucas P. Mwisila	-	Member	DR/PFA
Dr. Werneld E. Ngongi	-	Member	DAD
Dr. Msabaha J. Mwendapole	-	Secretary	Ag. DASS
Eng. Lameck M. Sondo	-	Member	Manager Seafarers, TASAC
Dr. Coletha L. Komba	-	Member	Associate Professor, Mzumbe University
Prof. Beatus A. Kundi	-	Member	Professor, University of Dar es Salaam
DAMISO President	-	Member	Students' Representative

CHAPTER 2: PROGRAMMES OFFERED UNDER VARIOUS DEPARTMENTS

2.1 Maritime Transport Department

2.1.1 NTA System Programmes

[1] Basic Technician Certificate (NTA Level 4) in Marine Operations (BTCMO)
[2] Technician Certificate (NTA Level 5) in Maritime Transport and Nautical Science (TCMTNS)
[3] Ordinary Diploma (NTA Level 6) in Maritime Transport and Nautical Science (ODMTNS)
[4] Bachelor Degree (NTA Level 7/8) in Maritime Transport and Nautical Science (BMTNS)
[5] Master Degree (NTA Level 9) in International Trade and Maritime Law (MITML)
[6] Master Degree (NTA Level 9) in Maritime Transport and Nautical Science (MMTNS)
[7] Master Degree (NTA Level 9) in Maritime Safety, Security and Environmental Management (MMSSEM)

2.1.2 Certificate of Competency Programmes

[1] Officer in Charge of a Navigational Watch on Ships less than 500GT
[2] Master on Ships less than 500GT (Near Coastal)
[3] Officer in Charge of a Navigational Watch
[4] Master and Chief Mate on Ships between 500GT and 3000GT
[5] Master and Chief Mate

2.2 Marine Engineering Department

2.2.1 NTA System Programmes

[1] Basic Technician Certificate (NTA Level 4) in Naval Architecture and Offshore Engineering (BTCNAOE)
[2] Basic Technician Certificate (NTA Level 4) in Marine and Mechanical Engineering (BTCMME)
[3] Basic Technician Certificate (NTA Level 4) in Oil and Gas Engineering (BTCOGE)
[4] Basic Technician Certificate (NTA Level 4) in Marine Welding and Fabrication (BTCMWF)
[5] Technician Certificate (NTA Level 5) in Marine Engineering (TCME)
[6] Technician Certificate (NTA Level 5) in Naval Architecture and Offshore Engineering (TCNAOE)
[7] Technician Certificate (NTA Level 5) in Mechanical and Marine Engineering TCMME)
[8] Technician Certificate (NTA Level 5) in Oil and Gas Engineering (TCOGE)
[9] Technician Certificate (NTA Level 5) in Marine Welding and Fabrication Engineering (TCMWF)
[10] Ordinary Diploma (NTA Level 6) in Marine Engineering (ODME)
[11] Ordinary Diploma (NTA Level 6) in Naval Architecture and Offshore

Engineering (ODNAOE)
[12] Ordinary Diploma (NTA Level 6) in Mechanical and Marine Engineering ODMME)
[13] Ordinary Diploma (NTA Level 6) in Oil and Gas Engineering (ODOGE)
[14] Ordinary Diploma (NTA Level 6) in Marine Welding and Fabrication (ODMWF)
[15] Bachelor Degree (NTA Level 7/8) in Marine Engineering Technology (BMET)
[16] Bachelor Degree (NTA Level 7/8) in Naval Architecture and Offshore Engineering (BNAOE)
[17] Bachelor Degree (NTA Level 7/8 in Mechatronics Engineering (BMTE)
[18] Bachelor Degree (NTA Level 7/8 in Mechanical and Marine Engineering (BMME)
[19] Bachelor Degree (NTA Level 7/8 in Oil and Gas Engineering (BOGE)
[20] Master Degree (NTA Level 9) in Marine Engineering Management (MMEM).

2.2.2 Certificate of Competency Programmes

[1] Officer in Charge of an Engineering Watch on Ships less than 750kW
[2] Electro-Technical Officer
[3] Officer in Charge of an Engineering Watch
[4] Chief and Second Engineer Officer on Ships between 750kW and 3000kW
[5] Chief and Second Engineer Officer

2.3 Science and Management Department

2.3.1 NTA System Programmes

[1] Basic Technician Certificate (NTA Level 4) in Shipping and Logistics Management (BTCSLM)
[2] Basic Technician Certificate (NTA Level 4) in Procurement, Logistics and Supply Chain Management (BTCPLSM)
[3] Basic Technician Certificate (NTA Level 4) in Transport and Supply Chain Management (BTCTSM)
[4] Basic Technician Certificate (NTA Level 4) in Cargo Tallying and Supply Chain Management (BTCCTSM)
[5] Technician Certificate (NTA Level 5) in Shipping and Logistics Management (TCSLM)
[6] Technician Certificate (NTA Level 5) in Procurement, Logistics and Supply Chain Management (TCPLSM)
[7] Technician Certificate (NTA Level 5) in Transport and Supply Chain Management (TCTSM)
[8] Ordinary Diploma (NTA Level 6) in Shipping and Logistics Management (ODSLM)
[9] Ordinary Diploma (NTA Level 6) in Procurement, Logistics and Supply Chain Management (ODPLSM)
[10] Ordinary Diploma (NTA Level 6) in Transport and Supply Chain Management (ODTSM)
[11] Bachelor Degree (NTA Level 7/8) in Shipping and Logistics

Management (BSLM)
[12] Bachelor Degree (NTA Level 7/8) in Procurement, Logistics and Supply Chain Management (BPLSM)
[13] Bachelor Degree (NTA Level 7/8) in Transport and Supply Chain Management (BTSM)
[14] Master Degree (NTA Level 9) in Shipping Economics and Logistics (MSEL)
[15] Master Degree (NTA Level 9) in Transport and Supply Chain Management (MTSM)

2.4 Short Courses Offered at DMI

[1] Able Seafarer Deck
[2] Able Seafarer Engine
[3] Advanced Fire Fighting
[4] Advanced Tanker
[5] Advanced Training for Oil and Chemical Tanker Cargo Operations
[6] Automatic Radar Plotting Aid
[7] Basic Training for Oil and Chemical Tanker Cargo Operations
[8] Bridge Resource Management
[9] Crisis Management and Human Behaviour
[10] Crowd Management
[11] Dangerous, Hazardous and Harmful Cargoes
[12] Designated Security Duties
[13] Electro Technical Rating
[14] Electronic Charts Display and Information System (ECDIS) and Automation Identification System (AIS)
[15] Elementary First Aid
[16] Engine-Room Resource Management
[17] Fire Prevention and Fire Fighting
[18] GMDSS General Operator (GO)
[19] GMDSS Restricted Operator (RO)
[20] High Voltage Management Level
[21] High Voltage Operational Level
[22] Hydrogen Sulphide Awareness
[23] Leadership and Managerial Skills
[24] Leadership and Team Working Skills
[25] Marine Survey
[26] Medical Care
[27] Medical First Aid
[28] Passenger Safety, Cargo Safety and Hull Integrity
[29] Passenger Ship Safety Training
[30] Personal Safety and Social Responsibilities
[31] Personal Survival Techniques
[32] Proficiency in Fast Rescue Boat
[33] Proficiency in Survival Craft and Rescue Boats
[34] Proficiency in Designated security Duties (DPSD)
[35] Radar Navigation at Management Level
[36] Radar Navigation at Operational Level

[37] Rating Forming Part of a Navigational Watch
[38] Rating Forming Part of an Engineering Watch
[39] Refresher – Deck Ratings
[40] Refresher – Engine Room Ratings
[41] Refresher and Upgrading – Deck Officers
[42] Refresher and Upgrading – Engineer Officers
[43] Revalidation Rating
[44] Revalidation Officers
[45] Security Awareness
[46] Ship Security Officer
[47] Small Boat handling and Maintenance
[48] Ship's Cook Certificate of Competency
[49] Ship's Cook Certificate of Competency-Revalidation

CHAPTER 3: ADMISSION REQUIREMENTS FOR DMI PROGRAMMES

3.1 National Technical Award (NTA) System

Entry qualifications for NTA system programmes are presented in the following sections: -

3.1.1 Basic Technician Certificate (NTA Level 4)

3.1.1.1 Basic Technician Certificate (NTA Level 4) in Marine Operations (BTCMO)

- Holder of Certificate of Secondary Education (Form IV) with at least four passes at D grade in the following subjects; Mathematics, Physics/Engineering Science, Chemistry, Geography, English; or
- Holder of National Vocational Award (NVA) level III in engineering field (mechanical or electrical or civil) and must have Certificate of Secondary Education (Form IV) or
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in Mathematic, English, Physical Science, Natural Science, Geography

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.1.2 Basic Technician Certificate (NTA Level 4) in Shipping and Logistics Management (BTCSLM)

- A Holder of Ordinary Level of Secondary Education Certificate with at least four passes at D grade excluding religious subjects; or
- A Holder of National Vocational Award (NVA) level III and must have Certificate of Secondary Education (Form IV).

- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in any subjects excluding religious subjects

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.1.3 Basic Technician Certificate (NTA Level 4) in Naval Architecture and Offshore Engineering (BTCNAOE)

- Holder of Certificate of Secondary Education (Form IV) with at least four passes at D grade in the following subjects; Mathematics, Physics/Engineering Science, Chemistry, Geography, English; or

- Holder of National Vocational Award (NVA) level III in engineering field (mechanical or electrical or civil) and must have Certificate of Secondary Education (Form IV)

- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in Mathematic, English, Physical Science, Natural Science, Geography

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.1.4 Basic Technician Certificate (NTA Level 4) in Procurement, Logistics and Supply Chain Management (BTCPLSM)

- A Holder of Ordinary Level Secondary Education Certificate with at least four passes at D grade excluding religious subjects; or
- A Holder of National Vocational Award (NVA) level III and must have Certificate of Secondary Education (Form IV).
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in any subjects excluding religious subjects

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.1.5 Basic Technician Certificate (NTA Level 4) in Transport and Supply Chain Management (BTCTSM)

- A Holder of Ordinary Level Secondary Education Certificate with at least four passes at D grade excluding religious subjects; or
- A Holder of National Vocational Award (NVA) level III and must have Certificate of Secondary Education (Form IV).
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in any subjects excluding religious subjects

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.1.6 Basic Technician Certificate (NTA Level 4) in Oil and Gas

Engineering (BTCOGE)

- Holder of Certificate of Secondary Education (Form IV) with at least four passes at D grade in the following subjects; Mathematics, Physics/Engineering Science, Chemistry, Geography, English;

  or

- A Holder of National Vocational Award Level Three from recognised Institution in the following field: Mechanical Engineering, Electrical Engineering, Civil and Building Engineering, Mechatronics, Eletromechanics, Automotive Engineering, Mining engineering and a certificate of secondary education with minimum of two passes (D) in non-religious subjects.

- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in Mathematic, English, Physical Science, Natural Science, Geography

  Duration of the Course
  The duration of the course is one (1) academic year organized in two semesters.

3.1.1.7 Basic Technician Certificate (NTA Level 4) in Mechanical and Marine Engineering (BTCMME)

- Holder of Certificate of Secondary Education (Form IV) with at least four passes at D grade in the following subjects; Mathematics, Physics/Engineering Science, Chemistry and English; or
- Holder of National Vocational Award (NVA) level III in Mechanical Engineering
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in Mathematic, English, Physical Science, Natural Science, Geography

  Duration of the Course
  The duration of the course is one (1) academic year organized in two semesters.

3.1.1.8 Basic Technician Certificate (NTA Level 4) in Marine Welding and Fabrication (BTCMWF)

- Holder of Certificate of Secondary Education (Form IV) with at least four passes at D grade in the following subjects; Mathematics, Physics/Engineering Science, Chemistry, Geography, English; or
- Holder of National Vocational Award (NVA) level III in engineering field (mechanical or electrical or civil) and must have Certificate of

Secondary Education (Form IV)

- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in Mathematic, English, Physical Science, Natural Science, Geography

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.1.9 Basic Technician Certificate (NTA Level 4) in Cargo Tallying and Supply Chain Management (BTCCTSM)

- Holder of Ordinary Level Secondary Education Certificate with at least four passes at D grade excluding religious subjects; or
- Holder of National Vocational Award (NVA) level III and must have Certificate of Secondary Education (Form IV) or
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in any subjects excluding religious subjects

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2 Technician Certificate (NTA Level 5)

3.1.2.1 Technician Certificate (NTA Level 5) in Maritime Transport and Nautical Science (TCMTNS)

- A Holder of Basic Technician Certificate in (NTA Level 4) in Marine Operations (BTCMO)
- A Holder of Advanced Certificate of Secondary Education Examinations with at least one principal pass and subsidiary from any of the following subjects: Advanced Mathematics, Physics, Geography and Chemistry and Biology

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.2 Technician Certificate (NTA Level 5) in Marine Engineering (TCME)

- A Holder of Basic Technician Certificate (NTA Level 4) in Marine Operations (BTCMO)
- A Holder of Advanced Certificate of Secondary Education Examinations with at least one principal pass and subsidiary from any of the following subjects: Advanced Mathematics, Physics, Geography and Chemistry

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.3 Technician Certificate (NTA Level 5) in Shipping and Logistics Management (TCSLM)

- A Holder of Advanced Certificate of Secondary Education Examination with at least 1 principal passes and subsidiary; or
- A Holder of Basic Technician Certificate in Shipping and Logistics Management or Logistics and Transport Management; or
- A Holder of Basic Technician Certificate (NTA Level 4) in Marine Operations (BTCMO); or
- Holder of Basic Technician Certificate (NTA Level 4) in Cargo Tallying and Supply Chain Management (BTCCTSM)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.4 Technician Certificate (NTA Level 5) in Naval Architecture and Offshore Engineering (TCNAOE)

- A Holder of Basic Technician Certificate (NTA Level 4) in Naval Architecture and Offshore Engineering (BTCNAOE)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.5 Technician Certificate (NTA Level 5) in Procurement, Logistics and Supply Chain Management (TCPLSM)

- A Holder of Advanced Certificate of Secondary Education Examination with at least 1 principal pass and subsidiary; or
- A Holder of Basic Technician Certificate in Procurement, Logistics and Supply Chain Management or Basic Technician Certificate in Transport and Supply Chain Management or Basic Technician Certificate in Shipping and Logistics Management or Basic Technician Certificate in Logistics and Transport Management or Basic Technician Certificate in Cargo Tallying and Supply Chain Management; or
- A Holder of Basic Technician Certificate in Marine Operations (BTCMO).

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.6 Technician Certificate (NTA Level 5) in Transport and Supply Chain

Management (TCTSM)

- A Holder of Advanced Certificate of Secondary Education Examination with at least 1 principal pass and subsidiary; or
- A Holder of Basic Technician Certificate in Transport and Supply Chain Management or Basic Technician Certificate in Logistics and Supply Chain Management or Basic Technician Certificate in Shipping and Logistics Management or Basic Technician Certificate in Logistics and Transport Management; or
- A Holder of Basic Technician Certificate in Marine Operations (BTCMO).

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.2.7 Technician Certificate (NTA Level 5) in Oil and Gas Engineering (TCOGE)

- A Holder of Basic Technician Certificate (NTA Level 4) in Oil and Gas Engineering (BTCOGE)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.2.8 Technician Certificate (NTA Level 5) in Mechanical and Marine Engineering (TCMME)

- A Holder of Basic Technician Certificate (NTA Level 4) in Mechanical and Marine Engineering (BTCMME)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.2.9 Technician Certificate (NTA Level 5) in Marine Welding and Fabrication Engineering (TCMWF)

- A Holder of Basic Technician Certificate (NTA Level 4) in Marine Welding and Fabrication Engineering (BTCMWF)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.3 Ordinary Diploma NTA Level 6

3.1.3.1 Ordinary Diploma in (NTA Level 6) in Maritime Transport and Nautical Science (ODMTNS)

A Holder of Technician Certificate) (NTA Level 5) in Maritime Transport (TCMTNS)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.3.2 Entry Qualification for Ordinary Diploma (NTA Level 6) in Marine Engineering (ODME)
A Holder of Technician Certificate in (NTA Level 5) Marine Engineering (TCME)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.3.3 Ordinary Diploma (NTA Level 6) in Shipping and Logistics Management (ODSLM)
Holder of Technician Certificate (NTA Level 5) in Shipping and Logistics Management (TCSLM)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.3.4 Ordinary Diploma (NTA Level 6) in Naval Architecture and Offshore Engineering (ODNAOE)
A Holder of Technician Certificate (NTA Level 5) in Naval Architecture and Offshore Engineering (TCNAOE)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.3.5 Ordinary Diploma (NTA Level 6) in Procurement, Logistics and Supply Chain Management (ODPLSM)
Holder of Technician Certificate (NTA Level 5) in Procurement, Logistics and Supply Chain Management (TCPLSM)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.3.6 Ordinary Diploma (NTA Level 6) in Transport and Supply Chain Management (ODTSM)
A Holder of Technician Certificate (NTA Level 5) in Transport and Supply Chain Management (TCTSM)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.3.7 Ordinary Diploma (NTA Level 6) in Oil Gas Engineering (ODOGE)
Holder of Technician Certificate (NTA Level 5) in Oil and Gas Engineering (TCOGE)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.3.8 Ordinary Diploma (NTA Level 6) in Mechanical and Marine Engineering (ODMME)
A Holder of Technician Certificate (NTA Level 5) in Mechanical and Marine Engineering (TCMME)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.3.9 Ordinary Diploma in Marine Welding and Fabrication (ODMWF)
A Holder of Technician Certificate (NTA Level 5) in Marine Welding and Fabrication (TCMWF)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.4 Bachelor Degree (NTA Level 7/8)

3.1.4.1 Bachelor Degree (NTA Level 7/8) in Maritime Transport and Nautical Science – (BMTNS)

- A Holder of Advanced Certificate of Secondary Education Examinations with two principal passes in the following subjects Advanced Mathematics**,** Physics, Chemistry or Geography with an aggregate of 4.0 points or Foundation Programme of the OUT with a minimum GPA of 3.0.

- A Holder of an Ordinary Diploma in Maritime Transport, or Ordinary Diploma in Maritime transport and Nautical Science or Ordinary Diploma in Fisheries Science and Technology or Ordinary Diploma in Master Fisherman with at least a GPA of 3.0 from a recognized Institution.

Duration of the Course

The duration of the course is four (4) academic years organized in eight semesters.

3.1.4.2 Bachelor Degree (NTA Level 7/8) in Marine Engineering Technology – (BMET)

- A Holder of Advanced Certificate of Secondary Education Examinations with two principal passes with a total of 4.0 points from Advanced Mathematics, Physics and Chemistry subjects or; Foundation Programme of the OUT with a minimum GPA of 3.0.
- Holder of an Ordinary Diploma (NTA Level 6) in Marine Engineering with at least a GPA of 3.0. A candidate from this category will join the programme in the second year; or
- A Holder of Ordinary Diploma (NTA Level 6) in Mechanical and Marine Engineering, or Ordinary Diploma in Automobile Engineering, Ordinary Diploma in Electrical Engineering or Ordinary Diploma in Electronics Engineering or Ordinary Diploma in Mechanical Engineering with at least a GPA of 3.0

Duration of the Course

The duration of the course is four (4) academic years organized in eight semesters.

3.1.4.3 Bachelor Degree (NTA Level 7/8) in Shipping and Logistics Management (BSLM)

- Two principal passes in the following subjects: Advanced Mathematics, Physics, Chemistry, Biology, Accountancy, Geography, Economics or Commerce, History, English/Literature or Foundation Programme of the OUT with a minimum GPA of 3.0.

- Holder of Ordinary Diploma (NTA level 6) in Shipping and Logistics Management, Ordinary Diploma in Logistics and Transport, Ordinary Diploma in Maritime Transport, Ordinary Diploma in Fisheries Science and Technology, Ordinary Diploma in Master Fisherman, Ordinary Diploma in Marine Engineering, Ordinary Diploma in Procurement and Logistics, Ordinary Diploma in Freight Clearing and Forwarding, Ordinary Diploma in Shipping and Port Management and Ordinary Diploma in Transport Management, Ordinary Diploma in Project Planning and Management, Ordinary Diploma in Customs and Taxi Management, Ordinary Diploma in Information Technology/Computer science with at least a GPA of 3.0; or
- A holder of Full Technician Certificate (FTC) with an average grade of B; or
- A Holder of Diploma in Education with an average grade of B+ in Mathematics, or Physics/Engineering Science, or Chemistry, or

Economics, or Geography, or Commerce;

Duration of the Course
The duration of the course is three (3) academic years organized in six semesters

3.1.4.4 Bachelor Degree (NTA Level 7/8) in Naval Architecture and Offshore Engineering (BNAOE)

- A Holder of Advanced Certificate of Secondary Education Examination with two principal passes with a total of 4.0 points in the following subjects; Physics, Advanced Mathematics Geography or Chemistry or Foundation Programme of the OUT with a minimum GPA of 3.0.
- A Holder of an Ordinary Diploma (NTA Level 6) in Naval Architecture and offshore Engineering with at least a GPA of 3.0. A candidate from this category will join the programme in the second year.

- A Holder of an Ordinary Diploma (NTA Level 6) in either Marine Engineering, Mechanical Engineering, Automobile Engineering, Civil engineering, Shipbuilding, Oil and Gas (Petroleum) Engineering, Mechanical and Marine Engineering, Electrical Engineering or Electronics Engineering with at least a GPA of 3.0 from a recognized institution and at least 3 passes at 'O' level in in the following subjects: Mathematics, Physics/Engineering Science, Geography, Chemistry or English.

Duration of the Course
The duration of the course is four (4) academic years organized in eight semesters.

3.1.4.5 Bachelor Degree (NTA Level 7/8) in Procurement, Logistics and Supply Chain Management – (BPLSM)

- Two principal passes in the following subjects: Advanced Mathematics, Physics, Chemistry, Biology, Accountancy, Geography, Economics or Commerce, History, English/Literature or Foundation Programme of the OUT with a minimum GPA of 3.0; or
- A Holder of Ordinary Diploma (NTA Level 6) in Procurement and Supply Chain Management, Ordinary Diploma in Logistics and Supply Chain Management/ Ordinary Diploma in Logistics and Transport /Ordinary Diploma in Freight Clearing and Forwarding/ Ordinary Diploma in Maritime Transport / Ordinary Diploma in shipping and Port Operations management with at least a GPA of 3.0; or
- Full Technician Certificate (FTC) with an average grade of B; or
- A Holder of Diploma in education with an average grade of B+ in Mathematics, or Physics/Engineering Science, or Chemistry, or

Economics, or Geography, or Commerce.

Duration of the Course:
The duration of the course is three (3) academic years organized in six semesters

3.1.4.6 Bachelor Degree (NTA Level 7/8) in Transport and Supply Chain Management – (BTSM)

- Two principal passes in the following subjects: Advanced Mathematics, Physics, Chemistry, Biology, Accountancy, Geography, Economics or Commerce, History, English/Literature or Foundation Programme of the OUT with a minimum GPA of 3.0; or
- A Holder of Ordinary Diploma (NTA Level 6) in Transport and Supply Chain Management, Ordinary Diploma in Shipping and Logistics Management with at least a GPA of 3.0; or
- A Holder of Ordinary Diploma (NTA Level 6) in Logistics and Supply Chain Management/ Ordinary Diploma in Logistics and Transport /Ordinary Diploma in Freight Clearing and Forwarding/ Ordinary Diploma in Maritime Transport / Ordinary Diploma in shipping and Port Operations management with at least a GPA of 3.0; or
- Full Technician Certificate (FTC) with an average grade of B
- A Holder of Diploma in Education with an average grade of B+ in Mathematics, or Physics/Engineering Science, or Chemistry, or Economics, or Geography, or Commerce.

Duration of the Course:
The duration of the course is three (3) academic years organized in six semesters

3.1.4.7 Bachelor Degree (NTA Level 7/8) in Oil and Gas Engineering – (BOGE)

a) A Holder of Advanced Certificate of Secondary Education Examinations with two principal passes with a total of 4.0 points from the following subjects; Advanced Mathematics, Physics, Geography and Chemistry;
or

b) Holder of an Ordinary Diploma (NTA Level 6) in either Oil and Gas Engineering, Naval Architecture and Offshore Engineering, Marine Engineering and Mechanical Engineering, Mining Engineering, Petroleum Geosciences and Exploration, Mechanical Engineering, Electrical Engineering or Civil Engineering with at least a GPA of 3.0 from a recognized institution.

Duration of the Course:
The duration of the course is four (4) academic years organized in eight semesters

3.1.4.8 Bachelor's Degree (NTA Level 7/8) in Mechanical and Marine Engineering – (BMME)

a) Holder of Advanced Certificate of Secondary Education Examination with at least two principal passes with a total of 4.0 points in the following subjects; Physics or Mathematics or Chemistry.
b) Holder of an Ordinary Diploma (NTA Level 6) in either in Mechanical and Marine Engineering, Marine Engineering, Mechanical Engineering, Naval Architecture and offshore Engineering Automobile Engineering, Civil Engineering, Electrical Engineering or Electronics Engineering with at least a GPA of 3.0 from a recognized institution. All candidates will join the programme in the first year.

Duration of the Course
The duration of the course is four (4) academic years organized in eight semesters.

3.1.4.9 Bachelor Degree (NTA Level 7/8) in Mechatronic Engineering – (BMTE)

i. A Holder of Advanced Certificate of Secondary Education Examination (ACSEE) with a total of 4.0 points in the following subjects; Physics, Mathematics and Chemistry;
OR
c) A Holder of Ordinary Diploma (NTA Level 6) in either Mechatronics Engineering, Marine Engineering, Mechanical Engineering, Automobile Engineering, Electrical Engineering, Industrial Automation, Telecommunication Engineering, Computer Engineering, Mining Engineering, Electronics Engineering, or related engineering fields with at least a GPA of 3.0. All candidates will join the programme in the first year.
OR
ii. Full Technician Certificate (FTC) with an average grade of B.

Note that:

a. Applicants from foreign countries seeking to join the programme should obtain equivalence from National Examination Council of Tanzania and NACTVET.
b. Holders of Diploma in Mechatronics Engineering may be allowed to join the program in second year after attaining 120 credits.

Duration of the Course:
The duration of the course is four (4) academic years organized in eight semesters

3.1.5 Master's Degree (NTA Level 9)

3.1.5.1 Entry Qualification for Master's Degree (NTA Level 9) in Shipping Economics and Logistics (MSEL)

- A holder of Bachelor Degree in Shipping and Logistics Management, Procurement and Logistics or Supply Chain Management, logistics and Transport Management, Cooperative, Shipping and International Trade, Maritime Transport and Nautical science, Marine Engineering Technology, Computer Science, Engineering, Ship Design and Construction, Business Management or Administration, Public Administration, Finance, Economics, Accountancy, Mathematics/Statistics, Arts, Humanities, Social Sciences, Education, Banking, Taxation, Human Resource Management , Community Development, Insurance and Social Security, and Insurance and Risk Management with minimum GPA 2.7; Or
- A holder of Advanced Diploma in (i) with minimum GPA 3.0; Or
- A holder of Unclassified Bachelor Degree verified by TCU/NACTVET; Or
- Holder of professional qualification CPSP/CPA; Or
- Holder of Advanced Diploma with Postgraduate Diploma in a relevant field; Or
- Chief Engineer Officer or Master Mariner from International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW), 1978 as amended; Or

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

3.1.5.2 Entry Qualification for Master's Degree (NTA Level 9) in Transport and Supply Chain Management (MTSM)

- A holder of Bachelor Degree in Transport and Supply Chain Management, Shipping and Logistics Management, Procurement and Logistics or Supply Chain Management, Cooperative, Shipping and International Trade, Maritime Transport and Nautical science, Marine Engineering Technology, Computer Science, Engineering, Ship Design and Construction, Business Management or Administration, Public Administration, Finance, Economics, Accountancy, Mathematics/Statistics, Arts, Humanities, Social Sciences, Education, Banking, Taxation, Human Resource Management , Community Development, Insurance and Social Security, and Insurance and Risk Management with minimum GPA 2.7 or equivalent qualification approved by NACTVET; Or
- A holder of Advanced Diploma in Transport and Supply Chain Management, Shipping and Logistics Management, Port Management, Procurement, Logistics and Supply Chain Management, Maritime Transport and Marine Engineering with minimum GPA 3.0; Or

- A holder of unclassified Bachelor Degree in Transport and Supply Chain Management, Shipping and Logistics Management/Procurement, Logistics and Supply Chain Management/ Bachelor Degree in Maritime Transport and Nautical science, Marine Engineering Technology, Science, Engineering, Business administration, Economics, Accountancy and Mathematics/Statistics with a distinction; Or
- A holder of professional qualification CPSP/CPA; Or Professional Training qualifications such as Chief Engineer Officer or Master Mariner

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

3.1.5.3 Master's Degree (NTA Level 9) in Marine Engineering Management

- A Holder of Bachelor Degree in Marine Engineering Technology, Marine and Mechanical Engineering, Electrical Engineering, Automobile Engineering, Naval Architecture and offshore Engineering, Ship Building Petroleum Engineering or Electronics Engineering with minimum GPA of 2.7 or
- A holder of Advanced Diploma in Marine Engineering Technology, Mechanical Engineering, Automobile Engineering or Electronics Engineering with minimum GPA 3.0

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

3.1.5.4 Master's Degree (NTA Level 9) in Maritime Law and International Trade

- A Holder of Bachelor Degree in Law, Banking/Commerce, Finance, Shipping and Logistics, Maritime Transport, Transport and supply Chain, Marine Engineering and Technology with minimum GPA of 2.7 or
- A holder of Advanced Diploma in Maritime Transport or Marine Engineering Technology with minimum GPA 3.

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

3.1.5.5 Master's Degree (NTA Level 9) in Maritime Transport and Nautical Science

- A holder of Bachelor degree in Maritime Transport, Maritime Transport and Nautical Science, Nautical Science or Navigation with minimum GPA of 2.7

- A holder of Advanced Diploma in Maritime Transport, Maritime Transport and Nautical Science, Nautical Science or Navigation with minimum GPA of 3.0

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

3.1.5.6 Master Degree (NTA Level 9) In Maritime Safety, Security and Environmental Management

- Holder of Bachelor Degree in Maritime Transport and Nautical Science, Marine Engineering Technology, Ship Design and Construction, Naval Architecture, Mechanical and Marine Engineering, Shipping and Logistics Management, Transport and Supply Chain Management, Logistics and Transport Management, Shipping and International Trade, Insurance and Social Security, Environmental Management, Environmental Engineering with minimum GPA 2.7; Or
- Holder of Advanced Diploma in a relevant field with minimum GPA 3.0; or
- Holder of Master or Chief Engineer Officer Certificate of Competency as per International Convention on Standards of Training Certification and Watchkeeping for Seafarers (STCW), 1978 as amended

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

NB:

i. *Applicants from foreign countries seeking to join the programme should obtain Secondary School Certificates equivalence from National Examination Council of Tanzania.*

ii. *Applicants who have obtained a university bachelor degree abroad and wish to pursue Master's Degree in the Dar es Salaam Maritime Institute, the certificates must be recognised by the TCU.*

iii. Applicants who have obtained certificates and diploma abroad and wish to continue with higher education is required to submit their certificate to NACTVET for verification.

3.1.6 Certificate of Competency Programmes

- Entry qualifications for Certificate of Competency programmes are

presented in the following sections. However, eligibility for admission is subject to approval from TASAC.

3.1.6.1 Officer in Charge of an Engineering Watch on Ships less than 750kW

- A Holder Certificate of Secondary Education Examination and has not less than 36 months seagoing service period. Or
- A Holder Certificate of Secondary Education Examination with 12 months approved seagoing service as rating.

Duration of the Course:
The duration of the course is 6 months.

3.1.6.2 Officer in Charge of a Navigation Watch on Ships less than 500GT

- A Holder Certificate of Secondary Education (CSE) with four passes including Mathematics, Physics/Engineering Science or Geography and English or Able seafarer with 6 months approved seagoing service as rating; or
- Holder of relevant NTA Level 6 certificate or ACSE with principal passes in Mathematics and Physics or Geography; or Master Near Coastal less than 500 GT Reg. II/3.6

Duration of the Course:
The duration of the course is 6 months.

3.1.6.3 Electro-Technical Officer

- A candidate who applies for this course must meet the entry requirements as explained in the two routes below:

A: 36-month seagoing service route

- A holder of Certificate of Secondary Education Examination with 4 passes including Mathematics, Physics/Engineering Science and Chemistry or a holder of a Certificate in Marine Engineering NTA level 4 or National Vocational Award (NVA) Level III in Electrical Engineering/Automobile Engineering and has 6 months Workshop skills training and 30 months of seagoing service.

B: 12-month seagoing service route

- A holder of ACSE with principal passes in Mathematics and Physics or Chemistry; or
- A holder of a relevant NTA level 6 of education or Full Technician Certificate (FTC).
- The candidate under this route will undergo 6 months Workshop skills training and 6 months of relevant approved seagoing service

Duration of the Course:
The duration of the course is one (1) academic year organized in two semesters.

3.1.6.4 Officer in Charge of an Engineering Watch

A candidate who applies for this course must meet the entry requirements as explained in the two routes below:

A: 36 months seagoing service route

- A holder of Certificate of Secondary Education Examination with 4 passes including Mathematics, Physics and English; or
- A Holder of a Technician Certificate in Marine Engineering NTA level 5

The candidate under this route will undergo a period of an approved seagoing service of not less than 36 months.

B: 12 months seagoing service route

- A holder of ACSE with 2 principal passes in Mathematics, Physics or Chemistry; or
- A Holder of CoC for Officer in Charge of Engineering Watch less than 750 kW

The candidate under this route will undergo a period of an approved seagoing service of not less than 12 months.

Duration of the Course:
The duration of the course is one (1) academic year organized in two semesters.

3.1.6.5 Officer in Charge of a Navigational Watch

- A holder of Certificate of Secondary Education Examination with 4 passes including Mathematics, Physics and English and has 36 months seagoing service as rating; or
- A Holder of a Technician Certificate in Maritime Transport NTA level 5 and has 36 months seagoing service as rating
- A holder of ACSE with 2 principal passes in Mathematics, Physics or Geography with 12 months of approved seagoing service; or
- Holder of Officer in Charge of a Navigational Watch on Ships less than 500GT with 12 months of approved seagoing service on board ship.

Duration of the Course:
The duration of the course is one (1) academic year organized in two semesters.

3.1.6.6 Master on Ships less than 500GT

- A holder of Officer in Charge of a Navigational Watch on Ships less than 500GT and have not less than 12 months of seagoing service on board ship as Officer in Charge of Navigation Watch on Ships less than 500GT.

Duration of the Course:
The duration of the course is six (6) months organized in one semester.

3.1.6.7 Master and Chief Mate on Ships between 500GT and 3000GT

- A holder of Certificate of Competency as officer in charge of a Navigational watch on ships of 500GT or more and has not less than 12 months of approved seagoing service.
- To qualify as a Master a candidate must have not less than 24 months seagoing service of which not less than 12 months of such sea service has been served as Chief Mate.

Duration of the Course:
The duration of the course is one (1) academic year organized in two semesters.

3.1.6.8 Master and Chief Mate

- A candidate who applies for this course must be a holder of certificate of competency as officer in charge of a navigational watch on ships of 500 gross tonnage or more and has not less than 12 months of approved seagoing service or 36 seagoing service.

3.1.6.9 Chief Engineer Officer and Second Engineer Officer on Ships between 750kW and 3000kW

- A holder of Certificate of Competency as officer in charge of an Engineering watch on seagoing ships powered by main propulsion machinery of 750 kW propulsion power or more and has not less than 12 months of seagoing service while qualified as officer in charge of an engineering watch.
- To qualify as a Chief Engineer officer a candidate must have not less than 24 months seagoing service of which not less than 12 months of such sea service has been served as Second Engineer Officer.

Duration of the Course:
The duration of the course is one (1) academic year organized in two semesters.

3.1.6.10 Chief Engineer Officer and Second Engineer Officer

- A holder of Certificate of Competency as officer in charge of an Engineering watch on seagoing ships powered by main propulsion machinery of 750 kW propulsion power or more and has not less than 12 months of seagoing service while qualified as officer in charge of an engineering watch.
- To qualify as a Chief Engineer officer a candidate must have not less than 24 months seagoing service of which not less than 12 months of such sea service has been served as Second Engineer Officer.

3.2 Procedures for Applications and Admission

3.2.1 Direct Entry Scheme

(i) Applicants are required to apply through DMI online link of **https://oas.dmi.ac.tz/login** in which the information about the modality and procedures for application will be accessible. For more information visit DMI website: **http://www.dmi.ac.tz.**

(ii) All applications with all necessary requirement/certificates are processed and finally selected applicants are notified through the Institute website or individual **oas.dmi.ac.tz** account.

(iii) Online applications must be accompanied by a non-refundable application fee of Tsh. 20,000/= (for NTA Level 4-7) and Tshs. 50,000/= (for NTA Level 9) for Tanzanian applicants, Tshs. 52,500 for Non- Tanzanians (for NTA Level 4-7) and 131,300 for Non-Tanzanians (for NTA Level 9) payable to the Dar es Salaam Maritime Institute using Control Number which will be generated by the applicant through individual **oas.dmi.ac.tz** account.

(iv) All interested candidates are required to fill the online application forms and complete within the announced deadline.

(v) Non-disclosure of details or provision of false information to any of the sections in the application form if discovered shall render the candidate's registration with the Dar es Salaam Maritime Institute cancelled.

3.3 Other Important Information Related to Admission

3.3.1 Registration

All students are required to register after they have paid prescribed fee within one month after commencement of the first semester.

3.3.2 Institute Regulations

Upon admission, all first year students must obtain and read thoroughly the following guidelines: (Other information can be accessed on DMI Website (http://www.dmi.ac.tz).

i. Students by Law
ii. Examination Guideline
iii. The Constitution of the Dar es Salaam Maritime Institute Students Organization (DAMISO).
iv. Library Regulations and library Manual
v. All admitted students are required to comply entirely with procedure and guidelines issued by DMI from time to time.

3.3.3 During registration every student must produce the following documents:

i. Admission letter sent to him/her
ii. A duly filled acceptance form to abide by the Institute Rules and Guidelines
iii. A duly filled medical examination form
iv. Original certificates, academic transcripts and statement of results and equivalence certificates for foreign students.
v. A birth certificate.
vi. 1 passport size
vii. All foreign students are required to apply for study permit from their nearest Tanzania Embassy.

3.3.4 Other Procedures

i. A student who has been selected but cannot register for any reason cannot defer the admission to the next academic year. Such students need to reapply.

ii. A student who postpones studies will be required to report at the Institute at the corresponding semester in the next academic year.

iii. No change of names by student is entertained during the course of study at the Institute. Names appearing on the original Certificate of Secondary Education Examination (CSEE) shall be used.

iv. No student is allowed to postpone studies after commencement of an academic year except under special circumstances. Permission to postpone studies is considered after producing satisfactory evidence for the reasons of postponement. The duration for postponement of studies shall be not more than two consecutive semesters.

v. Students discontinued from studies on academic grounds may be readmitted to a different programme in the immediate next academic year or in the same programme after lapse of two years.

vi. Students discontinued from studies on disciplinary/misconduct grounds are barred from readmission to any programme at the Institute.

CHAPTER 4: PROGRAMME AND SEMESTER MODULE ARRANGEMENT

4.1 National Technical Award (NTA) System

4.1.1 Range of Score and Grade Points Average

NTA Level 4 and 5

S/N	Grade	Description	Score ranges	Grade point
1	A	Excellent	80-100	4.0
2	B	Good	65-79	3.0
3	C	Satisfactory	50-64	2.0
4	D	Poor	40-49	1.0
5	F	Failure	0.0-39	0.0
6	I	Incomplete		
7	Q	Disqualified		

NTA Level 6

S/N	Grade	Description	Score ranges	Grade Point
1	A	Excellent	75-100	5.0
2	B^+	Very Good	65-74	4.0
3	B	Good	55-64	3.0
4	C	Satisfactory	45-54	2.0
5	D	Poor	35-44	1.0
6	F	Failure	0.0-34	0.0
7	I	Incomplete		
8	Q	Disqualified	0.0	0.0

NTA Level 7,8 and Postgraduate

S/N	Grade	Description	Score ranges	Grade point
1	A	Excellent	70-100	5.0
2	B+	Very Good	60-69	4.0
3	B	Good	50-59	3.0
4	C	Satisfactory	40-49	2.0
5	D	Poor	35-39	1.0
6	F	Failure	0.0-34	0.0
7	I	Incomplete		
8	Q	Disqualified	0.0	0.0

NTA Level 9

S/N	Grade	Description	Score ranges	Grade point
1	A	Excellent	70-100	5.0
2	B+	Very Good	60-69	4.0
3	B	Good	50-59	3.0
4	C	Poor	40-49	2.0
5	F	Failure	0.0-39	0.0

4.1.2 Classification of Awards

NTA Level 4 and 5

Class of Awards	Cumulative GPA
First Class	3.5 – 4.0
Second Class	3.0 – 3.4
Pass	2.0 – 2.9

NTA Level 6, 7, 8 and Postgraduate Diploma

Class of Awards	Cumulative GPA
First Class	4.4 – 5.0
Upper Second Class	3.5 – 4.3
Lower Second Class	2.7 – 3.4
Pass	2.0 – 2.6

NTA LEVEL 9

Class of Awards	Cumulative GPA
First Class	4.4 – 5.0
Second Class	3.5 – 4.3
Pass	3.0 – 3.4

4.1.3 Computation of Results

$$\text{GPA} = \frac{\sum(P \times N)}{\sum N}$$

Where, P is a Grade point to a letter grade scored in a module
N is the number of credits associated with a module

Note: *The Grade Point Average (GPA) is computed by truncating to a single decimal point*

4.1.4 Basic Technician Certificate (NTA Level 4) in Marine Operations (BTCMO)

Aim of the Programme

This programme aims to provide the student with basic concepts and knowledge of ship board operations and workshop practice and practical seamanship.

Purpose of Qualification

This qualification is intended for a person who will be undertaking watch tasks at supporting level in marine Engineering/Navigation. The qualification is also intended for a person who will work ashore in a maritime industry and or engineering related enterprises.

Module Arrangement

Semester 1

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MOT 04101	Basic Maritime Safety and Security	Core	4	0	2	0	9
2.	MOT 04102	Rating Forming Part of a Navigational Watch	Core	4	0	2	0	9
3.	MOT 04103	Rating Forming Part of an Engineering Watch	Core	4	0	2	0	9
4.	MOT 04104	General Physics	Fundamental	2	1	0	1	6
5.	MOT 04105	Nautical Knowledge	Core	4	1	0	1	9
6.	MOT 04106	Maritime English	Fundamental	2	1	0	1	6
7.	SLT 04105	Arithmetic, Indices and Algebra	Fundamental	2	1	0	1	6
8.	SLT 04106	Basics of Computer Application	Fundamental	2	1	1	0	6
Subtotal				**18**	**8**	**9**	**5**	**60**
Total hrs per week				**40**				

Semester 2

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MOT 04207	Workshop Practice	Core	4	0	4	0	12
2.	MOT 04208	Ethics And Professional Skills	Fundamental	2	1	0	1	6
3.	MOT 04209	Engineering Knowledge	Core	4	0	1	1	9
4.	MOT04210	Simulator Practices	Core	4	1	2	1	12
5.	MOT 04211	Basics of Radio Communications	Core	4	0	2	0	9
6.	MOT 04212	Shipboard Safety	Core	2	0	2	0	6
7.	MOT 04213	Heat Energy Transfer	Fundamental	2	0	2	0	6
Subtotal				**16**	**3**	**15**	**6**	**60**
Total hrs per week				**40**				

4.1.5 Basic Technician Certificate (NTA Level 4) in Shipping and Logistics Management-(BTCSLM)

Aim of the Programme

This programme aims to produce the students with basic concept and knowledge to work in logistics, ports and supply chain networking

Purpose of Qualification

This qualification is intended for a person who will be undertaking shipping and logistics tasks at routine level.

Module Arrangement

Semester 1

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLT 04101	Basics of International Logistics	Core	2	1	2	1	9

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
2.	SLT 04102	Transport Geography	Core	4			2	9
3.	SLT 04103	Basics of Marketing and Customer Services	Core	2	1	2	1	9
4.	SLT 04104	Ships Knowledge	Core	2	1	2	1	9
5.	SLT 04105	Arithmetic, Indices and Algebra	Fundamental	4	1	2	1	12
6.	SLT 04106	Basics of Computer Applications	Fundamental	2		2		6
7.	SLT 04107	Basics of Communication Skills	Fundamental	2		2		6
Subtotal				**18**	**4**	**12**	**6**	**60**
Total hrs per week				**40**				

Semester 2

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLT 04208	Business and Shipping Practice	Core	2	1	2	1	9
2.	SLT 04209	Warehousing and Inventory	Core	3	1	1	1	9
3.	SLT 04210	Basics of Shipping and Insurance Management	Core	3	1	1	1	9
4.	SLT 04211	Dangerous Goods	Core	3	1	1	1	9
5.	SLT 04212	Basics of Overseas Trade Law	Core	3		2	1	9
6.	SLT 04213	Freight Transport Services	Core	2	1	2	1	9
7.	SLT 04214	Communication Skills	Fundamental	2		2		6
Subtotal				**18**	**5**	**11**	**6**	**60**
Total hours per week				**40**				

4.1.6 Basic Technician Certificate (NTA Level 4) in Naval Architecture and Offshore Engineering (BTCNAOE)

Aims of the Programme
This programme aims to provide the students with basic concepts and skills of naval architecture and offshore engineering, knowledge of shipyard, offshore structures constructions and workshop practice.

Purpose of Qualification
This qualification is intended for a person who will be undertaking naval architecture and offshore engineering tasks at routine level.

Module Arrangement
Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	MOT 04101	Basic Maritime Safety and Security	Core	4	0	6	0	15
2.	MOT 04102	Ethics and Professional Skills	Fundamental	2	1	0	1	6
3.	MET 04103	Rating Forming Part of an Engineering watch	Core	4	1	4	1	15
4.	SLT 04103	Maritime English for Naval Architecture	Fundamental	4	1	0	1	9
5.	NAT 04101	Ship Geometry and Models	Core	4	1	4	1	15
Subtotal				**18**	**4**	**14**	**4**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	NAT 04202	Ship Knowledge	Core	4	1	2	1	12
2.	NAT 04203	Offshore Structures and Systems	Core	4	1	2	1	12
3.	NAT 04204	Shipyard Safety	Core	4	1	2	1	12
4.	NAT 04205	Engineering Drawing	Core	2	1	2	1	9
5.	SLT 04204	Computer Application for	Fundamental	2	0	2	0	6

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
		Naval Architecture						
6.	NAT 04206	Industrial Training	Core	0	0	6	0	9
Subtotal				**16**	**4**	**16**	**4**	**60**
Total hrs per Week				**40**				

4.1.7 Basic Technician Certificate (NTA Level 4) in Procurement, Logistics and Supply Chain Management (BTCPLSM)

Aims of the Programme
The aim of the programme is to produce graduate with basic concepts and knowledge in Procurement logistics and supply management in order to handle processes in procurement, requisitions, deliveries and warehousing, fleet management and intermodal transport networking.

Purpose of Qualification
This qualification is intended for person who will be undertaking duties in port, logistics and supply chain operations.

Module Arrangement
Semester 1

No	Code	Module Name	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PST 04101	Logistics Business Environment	Core	4	2	2	2	**15**
2.	PST 04102	Procurement Skills	Core	4	1	2	1	**12**
3.	SLT 04106	Computer Applications	Fundamental	4	1	2	1	**12**
4.	SLT 04105	Arithmetic, Indices and Algebra	Fundamental	4	1	2	1	**12**
5.	SLT 04114	Communication Skills	Fundamental	4		1	1	**9**
Subtotal				**20**	**5**	**9**	**6**	**60**
Total Hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PST 04203	Logistics Integration, Operation and Customer Services	Core	4	2	2	2	**15**
2.	PST 04204	Supply Chain Management Skills	Core	4	1	2	1	**12**
3.	PST 04205	Inventory and Warehousing Management	Core	4	1	2	1	**12**
4.	PST 04206	Legal Aspect of Business Logistics	Core	4	1	2	1	**12**
5.	MOT 04203	Ethics and Professional Skills	Fundamental	4		1	1	**9**
Subtotal				**20**	**5**	**9**	**6**	**60**
Total hrs per week				**40**				

4.1.8 Basic Technician Certificate (NTA Level 4) in Transport and Supply Chain Management (BTCTSM)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Transport and supply management in order to handle processes in transport, logistics, fleet management, intermodal transport networking and imbuing positive attitudes toward work and professional advancement.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in Transport and supply chain management at routine level.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	TST 04101	Fundamentals of Transport	Core	2	1	4	1	12
2.	TST 04102	Basics of Logistics and	Core	2	1	4	1	12

		Supply Chain Management						
3.	TST 04103	Elements of Freight Transport Services	Core	2	1	4	1	12
4.	SLT 04105	Arithmetic, Indices and Algebra	Core	2	1	2	1	9
5.	SLT 04106	Basics of Computer Applications	Core	2	1	2	1	9
6.	SMT 04112	Basics of Communication Skills	Fundamental	1	1	1	1	6
Subtotal				**11**	**6**	**17**	**6**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	**Code**	**Module Title**	**Class**	**Scheme of study Hrs/ Week**				
				L	**T**	**P**	**AS**	**Credits**
1.	TST 04201	Elements of Fleet Management and Operations	Core	2	1	4	1	12
2.	SLT 04214	Communication Skills	Fundamental	1	1	1	1	6
3.	TST 04202	Basics of Marketing and Customer Services	Fundamental	2	2	4	2	15
4.	TST 04203	Fundamental of Urban and Rural Transportation	Core	2	2	4	2	15
5.	TST 04204	Basics of passenger Transport Services	Core	2	1	4	1	12
Subtotal				**9**	**7**	**17**	**7**	**60**
Total hrs per Week				**40**				

4.1.9 Basic Technician Certificate (NTA Level 4) in Oil and Gas Engineering (BTCOGE)

Aims of the Programme

The aim of this programme is to enable graduates to integrate knowledge and skills in execution of oil and gas engineering operations.

Purpose of Qualification

The qualification is intended for individuals who will apply oil and gas knowledge and skills in petroleum offshore safety induction and emergency training principles, petroleum workshop equipment manufacturing principles, petroleum engineering principles, and chemical engineering principles. They will also apply communication skills, as well as computer and mathematical principles, to carry out various activities in the oil and gas industry.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	OGT 04101	Safety at Sea	Core	1	1	4	2	12
2.	OGT 04102	Communication skills	Fundamental	2	2		2	9
3.	OGT 04103	Petroleum Operations	Core	2	1	2	1	10
4.	OGT 04104	Algebra, Logarithmic and Mensuration	Fundamental	2	2		2	9
5.	OGT 04105	Workshop Practice	Core	2	1	3	2	11
6.	OGT 04106	Computer Applications	Fundamental	2	1	2	1	9
Subtotal				**11**	**8**	**11**	**10**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	OGT 04207	Occupational Health, Safety and Environment Protection	Core	2	1	2	1	9
2.	OGT 04208	Electrical Engineering	Fundamental	2	1	2	1	6
3.	OGT 04209	Welding and Fabrication Practices	Core	1	1	3	1	9
4.	OGT 04210	Petroleum Geology	Core	1	1	2	2	9
5.	OGT 04211	Reservoir Fluid Properties	Core	2	1	2	1	9
6.	OGT 04212	Petroleum Chemistry	Core	2	1	2	1	9
7.	OGT 04213	Industrial Training	Core					9
Subtotal				**10**	**6**	**13**	**7**	**60**
Total hrs per Week				**36**				

4.1.10 Basic Technician Certificate (NTA Level 4) in Mechanical and Marine Engineering (BTCMME)

Aims of the Programme

This programme develops routine-level personnel for the maritime and manufacturing industries, equipping them with basic Mechanical and Marine Engineering skills, knowledge of shipboard and industrial operations, and the ability to work as engine room ratings with pathways to advance to operational roles

Purpose of Qualification

This qualification is intended for a person who will assist to operate, maintain and repair mechanical and marine machineries in a production industries and on-board ships.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	MMT 04101	Maritime Safety and Security	Core	2	0	4	1	12
2.	MMT 04102	Technical Drawing	Core	2	0	4	2	12
3.	MMT 04103	Engine Room Rating	Core	2	1	4	0	12
4.	MMT 04104	Electrodynamics	Fundamental	2	1	2	1	6
5.	MMT 04105	Technical English	Core	2	1		1	6
6.	MMT 04106	Algebra and Ship Geometry	Fundamental	2	1	0	1	6
7.	MMT 04107	Chemistry	Fundamental	2	0	2	0	6

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
Subtotal				14	**4**	**14**	**8**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	MMT 04208	Engineering Workshop	Core	2	0	5	1	12
2.	MMT 04209	Engineering Knowledge for ship	Core	2	1	1	0	9
3.	MMT 04210	Electrical Systems	Core	2	0	2	0	6
4.	MMT 04211	Material technology	Fundamental	2	2	0	1	6
5.	MMT 04212	Mechanics of Moving Bodies	Fundamental	2	1	0	1	6
6.	MMT 04213	Computer Application	Core	2	0	2	1	6
7.	MMT 04214	Maritime English	Core	2	1	0	1	3
8.	MMT 04215	Maritime Conventions	Core	2	0	0	1	3
9.	MMT 04216	Industrial Practical Training	Core	0	0	6	0	9
Subtotal				**14**	**5**	**16**	**5**	**60**
Total hrs per Week				**40**				

4.1.11 Basic Technician Certificate (NTA Level 4) in Marine Welding and Fabrication (BTCMWF)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Welding and Fabrication in order to develop skills of welding and fabrication through practical works in an engineering workshop.

Purpose of Qualification

The qualification is intended to produce qualified skilled welder at a basic technician level who will have knowledge and skills in execution of welding and fabrication engineering.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	WFT 04101	Basics of Engineering Materials	Core	4	2	1	1	**12**
2.	WFT 04102	Welding Drawing and Designation	Core	4	1	2	1	**12**
3.	WFT 04103	Communication and Reporting Skills	Fundamental	2	2	0	2	**9**
4.	WFT 04104	Arithmetic, Algebra, and Geometry	Fundamental	2	2	0	2	**9**
5.	WFT 04105	Basics of Computer Applications	Core	3	1	1	1	**9**
6.	WFT 04106	Basics of Entrepreneurship Skills	Fundamental	3	1	0	2	**9**
Subtotal				**18**	**9**	**4**	**9**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	WFT 0407	Workshop Practice	Core	2	1	4	1	12
2.	WFT 04208	Basics of Mechanics	Fundamental	2	1	0	1	6
3.	WFT 04209	Basics of Electrical Machines	Core	2	0	1	1	6
4.	WFT 04210	Basics of Welding and Fabrication Practices	Core	2	1	4	1	12
5.	WFT 04211	Health, Safety and Environment	Fundamental	2	0	1	1	6
6.	WFT 04212	Basics of Welding Metallurgy	Core	2	1	1	0	6
7.	WFT 04213	Industrial Practical Training	Core	0	0	8	0	12
Subtotal				**12**	**4**	**19**	**5**	**60**
Total hrs per Week				**40**				

4.1.12 Basic Technician Certificate (NTA Level 4) in Cargo Tallying and Supply Chain Management (BTCCTSM)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in cargo and supply chain system management in order to handle processes in cargo tallying, logistics and supply chain system weigh, measure, check, record and imbuing positive attitudes toward work and professional advancement.

Purpose of Qualification

This qualification is intended for person who will undertake cargo tallying duties in supply chain network; the person shall examine, count, weigh, measure check, sample, record, monitor, evaluate, analyse, estimate forecast and verify cargo conditions at wharves, loading/unloading docks, warehouses, airports, shipping companies and maintain shipment and loss/damage register.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	CTT 04101	Shipping Communication and Reporting Skills	Fundamental	3	1	1	1	9
2.	CTT 04102	Arithmetic, Algebra and Geometry	Core	4	1	1	2	12
3.	CTT 04103	Port Operations and Hinterland Logistics	Core	2	0	1	1	6
4.	CTT 04104	Basics of Marketing and Customer Services	Fundamental	4	1	1	2	12
5.	CTT 04105	Basic Computer Applications	Fundamental	4	1	0	1	9
6.	CTT 04106	Basics Entrepreneurship Skills	Core	4	2	1	1	12
Subtotal				**21**	**6**	**5**	**8**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	CTT 04207	Elements of Freight Transport Services	Core	4	2	1	1	12
2.	CTT 04208	Port and Cargo Security, Safety and Environment	Core	4	2	1	1	12
3.	CTT 04209	Marine Insurance	Core	4	2	1	1	12
4.	CTT 04210	Cargo Tallying Operations	Core	4	2	2	2	15
5.	CTT 04211	Basics of Statistics	Core	3	1	1	1	9
Subtotal				**19**	**9**	**6**	**6**	**60**
Total hrs per Week				**40**				

4.1.13 Technician Certificate (NTA Level 5) in Maritime Transport and Nautical Science (TCMTNS)

Aims of the Programme

This programme aims to provide the student with basic concepts and knowledge of ship board operations and practical seamanship.

Purpose of Qualification

This qualification is intended for persons who will bedeck officers in charge of a navigational watch on-board ship of less than 500 gross tonnages engages on near coastal voyages and also participate in the operations of maritime enterprises ashore.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNT 05101	Maritime Safety and Security	Core	2	0	2	0	6
2.	MNT 05102	Compasses	Core	2	1	1	0	6
3.	MNT 05103	Principles of Navigation	Core	4	0	2	0	9
4.	MNT 05104	Watch keeping	Core	2	1	2	1	9
5.	MNT 05105	Cargo Operations	Core	2	1	2	1	9
6.	MNT 05107	Trigonometry and Coordinate	Fundamental	4	1	-	1	9

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Geometry						
7.	SLT 05103	Computer Applications	Fundamental	2	0	2	0	6
8.	MNT 05108	Basics of Applied Science	Fundamental	2	0	2	0	6
Subtotal				**20**	**4**	**13**	**3**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNT 05209	Electronic Navigation Systems	Core	2	0	1	1	6
2.	MNT 05210	Coastal Navigation	Core	2	0	2	0	6
3.	MNT 05211	Basics of Ship Stability	Core	2	0	2	0	6
4.	MNT 05212	Global Maritime Distress Safety and System	Core	2	0	1	1	6
5.	MNT 05213	Ship Construction	Core	2	0	2	0	6
6.	MNT 05214	Visual Communication	Core	2	1	0	1	6
7.	MNT 05215	Basics of Meteorology	Core	2	1	0	1	6
8.	MNT 05216	Intermediate Maritime English	Fundamental	2	1	0	1	6
9.	MNT 05217	Industrial Practical Training	Core	0	0	8	0	12
Subtotal				**16**	**3**	**16**	**5**	**60**
Total hrs per week				**40**				

4.1.14 Technician Certificate in (NTA Level 5) Marine Engineering (TCME)

Aims of the Programme

This programme aims to provide the student with basic concepts and skills in marine engineering, ships' knowledge, construction and operation and workshop practice.

Purpose of Qualification

This qualification is intended for a person who will be undertaking engine room watchkeeping tasks at support level on board ship. The qualification is also intended for a person who will work ashore in a maritime industry or engineering related enterprises.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNT 05101	Maritime Safety and Security	Core	2	0	2	0	6
2.	MET 05101	Engine Room Watchkeeping	Core	2	1	2	1	9
3.	MNT 05106	Basics of Communication Skills	Fundamental	2	1	0	1	6
4.	MET 05102	Operation Workshop Machinery	Core	2	0	8	0	15
5.	MNT 05107	Trigonometry and Coordinate Geometry	Fundamental	2	1	0	1	6
6.	SLT 05103	Computer Applications	Fundamental	2	0	2	0	6
7.	MET 05103	Thermodynamics	Core	2	1	4	1	12
Subtotal				**14**	**4**	**18**	**4**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MET 05204	Elementary Technical Drawing	Core	2	0	2	0	6
2.	MET 05205	Electric Circuits	Core	2	0	2	0	6
3.	MET 05206	General Engineering Knowledge	Core	2	1		1	6
4.	MNT 05216	Intermediate Maritime English	Fundamental	2	1		1	6
5.	MET 05207	Basics of Vector Algebra and Complex Numbers	Fundamental	2	1		1	6
6.	MET 05208	Maintenance of Marine Machinery	Core	2	0	6	0	12
7.	MET 05209	Basics of Marine Diesel Engines	Core	2	0	2	0	6
8.	MET 05210	Industrial Practical Training	Core	0	0	8	0	12
Subtotal				**14**	**3**	**20**	**3**	**60**
Total hrs per week				**40**				

4.1.15 Technician Certificate (NTA Level 5) in Shipping and Logistics Management (TCSLM)

Aims of the Programme

This programme aims to produce the students with basic concept and knowledge to work in logistics, ports and supply chain networking.

Purpose of Qualification

This qualification is intended for people who will be undertaking shipping and logistics activities some of are non-routine.

Module Arrangement

Semester 1

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLT 05101	Logistics and Transport Environment	Core	4	2			9
2.	SLT 05102	Management of Shipping Operations	Core	4		1	1	9
3.	SLT 05103	Computer Applications	Core	2		2		6
4.	SLT 05104	Freight Operations	Core	2	2			6
5.	SLT 05105	Customer Services and Quality Management	Core	2	2	1	1	9
6.	SLT 05106	International Marine Cargo Management	Core	4	2	1	1	12
7.	SLT 05107	Basics of Customs Procedures and Regulations	Fundamental	4		1	1	9
Subtotal				**22**	**8**	**6**	**5**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLT 05208	Management of the International Supply Chain and Logistics	Core	4	0	1	1	9
2.	SLT 05209	International Transport Geography	Core	2	0	1	1	6
3.	SLT 05210	Port Operations	Core	2	0	1	1	6
4.	SLT 05211	Shipping and Insurance Management	Core	2	0	1	1	6
5.	SLT 05212	Financial Aspects of Shipping.	Core	2	0	1	1	6

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
6.	SLT 05213	Basic of E-commerce	Fundamental	2	0	1	1	6
7.	SLT 05214	Basics of Oil, Gas and Chemical Operations	Fundamental	4	0	1	1	9
8.	SLT 05215	Industrial Training	Core	0	0	8	0	12
Subtotal				**16**		**7**	**7**	**60**
Total hrs per week				**30**				

4.1.16 Technician Certificate (NTA Level 5) in Naval Architecture and Offshore Engineering (TCNAOE)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Procurement logistics and supply management in order to handle processes in Procurement/procurement, requisitions, deliveries warehousing, fleet management and intermodal transport networking in port, logistical and supply chain environments.

Purpose of Qualification

This qualification is intended for a person who will be undertaking naval architecture tasks at no-routine level in shipyard or offshore engineering industry.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAT 05101	Workshop Practice	Core	2	0	6	0	12
2.	MNT 05107	Trigonometry and Coordinate Geometry	Fundamental	4	1	0	1	9
3.	NAT 05102	Engineering Drawing	Core	4	0	2	0	9
4.	NAT 05103	Engineering Physics	Fundamental	2	1	0	1	6
5.	NAT 05104	Machinery Systems and Installation	Core	4	1	2	1	12
6.	NAT 05105	Statics of Marine Structures and	Core	4	1	2	1	12

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Hydrodynamics						
Subtotal				**20**	**4**	**12**	**4**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MET 05207	Vector Algebra and Complex Numbers	Fundamental	2	1	0	1	6
2.	NAT 05206	Computer Aided Design	Core	2	0	6	0	12
3.	MET 05205	Electric Circuits	Core	2	0	4	0	9
4.	NAT 05207	Dockyard Practices	Core	2	0	4	0	9
5.	NAT 05208	Offshore Systems	Core	2	1	2	1	9
6.	MNT 05216	Intermediate Maritime English	Fundamental	2	1	0	1	6
7.	NAT 05209	Industrial Training	Core	0	0	6	0	9
Subtotal				**12**	**3**	**22**	**3**	**60**
Total hrs per week				**40**				

4.1.17 Technician Certificate (NTA Level 5) in Procurement, Logistics and Supply Chain Management (TCPLSM)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Procurement logistics and supply management in order to handle processes in Procurement/procurement, requisitions, deliveries warehousing, fleet management and intermodal transport networking in port, logistical and supply chain environments.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in port, shipping and logistics operations.

Module Arrangement

Semester 1

S/N	Code	Module Name	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PST 05101	Logistical Value Chain Structure	Core	4	2	1	1	12
2.	PST 05102	Logistics Costing Principles and Financing	Core	4	2	1	1	12
3.	PST 05103	Materials handling Systems and Operations	Core	4	2	1	1	12
4.	PST 05104	Customs Procedures and Regulations	Fundamental	4	0	1	1	9
5.	PST 05105	Procurement Strategies	Core	4	2	2	2	15
Subtotal				**20**	**8**	**6**	**6**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Name	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PST 05206	Logistical Services Quality Management	Core	4	2	1	1	12
2.	PST 05207	Information Technology in Supply Chain	Core	4	1	2	1	12
3.	PST 05208	Port and Terminal Operations	Core	2	1	0	1	6
4.	SLT 05208	Management of the International Supply Chain and Logistics	Fundamental	4	2	1	1	12
5.	SLT 05213	Basic of E-commerce	Fundamental	2	1	0	1	6
6.	PST 05209	Industrial Training	Core	0	0	8	0	12
Subtotal				**16**	**7**	**12**	**5**	**60**
Total hrs per week				**40**				

4.1.18 Technician Certificate (NTA Level 5) in Transport and Supply Chain Management (TCTSM)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Transport and supply chain management in order to handle processes in Transportation, logistics, warehousing, fleet management and intermodal transport networking, port and transport terminals.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in Transport and Supply Chain management in a broad range of work activities some of are non-routine

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	SLT 05101	Logistics and Transport Environment	Core	2	2	3	1	12
2.	SLT 05107	Basics of Customs Procedures and Regulations	Fundamental	2	2	3	1	12
3.	TST 05101	Transportation Planning and Policy	Core	2	2	4	2	15
4.	TST 05102	Management of International Logistics and Supply Chain	Core	2	2	3	1	12
5.	TST 05103	Basic Information Technology in Supply Chain	Fundamental	2	1	2	1	9
Subtotal				**10**	**9**	**15**	**6**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week

				L	T	P	AS	Credits
1.	TST 05201	Management of Transport Operations	Core	2	2	4	2	15
2.	SLT 05209	International Transport Geography	Core	2	1	2	1	9
3.	TST 05202	Port Operations and Terminal Management	Core	2	1	2	1	9
4.	TST 05203	Research Methodology	Fundamental	2	0	3	1	9
5.	SLT 05203	Basics of Oil, Gas and Chemical Operations	Core	2	0	3	1	9
6.	TST 05204	Industrial Training	Core	0	0	6	0	9
Subtotal				**10**	**4**	**20**	**6**	**60**
Total hrs per Week				**40**				

4.1.19 Technician Certificate (NTA Level 5) in Oil and Gas Engineering (TCOGE)

Aims of the Programme

This programme aims to provide the student with basic concepts and skills and its operations in oil and gas engineering.

Purpose of Qualification

The qualification is intended for a person who will have ability to: record parameters in oil and gas well, collect data in oil and gas projects and pack drilling bits, support field personnel in managing the production data, participate in compiling and forecasting production expense data.

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	OGT05101	Workshop Machinery	Core	2	1	6	1	15
2.	OGT05102	Trigonometry and Coordinate Geometry	Fundamental	2	1	0	1	6
3.	OGT05103	Basic of Well Logging	Core	2	0	2	2	9
4.	OGT05104	Fundamentals of Reservoir Rock Properties	Core	2	1	1	0	6
5.	OGT05105	Stratigraphy and Structural Geology	Core	2	2	2	2	12

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
6.	OGT05106	Oil and Gas Exploration Technology	Core	2	2	2	2	12
Subtotal				**12**	**7**	**13**	**8**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	OGT05207	Communication for Technical Professional	Fundamental	2	0	1	1	6
2.	OGT05208	Engineering Drawing	Core	2	1	1	2	9
3.	OGT05209	Maintenance of Machines	Core	2	1	2	1	9
4.	OGT05210	Basic of Drilling Technology	Core	2	1	2	1	9
5.	OGT05211	Materials Science and Engineering	Core	2	1	1	0	6
6.	OGT05212	Chemistry of Oil and Gas	Core	2	1	2	1	9
7.	OGT05213	Industrial Training	Core	0	0	8	0	12
Subtotal				**12**	**5**	**17**	**6**	**60**
Total hrs per Week				**40**				

4.1.20 Technician Certificate (NTA Level 5) in Mechanical and Marine Engineering (TCMME)

Aims of the Programme

This programme aims to provide the student with understanding, concepts and skills mechanical and ship board operations.

Purpose of Qualification

The qualification is intended for a person who will be mechanical and marine technician in a ship and production industries with duties of handling, operation, watch keeping, maintenance and repair of machineries in a ship and production industries.

Semester 1

S/N	Code	Module Title	Class	Scheme of Study

				Hrs/Week				
				L	T	P	AS	Credits
1	MMT 05101	Advanced Safety at Sea	Core	2	2	2	0	9
2	MMT 05102	Elementary Communication Skills	Fundamental	2	1	0	1	6
3	MMT 05103	Marine Diesel Engine	Core	2	1	4	1	12
4	MMT 05104	Workshop Machine Tools	Core	2	0	6	0	12
5	MMT 05105	Mechanics of Machines	Core	4	1	2	1	12
6	MMT 05106	Trigonometry and Coordinate Geometry	Fundamental	2	2	0	2	9
Subtotal				14	7	14	5	**60**
Total Hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	MMT 05207	Basics of Vector Algebra and Complex Numbers	Fundamental	2	1		1	6
2.	MMT 05208	Engineering Drawing	Core	1	0	3	0	6
3.	MMT 05209	Marine Engineering Knowledge	Core	2	0	3	1	9
4.	MMT 05210	Maintenance of Marine Machinery	Core	2	0	4	0	9
5.	MMT 05211	Industrial Electrical Installations	Core	2	1	2	1	9
6.	MMT 05212	Computer Aided Drafting	Fundamental	1	0	3	0	6
7.	MMT 05213	Industrial Training	Core	0	0	10	0	15
Subtotal				**10**	**2**	**25**	**3**	**60**
Total hrs per Week				**40**				

4.1.21 Technician Certificate (NTA Level 5) in Welding and Fabrication (TCWF)

Aims of the Programme

This aims to produce graduate with concepts and knowledge in welding and fabrication in order to provide students with understand, skills and knowledge of marine welding and fabrication engineering; develop skills of marine welding and fabrication engineering through workshop practices.

Purpose of Qualification

The qualification is intended to produce a qualified skilled welder at a technician level who will have knowledge and skills in execution of welding and fabrication engineering tasks.

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	WFT05101	Computer Aided Design (CAD)	Core	2	0	2	0	6
2.	WFT05102	Basic of Calculus	Fundamental	2	1	0	1	6
3.	WFT05103	Welding Drawing and Standards	Core	2	1	1	0	6
4.	WFT05104	Steel structure	Core	2	1	2	1	9
5.	WFT05105	Welding and Fabrication Technology	Core	4	2	0	2	12
6.	WFT05106	Equipment of Welding Processes	Core	4	1	2	1	12
7.	WFT05107	Workshop Machinery	Core	2	0	4	0	9
Subtotal				**18**	**6**	**11**	**5**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	WFT05208	Welding Metallurgy	Core	4	1		1	9
2.	WFT05209	Welding and Fabrication Practice	Core	4	1	4	1	15
3.	WFT05210	Maintenance of Welding Equipment	Core	4	1	2	1	12

4.	WFT05211	Project Supervision	Core	2	1		1	6
5.	WFT05212	Basic Statistics	Fundamental	2	0	1	1	6
6.	WFT05213	Industrial Practical Training	Core	0	0	8	0	12
Subtotal				**16**	**4**	**15**	**5**	**60**
Total hrs per Week				**40**				

4.2 Ordinary Diploma (NTA Level 6) in Maritime Transport and Nautical Science (ODMTNS)

Aims of the Programme

This programme aims to provide the student with concepts, principles of maritime navigation, ships' knowledge, ships' construction and operation and ability to apply IT in maritime transport tasks.

Purpose of Qualification

This qualification is intended for persons who will be officers in charge of navigational watch on board ships of 500 Gross Tonnage or more and also assist at operational tasks.

Module Arrangement

Semester 1

	Code	**Module Title**	**Class**	**Scheme of Study Hrs/ Week**				**Credits**
				L	**T**	**P**	**AS**	
1.	MNT 06101	Ship Stability	Core	4	1	2	1	12
2.	MNT 06102	Watch keeping	Core	4	1	2	1	12
3.	SLT 06107	Basics of Quantitative Techniques	Fundamental	2	1	2	1	9
4.	MNT 06103	Ocean and Offshore Navigation	Core	6	1	2	1	12
5.	MNT 06104	Basics of Maritime law	Core	2	1	1		6
6.	MNT 06105	Marine Pollution Control	Core	2	1	2	1	9
Subtotal				**18**	**6**	**11**	**5**	**60**
Total hrs per week			**40**					

Semester 2

	Code	**Module Title**	**Class**	**Scheme of Study Hrs/ Week**	**Credits**

				L	T	P	AS	
1.	MNT 06206	Meteorology	Core	2	1	2	1	9
2.	MNT 06207	Human Resources Management	Fundamental	2	1	2	1	9
3.	SLT 06209	Economics of Maritime operations	Core	2	1	1	0	6
4.	MNT 06208	Basics of Port Operations	Core	2	1	1	0	9
5.	MET 06215	Basics of Calculus	Fundamental	2	1	1	0	6
6.	SLT 06210	Basics of Entrepreneurship Practices	Fundamental	2	1	2	1	9
7.	MNT 06209	Project	Core					12
Subtotal				**14**	**7**	**16**	**3**	**60**
Total hrs per week				**40**				

4.2.1 Ordinary Diploma (NTA Level 6) in Marine Engineering (ODME)

Module Arrangement
Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MET 06101	Engineering Mechanics	Core	2	1	0	1	6
2.	MET 06102	Fundamentals of Refrigeration and Air Conditioning	Core	2	0	2	0	6
3.	MET 06103	Technical Drawing	Core	2	0	6	0	12
4.	MET 06104	Welding and Fabrication	Core	2	0	6	0	12
5.	MET 06105	Electro-technology	Core	2	0	2	0	6
6.	MET 06106	Diesel and Steam Turbine Engines	Core	2	0	2	0	6
7.	MET 06107	Marine Auxiliary Machinery	Core	2	0	2	0	6

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
8.	SLT 06107	Basics of Quantitative Techniques	Fundamental	2	0	0	0	3
9.	MNT 06104	Basics of Maritime Law	Fundamental	2	0	0	0	3
Subtotal				**18**	**1**	**20**	**1**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MET 06208	Fundamentals of Marine Electronics	Core	2	0	2	2	9
2.	MET 06215	Basics of Calculus	Fundamental	2	0	0	0	3
3.	MET 06209	Naval Architecture and Ship Construction	Core	2	1	0	1	6
4.	MET 06210	Instrumentation and Control	Core	2	0	6	0	12
5.	SLT 06209	Economics of Maritime Operations	Fundamental	2	0	0	0	3
6.	MNT 06207	Basics of Port Operations	Fundamental	2	0	0	0	3
7.	MET 06211	Maintenance of Auxiliary Machinery	Core	2	0	2	0	6
8.	MET 06212	Marine Engineering Watchkeeping	Core	2	0	2	0	6

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
9.	MET 06213	Ethics and Professional Skills	Fundamental	2	0	0	0	3
10.	MET 06214	Project	Core	0	0	6	0	9
Subtotal				**18**	**1**	**18**	**3**	**60**
Total hrs per Week			**40**					

4.2.2 Ordinary Diploma (NTA Level 6) in Shipping and Logistics Management (ODSLM)

Aims of the Programme

The aim of the programme is to produce graduate with competence to work in ports and supply chain networking, broad competency-based knowledge to work in multiplex logistical environments.

Purpose of Qualification

This qualification is intended for people who will be undertaking shipping and logistics activities most of which are non-routine.

Module Arrangement

Semester 1

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLT 06101	Principles of Logistics and Supply Chain	Core	2	1	2	1	9
2.	SLT 06102	Managing Resources in Shipping Enterprises	Core	2	1	2	1	9
3.	SLT 06103	Transport and Logistics Operations	Core	2	1	2	1	9
4.	SLT 06104	Principles of Warehouse and Inventory	Core	2	1	2	1	9
5.	SLT 06105	Maritime Safety and Security	Core	4	0	1	1	9
6.	SLT 06106	Passenger Transport Operations	Core	2	0	1	1	6
7.	SLT 06107	Basics of Quantitative Techniques	Fundamental	2	1	2	1	9

Subtotal	**16**	**5**	**12**	**7**	**60**
Total hrs per week	**40**				

Semester 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLT 06208	Marine Insurance and Salvage	Fundamental	4	1	2	1	12
2.	SLT 06209	The Economics of Maritime Operations	Fundamental	2	0	2	0	6
3.	SLT 06210	Principles of Entrepreneurship	Fundamental	2	1	2	1	9
4.	SLT 06211	International Maritime Transport Systems	Core	2	0	2	0	6
5.	SLT 06212	Shipping Law	Core	4	1	2	1	12
6.	SLT 06213	Project	Core	0	0	10	0	15
Subtotal				**14**	**3**	**20**	**3**	**60**
Total hrs per week				**40**				

4.2.3 Ordinary Diploma (NTA Level 6) in Naval Architecture and Offshore Engineering (ODNAOE)

Aims of the Programme

This programme aims to provide the students with advanced concepts and skills of naval architecture and offshore engineering, advanced knowledge of shipyard , ships building, ship's systems, offshore structures constructions and their operations and workshop practice.

Purpose of Qualification

This qualification is intended for a person who will be undertaking naval architecture tasks at no-routine level in shipyard or offshore engineering industry.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAT 06101	Laws of thermodynamic and fluid machinery	Core	4	1	0	1	9
2.	NAT 06102	Research Methods	Fundamental	4	1	0	1	9

		and Statistics						
3.	MET 06101	Engineering Mechanics	Core	4	1	0	1	9
4.	MET 06103	Technical Drawing	Core	4	0	4	0	12
5.	MET 06104	Welding and Fabrication	Core	4	0	4	0	12
6.	MET 06105	Electro-technology	Core	4	0	1	1	9
Subtotal				**24**	**3**	**9**	**4**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAT 06203	Material and Machining processes	Core	2	1		1	6
2.	NAT 06204	Offshore Structures	Core	2	1		1	6
3.	NAT 06205	Oceanography	Core	2	1		1	6
4.	TST 06201	Blue Economy Operation	Fundamental	2	1		1	6
5.	MET 06209	Naval Architecture and Ship Construction	Core	2	1	2	1	9
6.	MET 06210	Instrumentation and Control of ship Systems	Core	2	1		1	6
7.	MET 06215	Differentiation and Integration	Fundamental	2	1		1	6
8.	NAT 06206	Project	Core			10		15
Subtotal				**14**	**7**	**12**	**7**	**60**
Total hrs per Week				**40**				

4.2.4 Ordinary Diploma (NTA Level 6) in Procurement, Logistics and Supply Chain Management (ODPLSM)

Aims of the Programme

The aim of the programme is to produce graduate with advanced concepts and knowledge in Procurement logistics and supply management in order to handle processes in procurement, deliveries warehousing, mitigations of business

enterprises, intermodal transport networking, and port and supply chain environments.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in purchase, logistics and Supply Chain management in a broad range of work activities most of which are non-routine

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TST 06102	Supply Chain risks Management	Core	4	1	1	2	12
2.	PST 06101	Procurement Structures and Design	Core	4	1	1	2	12
3.	SLT 06107	Quantitative Techniques	Fundamental	4			2	9
4.	PST 06102	Warehousing Operations Management	Core	4	0	1	1	9
5.	PST 06103	Project	Core	0	0	6	0	9
6.	PST 06104	Materials Management	Core	4		1	1	9
Subtotal				**20**	**2**	**10**	**8**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PST 06205	International Freight Transport Management	Core	4	2	1	3	15
2.	PST 06206	E- procurement Management	Core	4	2	2		12
3.	PST 06207	Principles of Marketing	fundamental	4		2		9
4.	SLT 06209	The Economics of Maritime	fundamental	4		2		9

		Operations						
5.	TST 06205	Supply Chain Integration and Performance Management	Core	4	2	2	2	15
Subtotal				**20**	**6**	**9**	**5**	**60**
Total hrs per week				**40**				

4.2.5 Ordinary Diploma (NTA Level 6) in Transport and Supply Chain Management (ODTSM)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in procurement logistics and supply management in order to handle processes in transport, logistics, warehousing, and mitigations of business enterprises, fleet management, port and intermodal transport networking.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in transport, logistics and Supply Chain management in a broad range of work activities most of which are non-routine

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TST 06101	International Transport Systems	Core	2	1	2	1	9
2.	TST 06102	Supply Chain risks Management	Core	2	1	2	1	9
3.	SLT 06104	Principles of Warehousing and Inventory	Fundamental	4	1	2	1	12
4.	TST 06103	Fundamentals of Business Law	Fundamental	1	1	1	1	6
5.	SLT 06107	Basics of Quantitative Techniques	Fundamental	2	2	4	2	15
6.	TST 06104	Project	Core	2	1	2	1	9
Subtotal				**13**	**7**	**13**	**7**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TST 06201	Blue Economy Operations	Core	4	1	2	1	12
2.	TST 06202	Fundamentals of Intermodal Transport	Core	2	1	2	1	6
3.	TST 06203	Transport and Social Dynamics	Core	2	2	4	2	15
4.	TST 06204	Safety and Security in Transport Systems	Core	2	2	4	2	15
5.	TST 06205	Supply Chain Integration and Performance Management	Core	2	1	2	1	12
Subtotal				**12**	**7**	**14**	**7**	**60**
Total hrs per week				**40**				

4.2.6 Ordinary Diploma (NTA Level 6) in Oil and Gas Engineering (ODOGE)

Aims of the Programme
This programme aims to Provide the student with understanding, advanced skills and knowledge of oil and gas exploration, petroleum production system and ashore and offshore petroleum structures installation and their operations.

Purpose of Qualification
The qualification is intended for a person who will have ability to: supervise collection of data; participate in exploration and production drilling, generate production graphs and analysing production trends utilizing computer applications, participate in incident reviews and job safety analyses, help to coordinate spill reporting and remediation, carries out routine maintenance and testing activities, complete fault-finding and repair of mechanical systems and equipment, modifies, repairs or replaces systems and equipment Installs new systems and equipment as required, participates in Risks Assessments, interprets technical drawings and updates with any changes following the installation of new systems and equipment

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	OGT06101	Basics of Oil and Gas Fields Development	Core	2	0	2	2	9
2.	OGT06102	Fundamentals of Programming in FOTRAN 77	Core	4	0	4	2	15
3.	OGT06103	Geophysical Exploration technology	Core	2	2	2	2	12
4.	OGT06104	Fundamentals of Oil and Gas Drilling Engineering	Core	2	0	2	2	9
5.	OGT06105	Research Methodology	Fundamental	4	1	0	1	9
6.	OGT06106	Business Statistics	Fundamental	2	1	0	1	6
Subtotal				**16**	**4**	**10**	**10**	**60**
Total Hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				
				L	T	P	AS	Credits
1.	OGT06207	Oil and Gas Laws and Regulations	Core	2	2	0	2	9
2.	OGT06208	Fundamentals of Reservoir	Core	2	0	2	0	6
3.	OGT06209	Fundamentals of Oil and Gas Production	Core	2	0	2	2	9
4.	OGT06210	Fundamentals of Oil and Gas Economics	Core	2	2	2	2	9
5.	OGT06211	Basics of Quantitative Techniques	Fundamental	2	0	0	0	6
6.	OGT06212	Instrumentation and Control	Core	2	0	2	0	6
7.	OGT06213	Industrial Training	Core	0	0	10	0	15
Subtotal				**12**	**4**	**18**	**6**	**60**
Total Hrs per week				**40**				

4.2.7 Ordinary Diploma (NTA Level 6) in Mechanical and Marine Engineering (ODMME)

Aims of the Programme

The aim of the programme is to provide the student with concepts and principles of mechanical and marine engineering, understanding, skills and underpinning knowledge of ships, their construction and their operation; and ability to use computers in engineering work.

Purpose of Qualification

This qualification is intended for a person who will be mechanical and marine technician in a ship and production industries with duties of handling, operation, watch keeping, maintenance and repair of machineries in a ship and production industries

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				
				L	T	P	AS	Credit
1.	MMT06101	Engineering Mechanics	Core	2	1	0	1	6
2.	MMT06102	Fundamentals of Thermodynamics	Core	2	1	0	1	6
3.	MMT06103	Technical Drawing	Core	2	1	0	1	6
4.	MMT06104	Welding and Fabrication	Core	2	0	2	0	6
5.	MMT06105	Electro-technology	Core	2	0	1	1	6
6.	MMT06106	Diesel Engine, Steam and Gas Turbines	Core	2	0	1	1	6
7.	MMT06107	Marine Auxiliary Machinery	Core	2	0	1	1	6
8.	MMT06108	Basic Machine Elements Designs	Core	2	0	2	0	6
9.	MMT06109	Basic of Materials Strength	Core	2	1	0	1	6
10.	MMT06110	Maritime Law	Fundamental	2	0	0	0	3
11.	MMT06111	Project Management	Fundamental	2	0	0	0	3
Subtotal				**22**	**4**	**7**	**7**	**60**
Total Hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				
				L	T	P	AS	Credit
1.	MMT06212	Basics of Calculus	Fundamental	2	0	0	0	3
2.	MMT06213	Fundamentals of Marine Electronics	Core	2	0	0	0	3
3.	MMT06214	Fundamentals, Control and automation	Core	2	0	0	0	3
4.	MMT06215	Maintenance of Auxiliary Machinery	Core	2	0	2	0	6
5.	MMT06215	Marine Engineering Watchkeeping	Core	2	0	1	1	6
6.	MMT06217	Basics of Fluid Mechanics	Core	2	0	0	0	3
7.	MMT06218	Mechanical Manufacturing Process	Core	4	1	0	1	9
8.	MMT06219	Ship Stability and Design	Core	4	1	0	1	9
9.	MMT06220	Design Project	Core	0	0	6	0	9
10.	MMT06221	Industrial Practical Training	Core	0	0	6	0	9
Subtotal				**20**	**2**	**15**	**3**	**60**
Total Hrs/per week				**40**				

4.2.8 Ordinary Diploma (NTA Level 6) in Marine Welding and Fabrication (ODMWF)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in welding and fabrication in order to, provide the student with understanding, skills and knowledge of Welding and Fabrication and develop skills of Welding and Fabrication through workshop practices.

Purpose of Qualification

This qualification is intended to produce a qualified skilled welder at ordinary diploma level who will have broader knowledge and skill in welding and fabrication engineering tasks.

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	WFT 06101	Welding Machinery Maintenance	Core	2		4		9
2.	WFT 06102	Welding and Fabrication Design	Core	4		3	1	12

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
3.	WFT 06103	Plasma and Powder Welding Technology	Core	2	1	4	1	12
4.	WFT 06104	Plastic Welding Technology	Core	2		3	1	9
5.	WFT 06105	Diving Practice	Core	2	1	2	1	9
6.	WFT 06106	Testing and Quality Control of Welds	Core	2	1	2	1	9
Subtotal				**14**	**3**	**18**	**5**	**60**
Total hrs. per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	WFT 06207	Foundry Technology and Practice	Core	2	0	4	0	9
2.	WFT 06208	Underwater Welding Practice	Core	2	0	4	0	9
3.	WFT 06209	Specialized Workshop Practice	Core	2	0	4	0	9
4.	WFT 06210	Principles of Warehousing and Inventory	Fundamental	2	1	0	1	6
5.	WFT 06211	Basics of Business Economics	Fundamental	2	1	0	1	6
6.	WFT 06212	Basics of Business Law	Fundamental	2	1	0	1	6
7.	WFT 06213	Design Project	Core	0	0	10	0	15
Subtotal				**12**	**3**	**12**	**3**	**60**
Total hrs. per Week				**40**				

4.3 Bachelor Degree (NTA Level 7/8) in Maritime Transport and Nautical Science (BMTNS)

(a) Higher Diploma (NTA Level 7) in Maritime Transport and Nautical Science– (HMTNS)

Aim of the programme

This programme aims to provide the student with concepts, principles of maritime transport, ships' knowledge, ports, regulations, research and consultancy and ability to apply IT in maritime transport tasks.

Purpose of Qualification

This qualification is intended for a person who will work ashore and at sea as Officer In-charge of a Navigational. The officer will carry out navigation, cargo handling and stowage, controlling the operation of the ship, care for persons on board, Radio Communications and Shore based Maritime enterprise.

Exit Point

An exit point at the end of the sixth semester is provided to the candidate who may not wish to proceed to Bachelor Degree in Maritime Transport and Nautical Science

(BMTNS). On successful completion of required sea service, the candidate may apply to TASAC for examination for Certificate of Competency as an Officer in charge of a Navigational Watch.

Module Arrangement

Semester 1
Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MNU 07101	Basic Maritime Safety and Security	Fundamental	4		4		9
2.	SMU 07102	Ethics and professional skills	Fundamental	2		2		6
3.	MNU 07102	Simulator Practices	Fundamental	3		4		12
4.	MNU 07103	Visual, Radio and Global Maritime Distress and Safety System Communication	Core	3		2	2	9
5.	MNU 07104	Principles of Navigation	Core	2		2	2	9
6.	SLU 07105	Communication Skills	Fundamental	2	2			6
7.	SMU 07102	Principles of Calculus	Fundamental	2	2			9
Subtotal				**18**	**5**	**14**	**4**	**60**
Total Hrs/per week				**8. 40**				**9.**

Semester 2
Year 1

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SMU 07203	Maritime English	Fundamental	3	2		2	9
2.	SLU 07104	Computer System Applications	Fundamental	2	2	2	2	9
3.	SMU 07205	Elementary Applied Science	Fundamental	3	2	2		9

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
4.	MNU 07205	Rating forming Part of Navigational Watch	Core	4	2	4	2	15
5.	SLU 07211	Development Studies I	Fundamental	2	2	2	0	9
6.	MNU 07207	Industrial Training I	Core	0	0	0	8	9
Subtotal			**14**		**10**	**10**	**6**	**60**
Total hrs per week			**40**					

Semester 3
Year 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNU 07306	Elementary Meteorology	Core	2	2	4	2	9
2.	MNU 07308	Applied Science	Fundamental	2	2	2		9
3.	MNU 07309	Trigonometry and Spherical Triangles	Core	2	2	2		9
4.	MNU 07307	Coastal Navigation	Core	2	2	2	2	12
5.	MNU 07308	Maritime Safety and Security	Core	4			2	9
6.	SLU 07211	Development Studies II	Fundamental	2			2	6
Subtotal				**14**	**8**	**10**	**8**	**60**
Total hrs per week			**40**					

Semester 4
Year 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNU 07409	Metrology	Core	2		2	2	9
2.	MNU 07410	Ship Construction and Stresses	Core	2		2	2	9
3.	MNU 07411	Navigation Systems	Core	4	1	2	1	12

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
4.	MNU07412	Ship Stability	Core	4		2	2	12
5.	MNU 07413	Watch keeping	Core	3	2	2	-	9
6.	MNU 07414	Industrial Training I	Core	0	0	0	6	9
Subtotal				**15**	**3**	**10**	**12**	**60**
Total hrs per week			**40**					

Semester 5
Year 3

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNU 07515	Cargo Operation	Core	3	3	2	2	15
2.	MNU 07516	Ocean and Offshore Navigation	Core	3	-	1	2	9
3.	MNU 07517	Engineering and Control Systems	Core	2	2	2	4	15
4.	SLU 07426	Research Methodology	Core	2	1	2	3	12
5.	SMU07513	Principles of Management	Fundamental	2	2	2		9
Subtotal				**12**	**8**	**9**	**11**	**60**
Total hrs per week				**40**				

Semester 6
Year 3

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07212	Maritime Entrepreneurship	Core	4	2	2	2	15
2.	SLU 07423	Shipping Economics and International Trade	Core	2	2	2		9
3.	SMU 07616	Human Resources Management	Core	4	2		2	12
4.	MNU 07618	Maritime Law	Core	4	4		2	15
5.	MNU 07619	Industrial Training II	Fundamental	0	0	0	6	9

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
Subtotal				**14**	**10**	**4**	**12**	**60**
Total hrs per week			**40**					

Note: Industrial Training will be carried on during vacation

(b) Bachelor Degree (NTA Level 8) in Maritime Transport and Nautical Science (BMTNS)

Aims of the programme

This programme aims to provide the student with concepts, principles of maritime transport, ships' knowledge, ports, regulations, research and consultancy and ability to apply IT in maritime transport tasks.

Purpose of Qualification

This qualification is intended for a person who will be in-charge of a Navigational watch on-board ship and provide a smooth progression to navigational Officer at management level. The qualification is also intended for person who will manage and supervise ashore enterprises.

Exit Point

An exit point for this programme will be at the end of the second semester.

Module Arrangement

Semester 1
Year 4

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	BLU 08208	Port and Terminal Operations	Core	2	2	2	2	12
2.	BLU 08105	Statistics and Probability	Core	2	2	2	2	12
3.	BLU 07107	Logistics and Multimodal Transport	Fundamental	2	2	2	2	12
4.	MEU 08104	General Survey	Core	2	2	2	2	12
5.	MNU 08101	Research Project	Core	0	0	0	0	12
Subtotal				**8**	**8**	**8**	**8**	**60**
Total Hrs/per week				**32**				

Semesters 2
Year 4

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 08209	Shipping Business Management	Fundamental	2	2	1	1	9
2.	SLU 08210	Shipping Finance and Accounts	Fundamental	2	2	1	1	9
3.	SLU 07319	Environmental Science	Fundamental	2	2	1	1	9
4.	MNU 08202	Simulation of Maritime Processes	Core	2	2	2	2	12
5.	SLU 08212	Shipping Agency	Fundamental	2	2	1	1	9
6.	Elective			2	2	2	2	12
Subtotal				**12**	**12**	**8**	**8**	**60**
Total hrs per week			**40**					

ELECTIVES (Select one module)

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SLU 08212	Freight and Forwarding Practice	Fundamental	2	2	2	2	12
2.	MNU 08203	Flag and Port State Control	Fundamental	2	2	2	2	12
3.	SLU 07210	Inventory and Warehouse Management	Fundamental	2	2	2	2	12

NB: 12 credits will be taken from any elective module to acquire the minimum 60 Credit

4.3.1 Bachelor Degree (NTA Level 7/8) in Marine Engineering Technology (BMET)

(a) Higher Diploma (NTA Level 7) in Marine Engineering Technology (HDMET)

Aim of the Programme

This programme aims to provide the student with concepts, principles of marine engineering, ships' knowledge, construction, operation and management and ability to use computers in engineering design work.

Purpose of Qualification

This qualification is intended for person who will be an Officer in Charge of a Marine Engineering Watch operating and monitoring machineries on board a ship in a manned engine room or as designated duty engineer in a periodically unmanned engine room. The qualification is also intended for persons who will manage a maritime and or engineering related enterprise.

Exit Point

The Higher Diploma in Marine Engineering Technology is an exit from a four years bachelor programme. The candidate who exits the programme at the end of year 3 having successfully attained a minimum of 360 credits will be eligible for award of Higher Diploma in Marine Engineering Technology (HDMET). However, on successful completion of required sea service, the candidate may apply to Maritime Authority for examination for Certificate of Competency as an Officer in Charge of an Engineering Watch.

Module Arrangement

Semester 1
Year 1

S/N	Code	Module Title		Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MNU 07101	Basic Maritime Safety and Security	Core	2	0	2	0	6
2.	MEU 07101	Bench Work and Machinery Practice	Core	2	0	8	0	15
3.	MEU 07102	Basics of Engineering Drawing	Core	2	1	2	1	9
4.	MEU 07103	Engineering Mechanics	Core	2	2	1	1	9
5.	SLU 07105	Communication Skills	Fundamental	2	1	2	1	9
6.	MEU 07106	Principles of Calculus	Fundamental	2	1	0	1	6

7.	MEU 07107	Material Technology	Core	2	0	2	0	6
Subtotal				**14**	**5**	**17**	**4**	**60**
Total Hrs/per week				**40**				

Semester 2
Year 1

S/N	**Code**	**Module Title**	**Class**	**Scheme of Study Hrs/Week**				**Credits**
				L	**T**	**P**	**AS**	
1.	SLU 07212	Entrepreneurship	Fundamental	2	1	2	1	9
2.	MEU 07208	Engineering Drawing	Core	2	1	2	1	9
3.	MEU 07209	Marine Engineering Watchkeeping	Core	2	1	2	1	9
4.	SLU 07211	Basics of Development Studies	Fundamental	2	0	0	2	6
5.	MEU 07210	Maritime English	Fundamental	2	1	0	1	6
6.	MEU 07211	Computer Systems and Applications		2	0	2	0	6
7.	MEU 07212	Matrix Algebra and Vector Analysis	Fundamental	2	1	0	1	6
8.	MEU 07213	Industrial Training I		0	0	6	0	9
Subtotal				**14**	**5**	**14**	**7**	**60**
Total Hrs/per week				**40**				

Note: Industrial Training will be carried on during vacation

Semester 3 Year 2

S/N	**Code**	**Module Title**	**Class**	**Scheme of Study Hrs/Week**				**Credits**
				L	**T**	**P**	**AS**	
1.	MTU 07308	Maritime Safety and Security	Core	2	0	2	0	6
2.	MEU 07314	Welding and Fabrication Practice	Core	2	0	4	0	9
3.	MEU 07315	Thermodynamics and Heat Transfer	Core	4	0	2	0	9
4.	SLU 07322	Development Studies	Fundamental	2	1	0	1	6

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
5.	SLU 07317	Principles of Management and Leadership	Fundamental	2	0	1	1	6
6.	MEU 07316	Electrical Circuits	Core	2	0	4	2	12
7.	MEU 07317	Marine Diesel Engines and Turbines	Core	2	2	4	0	12
Subtotal				**16**	**3**	**17**	**4**	**60**
Total Hrs/per week				**40**				

Semester 4 Year 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07418	Materials Testing and Treatment	Core	2	0	2	0	6
2.	SLU 07426	Research Methodology	Fundamental	2	1	2	1	9
3.	MEU 07419	Marine Auxiliary Machinery	Core	2	2	4	0	12
4.	SLU 07423	Shipping Economics and International Trade	Fundamental	2	1	2	1	9
5.	MEU 07420	Computer Programming with C++ for Marine Engineers	Core	2	1	0	1	6
6.	MEU 07421	Principles of Electrical Engineering	Core	2	0	4	0	9
7.	MEU 07422	Industrial Training II	Core	0	0	6	0	9
Subtotal				**12**	**5**	**20**	**3**	**60**
Total Hrs/per week				**40**				

Note: Industrial Training will be carried on during vacation

Semester 5 Year 3

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07523	Fluid Mechanics	Core	4	1	2	1	12
2.	MEU 07524	Marine Electronics	Core	4	1	2	1	12
3.	MEU 07525	Ship Construction	Core	4	1	2	1	12
4.	MEU 07526	Maintenance of Marine Machinery	Core	2	0	4	0	9
5.	MEU 07527	Calculus	Fundamental	2	1	0	1	6
6.	MEU 07528	Marine Surveying	Core	4	1	0	1	9
Subtotal				**20**	**5**	**10**	**5**	**60**
Total Hrs/per week				**40**				

Semester 6 Year 3

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07629	Instrumentation, Control and Automation	Core	2	2	2	0	9
2.	MNU 07618	Maritime Law	Core	2	2	0	2	9
3.	MEU 07630	Naval Architecture	Core	4	1	0	1	9
4.	MEU 07631	MATLAB for Marine Engineers	Core	2	1	2	1	9
5.	MEU 07632	Numerical Methods	Fundamental	2	1	0	1	6
6.	MEU 07633	Design of Machine Elements	Core	4	1	0	1	9
7.	MEU 07634	Industrial Training III	Core	0	0	6	0	9
Subtotal				**16**	**8**	**10**	**6**	**60**
Total Hrs/per week				**40**				

(b) Bachelor Degree (NTA Level 8) in Marine Engineering Technology (BMET)

Aim of the Programme

This programme aims to provide the student with concepts, principles of marine engineering, ships' knowledge, construction, operation and management and ability to use computers in engineering design work.

Purpose of Qualification

This qualification is intended for a person who will be in-charge of a Marine Engineering watch operating and monitoring machineries on board a ship in a manned engine room or as designated duty engineer in a periodically unmanned engine room and provides smooth progression to ship's engineer officer at management level. The qualification is also intended for a person who will manage and supervise a maritime and or engineering related enterprise.

Exit Point

An exit point for this programme will be at the end of the second semester

Module Arrangement

Semester 1

Year 4

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SLU 07107	Logistics and Multimodal Transport	Fundamental	2	1	2	1	9
2.	SLU 08105	Statistics and Probability	Fundamental	2	1	2	1	9
3.	MEU 08101	Thermo-refrigeration and Air Conditioning	Core	2	0	2	0	6
4.	MEU 08102	Fluid Machines	Core	4	0	2	0	9
5.	MEU 08103	Stress Analysis	Core	4	1	0	1	9
6.	MEU 08104	General Marine Surveying	Core	2	1	0	1	6
7.	MEU 08105	Computer Aided Design	Core	4	0	4	0	12
Subtotal				**20**	**4**	**12**	**4**	**60**
Total Hrs/per week				**40**				

Semester 2
Year 4

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 08207	Engine Room Simulation	Core	2	1	6	1	15
2.	MEU 08208	Environmental Management	Fundamental	4	1	0	1	9
3.	MEU 08209	Marine Electrical Propulsion and High Voltage	Core	4	1	2	1	12
4.	MEU 08210	Research Project	Core	0	0	8	0	12
5.	SLU 08210	Marine Professional Ethics	Fundamental	2	1	0	1	6
6.	ELECTIVE			2	1	0	1	6
Subtotal				**14**	**5**	**16**	**5**	**60**
Total Hrs/per week				**40**				

NB:
In semester two, 6 credits will be obtained from the one selected elective module in order to attain the minimum total of 60 credits.

ELECTIVES (One)

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SLU 08207	Freight and Forwarding Practices	Fundamental	2	1	0	1	6
2.	SLU 08209	Shipping Finance and Accounting	Fundamental	2	1	0	1	6
3.	SLU 08212	Shipping Agency	Fundamental	2	1	0	1	6
4.	MNU 08203	Flag and Port State Control	Fundamental	2	1	0	1	6

4.3.2 Bachelor Degree (NTA Level 7/8) in Shipping and Logistics

Management (BSLM)

(a) Higher Diploma (NTA Level 7) in Shipping and Logistics Management (HDSLM)

Aim of the programme

The aim of the programme is to produce graduate with competence to work in ports and supply chain networking, broad competency-based knowledge to work in multiplex logistical environments.

Purpose of Qualification

This qualification is intended for a person who will be responsible in Port, Logistics and Supply Chain Management careers. The graduate will have acquired knowledge and skills to undertake responsibilities in port operations and investment, fleet management, intermodal transport designing and simulation in logistics and supply chain models including networking and warehousing.

Exit Point

An exit point at the end of the sixth semester is provided to the candidate who may not wish to proceed to Bachelor Degree in Shipping and Logistics Management (BSLM).

Module Arrangement

Semester 1

Year 1

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07101	Principles of Quality Management	Core	2	1	2	1	9
2.	SLU 07102	Engineering Knowledge for ships	Core	2	1	2	1	9
3.	SLU 07103	Maritime Safety and Security	Core	2	1	2	1	9
4.	SLU 07104	Computer Applications	Fundamental	2	1	2	1	9
5.	SLU 07105	Communication Skills	Fundamental	2	1	2	1	9
6.	SLU 07106	Logistics and Supply Chain Management	Core	2	1	2	1	9
7.	SLU 07107	Logistics and Multimodal Transport	Core	2	0	1	1	6
Subtotal				**14**	**6**	**13**	**7**	**60**
Total hrs per week				**40**				

Semester 2
Year 1

No.	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07208	Fundamentals of Annuities	Fundamental	2	1	2	1	9
2.	SLU 07209	Strategic Organization and Planning in Supply Chain System	Core	4	1	2	1	12
3.	SLU 07210	Inventory and Warehouse Management	Fundamental	2	1	2	1	9
4.	SLU 07211	Basics of Development Studies	Fundamental	2		2		6
5.	SLU 07212	Entrepreneurship	Fundamental	2	1	2	1	9
6.	SLU 07213	Logistics Operations and Costing	Core	2		1	1	6
7.	SLU 07214	Industrial Training I	Core	0	0	6	0	9
Subtotal				**14**	**4**	**17**	**5**	**60**
Total hrs per week				**40**				

Semester 3
Year 2

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07315	Dangerous and hazardous Goods	Core	2		1	1	6
2.	SLU 07316	Shipping Insurance and Salvage	Core	2	1	2	1	9
3.	SLU 07317	Principles of Management and Leadership	Core	2		1	1	6
4.	SLU 07318	Transport and Logistics Environment	Core	2	1	2	1	9

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
5.	SLU 07319	Environmental Science	Fundamental	2		1	1	6
6.	SLU 07320	E-commerce	Fundamental	2	1	2	1	9
7.	SLU 07321	Customs Procedures and Regulations	Core	2	1	2	1	9
8.	SLU 07322	Development Studies	Fundamental	2		2		6
Subtotal				**16**	**4**	**13**	**7**	**60**
Total hrs per week				**40**				

Semester 4
Year 2

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNU 07618	Maritime Law	Fundamental	2	1	2	1	9
2.	SLU 07423	Shipping Economics and International Trade	Fundamental	2	1	2	1	9
	SLU 07424	Shipping Finance	Core	2	0	1	1	6
3.	SLU 07425	Quantitative Approaches to Decisions Making	Fundamental	2	1	2	1	9
4.	SLU 07426	Research Methodology	Fundamental	2	1	2	1	9
5.	SLU 07427	Oil, Gas and Chemical Operations	Core	2	1	2	1	9
6.	SLU 07428	Industrial Training II	Core	0	0	6	0	9
Subtotal				**12**	**5**	**17**	**6**	**60**
Total hrs per week				**40**				

(b) Bachelor Degree (NTA Level 8) in Shipping and Logistics Management (BDSLM)

Aim of the programme

The aim of the programme is to produce graduate with competence to work in ports and supply chain networking, broad competency-based knowledge to work in multiplex logistical environments.

Purpose of Qualification

This qualification is intended for a person who will be responsible in Port, Logistics and Supply Chain Management careers. The graduate will have acquired knowledge and skills to undertake responsibilities in port operations and investment, fleet management, intermodal transport designing and simulation in logistics and supply chain models including networking and warehousing.

Exit Point

An exit point for this programme will be at the end of the second semester.

Module Arrangement
Semester 1
Year 3

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 08101	Charter Party and Bill of lading	Core	3	1	1	1	9
2.	SLU 08102	Supply Chain Design	Core	2	1	2	1	9
3.	SLU 08103	Logistics System Simulation	Core	2	2	3	1	12
4.	SLU 08104	Shipping Investment Appraisals	Core	2	1	2	1	9
5.	SLU 08105	Statistics and Probability	Fundamental	4	2	1	1	12
6.	SLU 08106	Business Ethics and Corporate Governance	Fundamental	2	1	2	1	9
	Subtotal			**15**	**8**	**11**	**6**	**60**
	Total hrs per week			**40**				

Semester 2
Year 3

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 08207	Port Economics and Management	Core	4	1	2	1	12
2.	SLU 08208	Port and Terminal Logistics	Core	4	1	2	1	12
3.	SLU 08209	Business of Shipping	Core	4	1	2	1	12
4.	SLU 08210	Shipping Finance and Accounts	Core	2	1	2	1	9
5.	SLU 08211	Research Project	Core	0	0	6	0	9
6.	Elective		Fundamental	2		1	1	6
Subtotal				**18**	**5**	**11**	**6**	**60**
Total hrs per week				**40**				

Elective Modules (select one)

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 08212	Freight Clearing and Forwarding	Fundamental	2		1	1	6
2.	MNU 08203	Flag and Port State Control	Fundamental	2		1	1	6
3.	SLU 08213	Shipping Agency	Fundamental	2		1	1	6
4.	SLU 08214	General Survey	Fundamental	2		1	1	6

NB: *6 credits will be taken from any 1 elective module to acquire the minimum 60 Credits*

4.3.3 Bachelor Degree (NTA Level 7/8) in Naval Architecture and Offshore Engineering (BNAOE)

(a) Higher Diploma (NTA Level 7) in Naval Architecture and Offshore Engineering (HDNAOE)

Aim of the Programme

This programme aims to provide the students with concepts, principles and skills of naval architecture and offshore engineering, underpinning knowledge of ships and offshore structures' design, construction, operation and maintenance and ability to use computers in design engineering works.

Purpose of Qualification
This qualification is intended for a person who will be a naval architect and offshore engineer who will work at a shipyard, dockyard or a maritime enterprise.

Exit Point
The Higher Diploma in Naval Architecture and Offshore Engineering is an exit from a three years bachelor programme. The candidate who exits the programme at the end of year 3 having successfully attained a minimum of 360 credits will be eligible for award of Higher Diploma in Naval Architecture and Offshore Engineering (HDNAOE).

Module Arrangement
Semester1
Year 1:

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 07101	Maritime English and Communication Skills	Fundamental	4	1	0	1	9
2.	NAU 07102	Maritime Safety and Security Awareness	Core	2	0	4	0	9
3.	NAU 07103	Differentiation and Integration Techniques	Fundamental	4	1	0	1	9
4.	NAU 07104	Workshop Technology and Practices	Core	2	0	6	0	12
5.	NAU 07105	Engineering Mechanics	Core	4	1	0	1	9
6.	NAU 07106	Engineering Drawings for Naval Architect	Core	4	0	4	0	12
	Subtotal			**20**	**3**	**14**	**3**	**60**
	Total hrs per week			**40**				

Semester 2:
Year 1

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 07207	Computer Systems and Applications	Core	2	0	2	0	6
2.	NAU 07208	Hydrostatics and Ship Stability	Core	2	0	4	0	9
3.	NAU 07209	Oceanography	Core	4	0	2	0	9
4.	NAU 07210	Material Science	Core	2	0	2	0	6
5.	NAU 07211	Ship Technology and Hull Design	Core	4	0	2	0	9
6.	NAU 07212	Linear Algebra and Discrete Mathematics	Fundamental	2	1	0	1	6
7.	NAU 07213	Environment Science	Fundamental	2	1	0	1	6
8.	NAU 07214	Industrial Training I	Core	0	0	6	0	9
	Subtotal			**18**	**2**	**18**	**2**	**60**
	Total hrs per week			**40**				

Note: Industrial Training will be carried on during vacation

Semester 3:
Year 2

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 07315	Medical First Aid and Fire Fighting Systems	Core	2	0	2	0	6
2.	NAU 07316	Thermodynamics and Heat Transfer	Core	2	0	2	0	6
3.	NAU 07317	Ship Structures Design and Construction	Core	2	1	4	1	12
4.	NAU 07318	Strength of Materials and Structural Analysis	Core	4	0	2	0	9

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
5.	NAU 07319	Electrical and Electronics Engineering	Core	4	0	1	1	9
6.	NAU 07320	Matrices, Complex Numbers and Differential Equations	Fundamental	2	1	0	1	6
7.	NAU 07321	Ship Hydrodynamics	Core	2	1	4	1	12
	Subtotal			**18**	**3**	**15**	**4**	**60**
	Total hrs per week			**40**				

Semester 4:
Year 2

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 07422	Ship Design Skills and Marine Surveying	Core	4	0	4	0	12
2.	NAU 07423	Finite Element Method	Fundamental	2	1	4	1	12
3.	NAU 07424	Automation and Control	Core	4	1	0	1	9
4.	NAU 07425	Research Methods and Statistics Analysis	Core	2	0	2	0	6
5.	NAU 07426	Business Economics	Fundamental	2	0	2	0	6
6.	NAU 07427	Social Theories of Development	Fundamental	2	0	2	0	6
7.	NAU 07428	Industrial Training II	Core	0	0	6	0	9
	Subtotal			**16**	**2**	**20**	**2**	**60**
	Total hrs per week			**40**				

Note: Industrial Training will be carried on during vacation

Semester 5:
Year 3

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 07529	Shipyard Practices	Core	4	1	0	1	9
2.	NAU 07530	Fluid Mechanics and Computational Dynamics	Core	2	0	2	0	6
3.	NAU 07531	Design of Subsea Systems	Core	4	1	2	1	12
4.	NAU 07532	Computer Aided Design (CAD)	Core	4	0	4	0	12
5.	NAU 07533	Marine Technology and Welding	Core	2	0	6	0	12
6.	NAU 07534	Marine Materials and Corrosion	Core	4	1	0	1	9
	Subtotal			**20**	**3**	**14**	**3**	**60**
	Total hrs per week			**40**				

Semester 6:
Year 3

No	Module Code	Module Title		Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 07635	Numerical Method Techniques	Fundamental	4	1	2	1	12
2.	NAU 07636	MATLAB for Naval Architects and Offshore Engineers	Core	4	0	4	0	12
3.	NAU 07637	Ship and Offshore Production Technology	Core	4	0	4	0	12
4.	NAU 07638	Rural and Urban Development	Fundamental	2	1	2	1	9
5.	NAU 07639	Entrepreneurship Skills	Fundamental	2	0	2	0	6
6.	NAU 07640	Industrial Training III	Core	0	0	6	0	9
Subtotal				**16**	**2**	**20**	**2**	**60**
Total hrs per week				**40**				

Note: Industrial Training will be carried on during vacation

(b) Bachelor Degree (NTA Level 8) in Naval Architecture and Offshore Engineering (BNAOE)

Aim of the programme

This programme aims to provide the students with concepts, principles and skills of naval architecture and offshore engineering, underpinning knowledge of ships and offshore structures construction, operation and management and ability to use computers in naval architecture and offshore engineering design works.

Purpose of Qualification

This qualification is intended for a person who will be a Naval Architecture and Offshore Engineer in Marine Engineering. The qualification is also intended for persons who will manage and supervise construction of marine engineering structures and related enterprise.

Exit Point

An exit point for this programme will be at the end of the second semester

Module Arrangement

Semester 1:

Year 4

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 08101	Offshore Construction	Core	4	0	1	1	9
2.	NAU 08102	Dynamics of Offshore Structures	Core	4	0	1	1	9
3.	NAU 08103	Offshore Standards and Recommended Practices	Core	2	0	1	1	6
4.	NAU 08104	Project Management	Fundamental	4	1	0	1	9
5.	NAU 08105	Offshore Drilling and Production	Core	4	1	0	1	9
6.	NAU 08106	Risk Analysis and Safety Management	Fundamental	2	0	1	1	6
7.	NAU 08107	Design Project Phase – I	Core	0	0	8	0	12
	Subtotal			**20**	**2**	**12**	**6**	**60**
	Total hrs per week			**40**				

Semester 2:
Year 4

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 08208	Offshore Structure Design	Core	2	0	1	1	6
2.	NAU 08209	Seakeeping and Motions in Waves	Core	2	1	0	1	6
3.	NAU 08210	Marine and Offshore Machinery	Core	2	0	1	1	6
4.	NAU 08211	Machinery Maintenance and Strength Analysis	Core	2	0	1	1	6
5.	NAU 08212	Professional Ethical and Regulations	Fundamental	2	1	0	1	6
6.	NAU 08213	Design Project – Phase II	Core	0	0	4	0	6
7.	Elective I			4	1	1	2	12
8.	Elective II			4	1	1	2	12
	Subtotal			**18**	**4**	**9**	**9**	**60**
	Total hrs per week			**40**				

NB: In semester two, 24 credits will be obtained from the two selected elective modules in order to attain the minimum total of 60 credits.

ELECTIVE

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 08214	Calculus (Multiple Integral), Vector Analysis and Partial Differential Equations	Elective	4	1	1	2	12
2.	NAU 08215	C++ Programming Language	Elective	4	1	1	2	12
3.	NAU 08216	3D-CAD modelling and assembling	Elective	4	1	1	2	12
4.	NAU 08217	Offshore geotechnical engineering	Elective	4	1	1	2	12

4.3.4 Bachelor Degree (NTA Level 7/8) in Procurement, Logistics and Supply Chain Management (BPLSM)

(a) Higher Diploma (NTA Level 7) in Procurement, Logistics and Supply Chain Management (HDPLSM)

Aim of the Programme

The aim of the programme is to produce graduate with advanced concepts and knowledge in Procurement, logistics and supply management in order to handle processes in Procurement/purchasing, requisitions, deliveries warehousing, mitigations of business enterprises, fleet management and intermodal transport networking and forecast in multiplex logistical and supply chain environments, designing in logistics and supply chain models.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in Procurement, logistics and supply chain networks at managerial level

Exit Point

An exit point at the end of the fourth semester is provided to the candidate who may not wish to proceed to Bachelor Degree in Procurement, Logistics and Supply Chain Management.

Module Arrangement
Semester1 Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07106	Logistics and Supply Chain Systems Management	Core	4	1	2	1	12
2.	PSU 07101	Operations Research	Fundamental	4	2	1	1	12
3.	PSU 07102	Customer Relationship Management	Core	2	1	2	1	9
4.	SLU 07102	Engineering Knowledge for Ships	Fundamental	2	1	2	1	9
5.	SLU 07104	Computer Applications	Fundamental	2	1	2	1	9
6.	SLU 07105	Communication Skills	Fundamental	2	1	2	1	9
	Subtotal			**16**	**7**	**11**	**6**	**60**
	Total hrs per week			**40**				

Semester 2 Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PSU 07203	Procurement Negotiation Skills	Core	4	1	1	0	9
2.	PSU 07204	Materials Management	Core	4	1	2	1	12
3.	PSU 07205	Supply Chain Optimization and Logistics Costing	Core	2	2	2	2	12
4.	PSU 07206	Theories of Social Development	Fundamental	2	0	2	0	6
5.	PSU 07207	Production and Operations Management	Core	4	1	1	0	9
6.	PSU 07208	Industrial Training I	Core	0	0	8	0	12
	Subtotal			**16**	**5**	**16**	**3**	**60**
	Total hrs per week			**40**				

Semester 3 Year 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PSU 07309	Cargo and Goods in Transit Insurance	Core	4	2	2	2	15
2.	SLU 07317	Principles of Management and Leadership	Fundamental	2	0	1	1	6
3.	PSU 07310	Technology in Supply Chain Management	Core	2	1	2	1	9
4.	SLU 07321	Customs Procedures and Regulations	Core	2	1	2	1	9
5.	PSU 07311	Strategic Sourcing and Suppliers Management	Core	4	3	2	1	15
6.	PSU 07312	Rural and Urban Development	Core	2	0	2	0	6
Subtotal				**16**	**7**	**11**	**6**	**60**
Total hrs per week				**40**				

Semester 4 Year 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07423	Shipping Economics and International Trade	Core	2	1	2	1	9
2.	SLU 07425	Quantitative Approaches to Decision Making	Fundamental	2	1	2	1	9
3.	SLU 07427	Procurement of Oil, Gas and Chemical	Core	2	1	2	1	9
4.	PSU 07413	Research Methods	Fundamental	2	1	2	1	9
5.	PSU 07414	Sales and marketing Management	Core	4	1	2	1	12
6.	PSU 07415	Industrial Training II	Core	0	0	8	0	12
Subtotal				**12**	**5**	**18**	**5**	**60**
Total hrs per week				**40**				

(b) Bachelor Degree (NTA Level 8) in Procurement, Logistics and Supply Chain Management (BPLSM)

Aim of the programme

The aim of the programme is to produce graduate with advanced concepts and knowledge in Procurement logistics and supply management in order to handle processes in Procurement/procurement, requisitions, deliveries warehousing, mitigations of business enterprises, fleet management and intermodal transport networking and forecast in multiplex logistical and supply chain environments, designing and simulation in logistics and supply chain models.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in port operations, Procurement/Procurement, logistics, supply chain operations and designing of transport networks.

Exit Point

An exit point is provided at the end of the second semester and candidate may look for job or proceed to NTA level 9.

Module Arrangement
Semester 1 Year 3

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PSU 08101	Green and Sustainable Logistics and Supply Chain	Core	2	2	3	1	12
2.	PSU 08102	Global Sourcing and Supply chain Collaborations	Core	2	2	1	1	9
3.	SLU 08106	Business Ethics and Corporate Governance	Fundamental	2	1	2	1	9
4.	SLU 08103	Logistics System Simulation	Core	2	2	3	1	12
5.	PSU 08103	Financial Investment Analysis in Logistics.	Core	4	0	1	1	9
6.	PSU 08104	Procurement and Supplies Audit	Core	2	1	2	1	9
Subtotal				**14**	**8**	**12**	**6**	**60**
Total hrs per week				**40**				

Semester 2 Year 3

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PSU 08205	Procurement Contract Management	Core	4	0	3	1	12
2.	PSU 08206	Public Procurement	Core	2	2	3	1	12
3.	PSU 08207	Management of Accounting	Fundamental	2	0	3	1	9
4.	SLU 07212	Entrepreneurship	Fundamental	2	1	2	1	9
5.	PSU 08208	Research Project	Core	0	0	8	0	12
6.	**Elective**		Fundamental	2	0	1	1	6
Subtotal				**12**	**3**	**20**	**5**	**60**
Total hrs per week				**40**				

NB: In semester two, 6 credits will be obtained from one selected elective modules in order to attain the minimum total of 60 credits.

ELECTIVE MODULES

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SMU 08207	Freight Clearing and Forwarding	Fundamental	2	0	1	1	6
2.	MTU 08203	Flag and Port State Control	Fundamental	2	0	1	1	6
3.	MEU 08104	Marine General Survey	Fundamental	2	0	1	1	6

4.3.5 Bachelor Degree (NTA Level 7/8) in Transport and Supply Chain Management (BTSM)

(a) Higher Diploma (NTA Level 7) in Transport and Supply Chain Management (HTSM)

Aim of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in transport and supply management in order to handle processes in transport activities for all types of cargo, passengers and livestock in intermodal transport networking and forecast. Work in complex logistical and supply chain environments, designing in logistics and supply chain models.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in This qualification is intended for person who will be undertaking duties in transport activities, processes, configure business logistics and supply chain structures, transports' modelling, plan and executions to facilitate the flows of goods, information and related services.

Exit Point

An exit point at the end of the fourth semester is provided to the candidate who may not wish to proceed to Bachelor Degree in Transport and Supply Chain Management.

Module Arrangement
Semester 1:
Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 07101	Transport Economics	Core	4	1	2	1	12
2.	SLU 07104	Computer Applications	Fundamental	2	1	2	1	9
3.	SLU 07105	Communication Skills	Fundamental	2	1	2	1	9
4.	SLU 07106	Logistics and Supply Chain Systems Management	Core	4	1	2	1	12
5.	TSU 07102	Railway Transport Management	Core	4	1		1	9
6.	TSU 07103	Marketing of Transport Services	Core	4	1	0	1	9
Subtotal				**20**	**6**	**8**	**6**	**60**
Total hrs per week				**40**				

Semester 2 : Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 07204	Logistics and Intermodal Transport Management	Core	4	1	2	1	12
2.	PSU 07206	Theories of Social Development	Fundamental	2	0	2	0	6
3.	TSU 07205	Maritime Transport Management	Core	4	1	0	1	9
4.	TSU 07206	Road Transport Management	Core	4	1	0	1	9
5.	TSU 07207	Transport Safety and Security	Core	4	1	2	1	12
6.	TSU 07208	Industrial Training I	Core	0	0	8	0	12
Subtotal				**18**	**4**	**14**	**4**	**60**
Total hrs per week				**40**				

Semester 3:
Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 07309	Strategic Procurement Management	Core	4	1	4	1	15
2.	TSU 07310	Dangerous and Hazardous Goods Management	Core	4	1	2	1	12
3.	TSU 07311	Transportation and Warehousing Management	Core	4	1	2	1	12
4.	SLU 07317	Principles of Management and Leadership	Fundamental	2	0	1	1	6
5.	SLU 07321	Customs Procedures and Regulations	Fundamental	4	1	0	1	9
6.	PSU 07312	Rural and Urban Development	Fundamental	2	0	2	0	6
Subtotal				**20**	**4**	**11**	**5**	**60**
Total hrs per week				**40**				

Semester 4:
Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 07412	Air Transport Management	Core	4	1	0	1	9
2.	TSU 07413	Pipeline Transport Management	Core	4	1	0	1	9
3.	TSU 07414	Strategic Organisation and Planning in Logistics and Transport	Fundamental	2	1	0	1	6

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
4.	PSU 07426	Research Methods	Core	2	1	2	1	9
5.	TSU 07415	International Law of Carriage of Goods	Fundamental	2	1	0	1	6
6.	SLU 07425	Quantitative Approaches to Decision Making	Fundamental	2	1	2	1	9
7.	TSU 07415	Industrial Training II	Core	0	0	8	0	12
Subtotal				**16**	**6**	**12**	**6**	**60**
Total hrs per week				**40**				

(b) Bachelor Degree (NTA Level 8) in Transport and Supply Chain Management (BTSM)

Aim of the programme

The aim of the programme is to produce graduate with concepts and knowledge in transport and supply management in order to handle processes in transport activities for all types of cargo, passengers and livestock in intermodal transport networking. Should be capable in designing and simulating various multiplex transport, logistics and supply chain environments.

Purpose of Qualification

This qualification is intended for a person who will be undertaking duties in procurement processes, transport activities, processes, design; configure business logistics structures, transports' modelling, plan, policies formulation and executions to facilitate the flows of goods, information and related services.

Exit Point

An exit point is provided at the end of the second semester and candidate may look for job or proceed to NTA level 9.

Module Arrangement
Semester 1 Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 08101	Urban and Rural Transport Management and Operations	Core	2	1	2	1	9
2.	PSU 08102	Global Sourcing and Supply chain Collaborations	Core	2	2	1	1	9
3.	PSU 08101	Sustainable Logistics and Supply Chain	Core	4	2	1	1	12
4.	TSU 08102	Financial Management and Accounting	Fundamental	4	2	1	1	12
5.	SLU 08106	Business Ethics and Corporate Governance	Fundamental	3	1	1	1	9
6.	TSU 08103	Law of Contract and Agency	Core	4	0	1	1	9
Subtotal				**19**	**8**	**7**	**6**	**60**
Total hrs per week				**40**				

Semester 2 Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 08204	Supply Chain Design and Simulation	Core	2	1	2	3	12
2.	TSU 08205	Freight Transport Operations	Core	4	1	0	1	9
3.	TSU 08206	Freight and Passenger Insurance	Core	2	1	0	1	6
4.	TSU 08207	Transport Network and Design	Core	3	1	1	1	9
5.	SLU 07212	Entrepreneurship	Fundamental	2	1	2	1	9
6.	TSU 08208	Research Project	Core	0	0	6	0	9
7.	Elective		Fundamental	2	0	1	1	6
Subtotal				**15**	**5**	**12**	**8**	**60**

Total hrs per week	40

NB: In semester two, 6 credits will be obtained from one of the three elective modules in order to attain the minimum total of 60 credits.

ELECTIVE MODULES

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 08212	Freight Clearing and Forwarding	Fundamental	2		1	1	6
2.	MNU 08203	Flag and Port State Control	Fundamental	2		1	1	6
3.	MEU 08104	Marine General Surveying	Fundamental	2		1	1	6

4.3.6 Bachelor Degree in Oil and Gas Engineering NTA Level 7/8

(a) Higher Diploma in Oil and Gas Engineering

Aim of the programme

The aim of this programme is to enable graduates to integrate knowledge and skills in execution of oil and gas engineering projects

Purpose of Qualification

This qualification is intended for persons who will perform various tasks including field development, reservoir simulation, formation evaluation, oil and gas design, reservoir modelling, oil and natural gas production forecasting and implement various structures such as beam pumping unit, LNG processing plant and drilling system into oil and gas industry.

Exit Point

The Higher Diploma in Oil and Gas Engineering Technology is an exit from a four years bachelor degree programme. The candidates who will exits the programme at the end of year 3 having successfully attained a minimum of 360 credits will be eligible for joining NTA Level 8.

Semester 1 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	)GU 07101	Offshore Safety and Survival Techniques	Core	2	1		1	6

2.	)GU 07102	Petroleum Chemistry	Core	2	0	2	0	6
3.	)GU 07103	Engineering Workshop Management	Fundamental	2	0	4	0	9
4.	)GU 07104	Material Science for Petroleum Operations	Core	2	0	2	0	6
5.	)GU 07105	Principles of the Oil and Gas Engineering Operations	Core	2	0	2	0	6
6.	)GU 07106	Engineering Drawing Techniques	Core	2	0	4	0	9
7.	)GU 07107	Petroleum Machinery Welding and Fabrication	Fundamental	2	0	2	0	6
8.	)GU 07108	Differentiation and Integration	Fundamental	2	1		1	6
9.	)GU 07109	Geophysical Exploration Operations	Core	2	0	2	0	6
	Subtotal			**18**	**2**	**18**	**2**	**60**
	Total hrs per week			**40**				

Semester 2 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 07210	Safety, Health and Environment in the Petroleum Industry	Fundamental	2	0	2	0	6
2.	OGU 07211	Oil and Gas Regulatory Frameworks	Fundamental	2	0	2	0	6
3.	OGU 07212	Reservoir Evaluation and Recovery Analysis	Core	2	1	2	1	9
4.	OGU 07213	Petroleum Production Engineering	Core	2	0	2	0	6
5.	OGU 07214	Petroleum Geology Operations	Core	2	0	2	0	6
6.	OGU 07215	Computer Application for Oil and Gas Operations	Core	2	0	2	0	6
7.	OGU 07216	Economic Evaluation in Oil and Gas Operations	Fundamental	2	0	2	0	6
8.	OGU 07217	Petroleum Drilling Engineering	Core	2	0	2	0	6

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
9.	OGU 07218	Industrial Training I	Core			6		9
	Subtotal			**16**	**1**	**22**	**1**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

Semester 3 Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 07319	Communication Skills	Fundamental	2	1	0	1	6
2.	OGU 07320	Basic of Petroleum Engineering	Core	2	0	2	0	6
3.	OGU 07321	Petroleum Geology and Geophysical Exploration	Core	2	0	2	0	6
4.	OGU 07322	Engineering Drawing	Core	2	0	2	0	6
5.	OGU 07323	Reservoir Fluid Properties	Core	3	0	3	0	9
6.	OGU 07324	Thermodynamics and Heat Transfer	Core	2	0	2	0	6
7.	OGU 07325	Logistics and Supply Chain Systems Management	Fundamental	2	0	2	0	6
8.	OGU 07326	Well Logging and Formation Evaluation	Core	4	1	3	2	15
	Subtotal			**19**	**2**	**16**	**3**	**60**
	Total hrs per week			**40**				

Semester 4 Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 07427	Development Studies	Fundamental	2	1	0	1	6
2.	OGU 07428	Fundamentals of Drilling Engineering	Core	2	0	2	0	6
3.	OGU 07429	Fundamentals of Petroleum Production Engineering	Core	2	0	2	2	9
4.	OGU 07430	Gas Reservoir Engineering	Core	2	0	2	0	6
5.	OGU 07431	Oil and Gas Pipeline Technology	Core	2	0	2	0	6
6.	OGU 07432	Basics of Petroleum Reservoir Engineering	Core	2	0	2	2	9
7.	OGU 07433	Probability and Statistics	Fundamental	2	1	2	1	9
8.	OGU 07434	Industrial Training II	Core	0	0	6	0	9
	Subtotal			**14**	**2**	**18**	**6**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

Semester 5 Year 3

S/N	Module Code	Module Title		Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 07535	Electrical and Electronics Engineering	Core	2	0	2	0	6
2.	OGU 07536	Petroleum Reservoir Engineering	Fundamental	2	0	2	2	9
3.	OGU 07537	Petroleum Production Engineering	Core	2	0	2	2	9
4.	OGU 07538	Fluid Mechanics	Core	2	0	2	0	6

5.	OGU 07539	Research Methodology	Fundamental	2	0	1	1	6
6.	OGU 07540	Principles of Management and Leadership	Fundamental	4	0	1	1	9
7.	OGU 07541	Strength Materials	Core	2	0	2	0	6
8.	OGU 07542	Computer Programming and Software Applications	Core	2	0	4	0	9
	Subtotal			**18**	**0**	**16**	**6**	**60**
	Total hrs per week			**40**				

Semester 6 Year 3

	Module Code	**Module Title**	**Class**	**Scheme of Study Hrs/ Week**				**Credits**
				L	**T**	**P**	**AS**	
1.	OGU 07643	Business Economics	Fundamental	2	1	0	1	6
2.	OGU 07644	Engineering Mechanics	Core	4	1	0	1	9
3.	OGU 07645	Fundamental of Petroleum Engineering Design	Core	2	0	4	2	12
4.	OGU 07646	Natural Gas Engineering	Core	2	0	2	2	9
5.	OGU 07647	Numerical Methods	Fundamental	2	1	0	1	6
6.	OGU 07648	Liquefied Natural Gas (LNG) Technology	Core	2	0	2	2	9
7.	OGU 07649	Industrial Training III	Core	0	0	6	0	9
	Subtotal			**14**	**3**	**14**	**9**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

(b) Bachelor Degree (NTA Level 8) in Oil and Gas Engineering (BOGE)

Aim of the programme

This programme aims at producing graduate with concepts and principles of Oil and Gas Engineering Technology, understanding, skills and underpinning knowledge of oil and gas asset management; and with ability to use computers in oil and gas engineering design work.

Purpose of Qualification

The qualification is intended for a person who will have ability to: conduct research, design oil and gas projects, analyse the viability of oil and gas project, install, operate and maintain oil and gas field equipment, develop plans for drilling in oil and gas well, perform drill of oil and gas well, perform well testing, monitor the well's oil and gas production, analysing geological data, monitor and evaluate reservoir performance, prepare reports and maps, develop oilfield production programmes, liaise with and advising managerial and technical staff, plan and construct boreholes.

Exit Point

An exit point is provided at the end of the second semester.

Semester 1 Year 4

S/N	Module Code	Module Title		Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 8101	Underground Natural Gas Storage	Core	2	0	2	0	6
2.	OGU 8102	Reservoir Simulation and Performance Prediction	Core	4	1	2	1	12
3.	OGU 8103	Unconventional Reservoir	Core	2	1	0	1	6
4.	OGU 8104	Petroleum Refinery Technology	Core	2	0	0	0	6
5.	OGU 8105	Petroleum Economics	Core	2	1	2	1	6
6.	OGU 8106	Petrophysics of Reservoir Rocks	Core	2	0	0	2	6
7.	OGU 8107	Oil and Gas Field Development	Core	2	0	2	0	6
8.	OGU 8108	Entrepreneurship Practices	Fundamental	2	1	0	1	6
9.	OGU 8109	Project Phase I	Core	0	0	0	4	6
	Subtotal			**18**	**4**	**8**	**10**	**60**

	Total hrs per week	**40**

Semester 2 Year 4

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	**T**	**P**	**AS**	
1.	OGU 8210	Advanced Drilling Engineering	Core	2	2	2	2	12
2.	OGU 8211	Maintenance Management of Machinery	Core	2	1	2	1	9
3.	OGU 8212	Management of Oil and Gas Projects	Core	4	1	2	1	12
4.	OGU 8213	Ethical Conducts and Engineering Procedures	Fundamental	2	1	1	0	6
5.	OGU 8214	Project Phase II	Core	0	0	0	6	9
6.	Elective I			2	0	2	0	6
7.	Elective II			2	0	2	0	6
	Subtotal			**14**	**5**	**11**	**10**	**60**
	Total hrs per week			**40**				

NB: In semester two, 12 credits will be obtained from two selected elective modules in order to attain the minimum total of 60 credits.

ELECTIVE MODULES

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	**T**	**P**	**AS**	
1.	OGU 08215	C++ Programming for Engineers	Elective	2		2		6
2.	OGU 08216	Oil and Gas Well Simulation	Elective	2		2		6
3.	OGU 08217	Transport Processes in Petroleum Production		2		2		6
4.	OGU 08218	Geostatic	Elective	2		2		6
5.	OGU 08219	Oil and Gas Reservoir Modelling	Elective	2		2		6
6.	OGU 08220	Petroleum Property Evaluation	Elective	2		2		6

4.3.7 Bachelor Degree in Mechanical and Marine Engineering (NTA Level 7/8)

(a) *Higher Diploma (NTA Level 6) in Mechanical and Marine Engineering-(BMME)*

Aim of the Programme

This program aims to produce graduates who are not only skilled engineers but also innovative thinkers, ethical leaders, and lifelong learners, ready to make significant contributions to the mechanical and maritime industries.

Purpose of Qualification

This qualification is intended for a person who will perform technical tasks in operation, repair, maintenance, designing, building, manufacturing, testing and installation of machineries, machinery systems, mechanical plants, marine vessels and marine structures.

Exit Point

The Higher Diploma in Mechanical and Marine Engineering is an exit from a four years bachelor degree programme. The candidates who will exits the programme at the end of year 3 having successfully attained a minimum of 360 credits will be eligible for award of Higher Diploma in Mechanical and Marine Engineering (HDMME).

Semester 1 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07101	Maritime Safety and Security	Core	1	1	3	2	10
2.	MMU 07102	Calculus	Fundamental	1	1	0	2	6
3.	MMU 07103	Computer Application	Fundamental	1	0	2	1	6
4.	MMU 07104	Maritime Communication Skills	Fundamental	2	1	0	1	7
5.	MMU 07105	Workshop Practice	Core	2	0	3	1	9
6.	MMU 07106	Welding and Fabrication	Core	2	0	4	1	10
7.	MMU 07107	Engineering Drawings	Core	1	0	2	1	6

8.	MMU 07108	Materials Science	Core	2	1	0	1	6
	Subtotal			**12**	**4**	**14**	**10**	**60**
	Total hrs per week			**40**				

Semester 2 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07209	Marine Diesel Engine	Core	1	0	2	1	6
2.	MMU 07210	Marine Auxiliary Machinery and Systems	Core	2	1	3	2	12
3.	MMU 07211	Computer Aided Drafting	Core	1	0	2	1	6
4.	MMU 07212	Thermodynamics and Heat Transfer	Core	2	1	2	1	9
5.	MMU 07213	Electro-technology	Core	2	1	4	1	12
6.	MMU 07214	Heating, Ventilation and Air Conditioning	Core	2	0	1	1	6
7.	MMU 07215	Industrial Practical Training I	Core	0	0	5	1	9
	Subtotal			**10**	**3**	**19**	**8**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

Semester 3 Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07322	Communication Skills	Fundamental	2	1	0	1	6
2.	MMU 07323	Matrix Algebra and Vector Analysis	Fundamental	2	1	0	1	6
3.	MMU 07324	Solid Mechanics	Core	3	0	2	1	9
4.	MMU 07325	Materials Technology	Core	2	0	3	1	9
5.	MMU 07326	Engineering Statistics	Core	4	0	1	1	9
6.	MMU 07327	Development Studies	Fundamental	2	1	0	1	6
7.	MMU 07328	Fluid Mechanics	Core	2	0	1	1	6
8.	MMU 07329	Naval Architecture	Core	3	0	2	1	9
	Subtotal			**20**	**3**	**9**	**8**	**60**

	Total hrs per week	**40**

Semester 4 Year 2

S/N	Module Code	Module Title		Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07430	Calculus	Fundamental	2	1	0	1	6
2.	MMU 07431	Numerical Methods	Fundamental	2	1	0	1	6
3.	MMU 07432	Principles of Management	Fundamental	2	1	0	1	6
4.	MMU 07433	Shipping Economics and International Trade	Fundamental	2	1	0	1	6
5.	MMU 07434	Engineering Dynamics	Core	4	1	0	1	9
6.	MMU 07435	Design of Machine Elements	Core	4	0	1	1	9
7.	MMU 07436	Computer Aided Drafting	Core	2	0	3	1	9
8.	MMU 07437	Industrial Practical Training II	Core	0	0	6	0	9
	Subtotal			**18**	**5**	**10**	**7**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

Semester 5 Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07538	Mechanical Engineering Design	Core	2	1	4	1	12
2.	MMU 07539	Maintenance of Propulsion Machinery	Core	2	1	4	1	12
3.	MMU 07540	Industrial Electronics	Core	2	1	2	1	9
4.	MMU 07541	Shipbuilding Technology	Core	2	1	2	1	9

5.	MMU 07542	Research Methodology	Fundamental	2	1	2	1	9
6.	MMU 07543	Basic of Electrical Engineering	Core	2	1	2	1	9
	Subtotal			**12**	**6**	**16**	**6**	**60**
	Total hrs per week			**40**				

Semester 6 Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07644	Marine Survey	Core	4	1	2	1	12
2.	MMU 07645	Maritime Law	Core	2	2	0	2	9
3.	MMU 07646	Entrepreneurship	Fundamental	2	1	0	1	6
4.	MMU 07647	Project Management	Fundamental	4	2	0	2	12
5.	MMU 07648	Group Design Project	Core	0	0	8	0	12
6.	MMU 07649	Industrial Practical Training III	Core	0	0	6	0	9
	Subtotal			**12**	**6**	**16**	**6**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

(b) Bachelor in Marine and Mechanical Engineering (NTA level 8)

Aim of the programme

This programme aims at producing graduate with concepts and principles of mechatronics engineering, understanding, skills and underpinning knowledge of mechatronics systems, their construction, operation and management; and ability to use computers in engineering design work.

Purpose of Qualification

Upon successful completion of the programme graduates will have the qualification of working on shore as engineers in related mechanical and marine engineering tasks in production industries, industrial workshops or offshore platforms.

Also as officer in charge of engineering watch after acquiring the required supervised sea service.

Exit Point

An exit point is provided at the end of the second semester.

Semester 1
Year 4

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 08101	Quantitative Methods	Fundamental	2	1	0	1	6
2.	MMU 08102	Thermo-Refrigeration and Air Conditioning	Core	2	1	3	0	9
3.	MMU 08103	Fluid Machinery	Core	2	1	2	1	9
4.	MMU 08104	Computer Aided Design	Core	2	1	2	1	9
5.	MMU 08105	Engine Room Simulation	Core	2	0	4	0	9
6.	MMU 08106	Mechanical Vibrations	Core	2	1	2	1	9
7.	MMU 08107	Computational Fluid Dynamics	Core	4	1	0	1	9
	Subtotal			**16**	**6**	**13**	**5**	**60**
	Total hrs per week			**40**				

Semester 2 Year 4

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 08208	Environmental Management	Fundamental	4	2	0	2	12
2.	MMU 08209	Manufacturing Processes and Industrial Automation	Core	4	2	0	2	12
3.	MMU 08210	Final Project	Core	0	0	8	0	12
4.	Elective I			4	2	0	2	12
5.	Elective II			4	2	0	2	12
	Subtotal			**16**	**6**	**13**	**5**	**60**
	Total hrs per week			**40**				

NB: In semester two, 24 credits will be obtained from two selected elective modules in order to attain the minimum total of 60 credits.

ELECTIVE MODULES

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 08211	Dynamic and Control	Elective	4	2	0	2	12
2.	MMU 08212	Industrial Management	Elective	4	2	0	2	12
3.	MMU 08213	Business of Shipping	Elective	4	2	0	2	12
4.	MMU 08214	Shipping Finance and Accounting	Elective	4	2	0	2	12
5.	MMU 08215	Flag and Port State Control	Elective	4	2	0	2	12
6.	MMU 08216	Ship Agency	Elective	4	2	0	2	12

4.3.8 Bachelor in in Mechatronics Engineering (NTA Level 7/8)

(a) *Higher Diploma in Mechatronics Engineering (NTA Level 7)*

Rationale of the programme

The rationale of the programme is to produce graduates for careers in the mechatronics engineering industry and related enterprises at operational and managerial levels. It offers essential technical components that meet certification requirements in Mechatronics Engineering, while integrating academic knowledge with practical experience through field training, visits, and tours to ensure graduates are competent and industry-ready.

Purpose of Qualification

This qualification is intended for a person who will be undertaking duties to design, build, maintain and test automated and mechatronic systems.

Exit Point

The Higher Diploma in Mechatronics Engineering is an exit from a four years bachelor programme. The candidate who exits the programme at the end of year 3 having successfully attained a minimum of 360 credits will be eligible to join NTA Level 8

Semester 1
Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MTU 07101	Communication Skills for Engineers	Fundamental	2	1	0	1	**6**

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
2.	MTU 07102	Mathematical Methods for Mechatronics Engineers	Fundamental	2	1	0	1	**6**
3.	MTU 07103	Engineering Statics	Core	4	1	0	1	**9**
4.	MTU 07104	Electrical Networks	Core	4	1	2	1	**12**
5.	MTU 07105	Engineering Workshop Practice	Core	2	0	6	0	**12**
6.	MTU 07106	Engineering Design Drawings	Core	2	1	0	1	**6**
7.	MTU 07107	Computer Systems Application	Fundamental	2	1	2	1	**9**
Subtotal				**18**	**6**	**10**	**6**	**60**
Total Hrs per week				**40**				

Semester 2
Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MTU 07208	Engineering Dynamics	Core	2	1	0	1	**6**
2.	MTU 07209	Electrical Workshop Practice	Core	2	0	4	0	**9**
3.	MTU 07210	Social Economic Development	Fundamental	2	1	0	1	**6**
4.	MTU 07211	Differential Calculus for Engineers	Fundamental	2	1	0	1	**6**
5.	MTU 07212	Electrical Engineering Principles	Core	4	1	2	1	**12**
6.	MTU 07213	Semiconductor Devices	Core	2	1	2	1	**9**
7.	MTU 07214	Industrial Training for Electrical Practices	Core	0	0	8	0	**12**
Subtotal				**14**	**5**	**16**	**5**	**60**
Total Hrs/per week				**40**				

Note: Industrial Training will be carried on during vacation

Semester 3
Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07305	Thermodynamics and Heat Transfer	Core	2	1	0	1	6
2.	MEU 07336	Strength of Material	Core	2	1	0	1	6
3.	MEU 07359	Electrical Machines	Core	4	0	3	0	11
4.	MEU 07360	Electronics Circuit Design	Core	2	1	1	0	6
5.	MEU 07361	Statistics and Probability for Engineers	Fundamental	2	1	0	0	4
6.	MEU 07309	Fluid Mechanics	Core	2	1	0	1	6
7.	MEU 07307	Design of Machine Elements	Core	4	0	4	0	12
8.	MEU 07306	Material Technology	Core	4	1	0	1	9
Subtotal				**22**	**6**	**8**	**4**	**60**
Total Hrs per week				**40**				

Semester 4
Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07463	Computer Programming	Core	2	1	2	1	9
2.	MEU 07464	Mechanics of Solids	Core	2	1	2	1	9
3.	MEU 07465	Digital Logic Circuits and Design	Core	4	1	0	1	9
4.	MEU 07466	Microcontroller Based design	Core	4	1	2	1	12
5.	MEU 07467	Modelling Analysis and System Control	Core	4	1	2	1	12
6.	MEU 07468	Industrial Training II	Core	0	0	6	0	9
Subtotal				**16**	**5**	**14**	**5**	**60**
Total Hrs/per week				**40**				

Note: Industrial Training will be carried on during vacation

Semester 5:
Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07569	Industrial Automation	Core	4	0	2	0	9
2.	MEU 07549	Research Methodology	Fundamental	2	1	0	1	6
3.	MEU 07570	Mechatronics System Design	Core	4	1	3	0	12
4.	MEU 07571	Artificial Intelligence	Core	2	1	2	1	9
5.	MEU 07572	Design of Control Systems	Core	4	1	2	1	12
6.	MEU 07573	Machine Parts Assembling	Core	4	1	2	1	12
Subtotal				**20**	**5**	**11**	**4**	**60**
Total Hrs per week				**40**				

Semester 6
Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07674	Power Electronics	Core	2	1	2	1	9
2.	MEU 07675	Data Structures and Object-Oriented Programming	Core	2	1	2	1	9
3.	MEU 07676	Electrical Measurements and Instrumentation	Core	2	1	2	1	9
4.	MEU 07677	Electric Drives	Core	2	1	2	1	9
5.	MEU 07678	VLSI Design Concepts and Methodologies	Core	2	1	2	1	9
6.	MEU 07679	Industrial Training III	Core	0	0	10	0	15
Subtotal				**10**	**5**	**20**	**5**	**60**
Total Hrs/per week				**40**				

Note: Industrial Training will be carried on during vacation

b) Bachelor Degree (NTA Level 8) in Mechatronics Engineering (BMTE)

Aim of the programme

This programme aims at producing graduate with concepts and principles of mechatronics engineering, understanding, skills and underpinning knowledge of mechatronics systems, their construction, operation and management; and ability to use computers in engineering design work.

Purpose of Qualification

This qualification is intended for a person who will determine how to improve production in manufacturing by developing new machinery and tools, improve automated processes in a production line and manage and supervise engineering plants and enterprises.

Exit

An exit point for this programme will be at the end of the second semester.

Semester 1
Year 4

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SMU 08101	Quantitative Methods	Fundamental	2	1	0	1	6
2.	MEU 08128	Modeling and Simulation	Core	4	0	2	0	9
3.	MEU 08129	Mechanical Vibrations	Core	4	0	2	0	9
4.	MEU 08130	Engineering Maintenance	Core	4	0	4	0	12
5.	MEU 08105	Computer Aided Design	Core	4	1	2	1	12
6.	MEU 08131	Robot Kinematics and Dynamics	Core	4	1	2	1	12
Subtotal				**22**	**3**	**12**	**3**	**60**
Total Hrs per week				**40**				

Semester 2
Year 4

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 08232	Embedded Systems	Core	4	1	2	1	12
2.	MEU 08233	Heat,	Core	2	0	2	0	6

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
		Ventilation, Refrigeration and Air Conditioning						
3.	MEU 08234	Project Management	Fundamental	2	1	0	1	6
4.	MEU 08235	Engineering Economic Analysis	Core	2	1	0	1	6
5.	MEU 08236	Dissertation/ Design Project	Core	0	0	8	0	12
6.	Elective I			4	0	2	0	9
7.	Elective I			4	0	2	0	9
Subtotal				18	3	16	3	60
Total Hrs/per week				**40**				

ELECTIVE MODULES

	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 08237	Numerical Analysis	Elective	4	0	2	0	9
2.	MEU 08238	Entrepreneurship Skills	Elective	4	0	2	0	9
3.	MEU 08239	Filter Design and Digital Signal Processing	Elective	4	0	2	0	9
4.	MEU 08240	High Voltage Engineering		4	0	2	0	9

4.3.8 Master Degree (NTA Level 9) in Shipping Economics and Logistics (MSEL)

Aims of the Programme

The aim of the programme is to produce graduate with mastery of complex knowledge, skills and aptitude in shipping economics and logistics. The programmes underpin issues in shipping and logistics modelling and optimisations, port operations, fleet management and intermodal transport networking. Furthermore, the graduate must be able to use computers in designing, simulation, warehousing management, inventory control, mitigation of business enterprises, fleet

management and forecast for sustainable, profitable and productivity gearing to industrialized economy.

Purpose of the programmes

This qualification is intended for a person who will be a Shipping Economist and shall be able to optimise, plan, organise, control, execute, evaluate the viable networks and projects in Shipping, logistics and supply chain in a dynamic and sustainable business environment. Likewise, she/he shall be able to carry out research, consultancy and develop policies at managerial level.

Module Arrangement

Semester 1 Year 1

No.	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SEG 09101	Shipping Business and Services Marketing	Core	2	1	2	1	9
2.	SEG 09102	Logistics and Supply Chain Systems	Core	2	1	2	1	9
3.	SEG 09103	Strategic Procurement and Inventory Management	Core	2	0	1	1	6
4.	SEG 09104	Blue Economy Sustainability	Core	2	1	2	1	9
5.	SEG 09105	Shipping Technology, Innovation and Survey	Core	2	1	2	1	9
Subtotal				**10**	**4**	**9**	**5**	**42**
Total Hrs per week				**28**				

Semester 2 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SEG 09206	Shipping Economics and Port Management	Core	4		1	1	9
2.	SEG 09207	Applied Business Statistics and Operations Research	Fundamental	2	1	2	1	9
3.	SEG 09208	Shipping Finance and Accounting Management	Core	2	1	2	1	9
4.	SEG 09209	Shipping Derivatives and	Core	2		1	1	6

		Risk Management						
5.	SEG 09210	Strategic Human Resource Management	Fundamental	2		1	1	6
Subtotal				**12**	**2**	**7**	**5**	**39**
Total Hrs per week				**26**				

Semester 3 Year 2

S/N	**Module Code**	**Module Title**	**Class**	**Scheme of Study Hrs/Week**				**Credits**
				L	**T**	**P**	**AS**	
1.	SEG 09311	Strategic Management and Business Ethics	Fundamental	2	1	2	1	9
2.	SEG 09312	Research Methodology	Core	2		1	1	6
3.	SEG 09313	Maritime Law	Core	2	1	2	1	9
4.	SEG 09314	Managerial Economics	Core	2	1	2	1	9
5.	Elective		Fundamental	2		1	1	6
Subtotal				**10**	**3**	**8**	**5**	**39**
Total Hrs per week				**26**				

Electives (one Module)

S/N	**Module Code**	**Module Title**	**Class**	**Scheme of Study Hrs/Week**				**Credits**
				L	**T**	**P**	**AS**	
1.	SEG 09315	Intermodal and Multimodal Transport	Fundamental	2		1	1	6
2.	SEG 09316	Passenger and Livestock Transport	Fundamental	2		1	1	6
3.	SEG 09317	Entrepreneurship Practices	Fundamental	2		1	1	6

Semester 4 Year 2

S/N	Module Code	Module Title	Class	Credits
1.	SEG 09418	Dissertation	Core	60
	Sub Total			60

Total minimum credits required at this level is 180

4.3.9 Master Degree (NTA Level 9) in Transport and Supply Chain Management (MTSM)

Aims of the Programme

The aim of the programme is to produce graduate with mastery of complex knowledge skills and aptitude in shipping economics, logistics and supply management in order to work in multiplex transport, shipping, logistical and supply chain environments, manage the processes in designing logistics and supply chain models, deliveries, mitigations of transport business enterprises, fleet management and intermodal transport networking, cost-benefit analysis and forecast. Imbuing positive attitudes toward work and professional advancement.

Purpose of the programmes

This qualification is intended for a person who will be a Transport Logician. The person will be able to plan, cost, price, organise and execute transport and supply chain in a dynamic and sustainable business environment at managerial level.

Module Arrangement

Semester 1 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SMG 09120	Transport Economics and Regional Markets	Core	3	1	1	1	9
2.	SMG 09121	Strategic Supply Chain Management and Governance	Core	3	1	1	1	9
3.	SMG 09122	Shipping, Port Operations and Services marketing	Core	2	0	1	1	6
4.	SMG 09123	Customer Service and Logistics Interface Management	Core	3	1	1	1	9
5.	SMG 09124	Technology Enablers for Supply Chain Management	Core	3	1	1	1	9
Subtotal				**14**	**4**	**5**	**5**	**42**
Total Hrs per week				**28**				

Semester 2 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SMG 09225	Business Forecasting and Optimization Methods	Core	3	1	1	1	9
2.	SMG 09226	Financing and Accounting of Transport and Supply chain Systems.	Fundamental	2	1	0	1	6
3.	SMG 09227	Inventory and Warehouse Management	Core	2	0	1	1	6
4.	SMG 09228	Maritime Transport Operations Management	Core	2	1	0	1	6
5.	SMG 09229	Rail Transport Operations Management	Core	2	0	1	1	6
6.	SMG 09230	Road Transport Operations Management	Core	2	1	0	1	6
Subtotal				**13**	**4**	**3**	**6**	**39**
Total Hrs per week				**26**				

Semester 3 Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SMG 09331	Air Transport Operations Management	Core	2	0	1	1	6
2.	SMG 09332	Pipeline Transport Operations Management	Core	2	0	1	1	6
3.	SMG 09333	Legal Aspects of Transport and Insurance	Fundamental	3	1	1	1	9
4.	SMG 09317	Entrepreneurship	Fundamental	2	1	0	1	6
5.	SMG 09312	Research Methodology	Core	2	1	0	1	6
6.	Elective		Fundamental	2	0	1	1	6
Subtotal				**13**	**3**	**4**	**6**	**39**
Total Hrs per week				**26**				

Electives (one Module)

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SMG 09334	Transport Geography and Network Analysis	Core	2		1	1	6
2.	SMG 09335	Urban and Rural Transport Operations Management	Core	2		1	1	6
3.	SMG 09315	Intermodal and Multimodal Transport	Core	2		1	1	6
4.	SMG 09316	Strategic Management	Core	2		1	1	6

Total minimum credits required at this level is 180

Semester 4 Year 2

S/N	Module Code	Module Title	Class	Credits
1.	SMG 09419	Dissertation	Core	60
Sub Total				60

4.3.10 Master Degree in Marine Engineering Management (NTA Level 9)

Aim of the Programme

This programme aims at producing postgraduate engineers with current tools, knowledge and skills necessary for a successful career in local and global marine engineering management; support the progression of engineers of all disciplines; promote entrepreneurship and entrepreneurship and the core values of ethical enterprise in modern economies.

Purpose of Qualification

This qualification is intended to provide students with skills and capability to analyse the performance of ship at sea, manage maritime projects, model maritime systems, manage maritime fleet and assets, control and maintain marine machineries and analyse the behaviour of materials and their performance in marine environment.

Module Arrangement
Semester 1
Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEG 09101	Ship Performance Optimization	Core	2	1	0	1	**6**
2.	MEG 09102	Marine Design	Core	2	2	4	0	**12**

		with CAD						
3.	MEG 09103	Ship Design Management	Core	2	1	0	1	**6**
4.	MEG 09104	Management of Marine Power Systems	Core	2	1	2	1	**9**
5.	MEG 09105	Maritime Energy Management	Core	2	1	0	1	**6**
Subtotal				**10**	**6**	**6**	**4**	**39**
Total Hrs per week				**26**				

Semester 2
Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEG 09206	Shipboard Monitoring and Control Systems.	Core	2	1	2	1	9
2.	MEG 09207	Marine Maintenance and Asset Management	Core	2	1	0	1	6
3.	MEG 09208	Maritime Project Management	Fundamental	2	1	1	0	6
4.	MEG 09209	Dynamic Modelling and Simulation of Marine Systems	Core	2	1	4	1	12
5.	MEG 09210	Marine Computational Intelligence	Core	2	1	4	1	12
Subtotal				**10**	**5**	**11**	**4**	**45**
Total Hrs per week				**30**				

Semester 3
Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEG 09311	Programming with MATLAB	Core	2	1	2	1	9
2.	MEG 09312	Research Skills and Statistical Methods	Fundamental	2	1	0	1	6
3.	MEG 09313	Safety and Environmental Engineering Management	Core	2	1	0	1	6

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
4.	SEG 09332	Pipeline Transport Operations Management	Core	2	1	0	1	6
5.	ELECTIVE			2	2	0	2	9
Subtotal				**10**	**6**	**2**	**6**	**36**
Total Hrs per week				**24**				

Electives

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEG 09314	Sustainable Maritime Business	Elective	2	1	0	1	9
2.	MEG 09315	Regulatory Framework and Marine Survey	Elective	2	1	0	1	9
3.	SEG 09313	Maritime Law	Elective	2	1	0	1	9
4.	SEG 09104	Maritime Economics	Elective	2	1	0	1	9

Semester 4
Year 2

S/N	Module Code	Module Title	Class	Credits
1.	SMG 09419	Dissertation	Core	60
	Sub Total			**60**

4.3.11 Master Degree in International Trade and Maritime Law

Aim of the Programme
This programme aims at producing postgraduates with competence to evaluate circumstances in maritime industry and give proper legal advice, competence knowledge to work on complex maritime law issues and encourage positive attitude towards work and professional advancement.

Purpose of Qualification
This qualification is intended for person who will work as business lawyers, legal adviser, shipping solicitor, port manager, maritime brokers, costs lawyer, academic teacher/researcher, finance administrators, transport and logistics lawyer.

Module Arrangement
Semester 1
Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	IMG 09101	Conflict of Laws	Core	4	2	0	2	12
2.	IMG 09102	Shipping Finance and Ship Registrations	Core	4	1	0	1	9
3.	IMG 09103	Carriage of Goods by Sea	Core	4	1	0	1	9
4.	IMG 09104	Marine Insurance and General Average	Core	4	1	0	1	9
5.	IMG 09105	Maritime Safety and Security	Core	2	1	0	1	6
Subtotal				**18**	**6**	**0**	**6**	**45**
Total hrs per Week				**30**				

Semester 2
Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	IMG 09206	International Trade Governance	Core	4	1	0	1	9
2.	IMG 09207	Trade and Letter of Credits	Core	4	1	0	1	9
3.	IMG 09208	Multimodal Transportation	Fundamental	4	2	0	2	12
4.	SMG 09312	Research Methodology	Fundamental	2	1	0	1	6
5.	IMG 09209	International Competition Law	Core	4	1	0	1	9
Subtotal			**18**	**6**	**0**	**6**	**45**	**18**
Total hrs per Week			**30**					

Semester 3
Year 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SMG 09317	Entrepreneurship	Fundamental	2	1	0	1	6
2.	IMG 09310	E-Commerce	Fundamental	2	1	0	1	6
3.	IMG 09311	Trade and Intellectual Property	Cove	2	1	0	1	
4.	Elective			2	1	0	1	6
Subtotal				**8**	**4**	**0**	**4**	**24**
Total hrs per week			**16**					

Electives (to select one module as elective)

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	IMG 09312	International Environmental Law	Fundamental	2	1		1	6
2.	IMG 09313	International Commercial Arbitration	Fundamental	2	1		1	6
3.	SMG 09332	Pipeline Transport Operations Management	Fundamental	2	1		1	6

Semester 4
Year 2

S/N	Module Code	Module Title	Credits
1.	SMG 09419	Dissertation	60
	Sub Total		**60**

4.3.12 Master Degree in Maritime Transport and Nautical Science

Aims of the Programme
The aim of the programme is to produce graduates with:

- Competence to evaluate circumstances in maritime industry and give proper advice.
- Broad competency-based knowledge to work on complex maritime transport management issues.
- Positive attitudes toward work and professional advancement.

Objectives of the Programme

The objectives of the programme are:

- To provide students with comprehensive knowledge, skills and principles of marine nautical science and maritime transport management.
- To provide students with technological skills necessary for supervision and safe operation of marine vessels.
- To provide students with design, simulation and innovative skills in nautical science and maritime transport
- To provide students with knowledge and skills in leadership, project management and research in order to tackle problems in maritime industry.

Module Arrangement
Semester 1
Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MTG 09101	Maritime Safety and Security Management	Core	2	1	2	1	9
2.	MTG 09102	Navigation and Bridge Management	Core	2	1	4	1	12
3.	MTG 09103	Legislation and International Codes	Core	2	1	2	1	9
4.	MTG 09104	Ship Manoeuvring and Control	Core	2	1	2	1	9
Subtotal				**8**	**4**	**10**	**4**	**39**
Total hrs per Week				**26**				

Semester 2
Year *1*

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MTG 09205	Propulsion and Auxiliary Systems Management	Fundamental	2	1	2	1	9
2.	MTG 09206	Marine Pollution Prevention and Management	Fundamental	2	1	0	1	6
3.	MTG 09207	Research Methodology	Core	2	2	2	2	12
4.	MTG 09208	Maritime Economics and Shipping Business	Core	2	1	2	1	9
5.	MTN 09209	Management of Ports and Terminals	Core	2	1	2	1	9
Subtotal				**10**	**6**	**8**	**6**	**45**
Total hrs per Week				**30**				

Semester 3
Year 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MTG 09310	Cargo Stowage and Customs Management	Cove	2	1	0	1	6
2.	MTG 09311	Simulation of Shipboard Operations	Cove	2	1	2	1	9
3.	MTG 09312	Dynamics of Marine Vessels	Cove	2	1	2	1	9
4.	MTG 09313	Leadership and Management of Maritime Industries	Cove	2	1	0	1	6
5.	Elective			2	1	0	1	6
Subtotal				**10**	**5**	**4**	**5**	**36**
Total hrs per week			**24**					

Electives (to select one module as elective)

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MTG 09314	Maritime Accident and Investigation Management	Core	2	1	0	1	6
2.	MTG 09315	Entrepreneurship Practice	Fundamental	2	1	0	1	6
3.	MTG 09316	Maritime Inspection and Documentation	Core	2	1	0	1	6
4.	MTG 09317	Maritime Project Management	Core	2	1	0	1	6

Semester 4
Year 2

S/N	Code	Module Title	Credit
1.	MTG 09418	Dissertation	60
	Sub Total		**60**

4.3.13 Master Degree (NTA Level 9) In Maritime Safety, Security and Environmental Management

Programme Rationale

The aim of the programme is to produce graduates with:

- The necessary knowledge and skills in a wide variety of roles in Maritime Safety, Security and Environmental Management.
- A broader understanding of management aspects of maritime safety, security and environment with emphasis on regulations compliance, problem solving, accident investigation, piracy, cybersecurity, risk and uncertain analysis, human factors, as well as leadership and management.
- The ability to perform maritime safety, security and environmental management related duties including ship inspections and audits, maritime policy development, maritime safety duties and maritime security tasks.
- Opportunities for self-employment or work in organisations such as maritime training institutions, ports and terminals, maritime administrations, marine survey companies, shipyards, insurance companies, industrial production companies, offshore platforms, maritime dispute resolution authorities or tribunals, security companies and environment protection entities.
- Knowledge and skills tailored to meet workplace needs in both local and international labour markets, based on gaps identified through stakeholder feedback.

Objectives of the Programme

The objectives of the programme

- Provide a mastery of complex knowledge and skills in maritime safety, security and environmental management.
- Provide a specialized knowledge and skills and aptitude underpinning maritime safety on accidents and loss, fleet management, safety leadership, safety regulations, loss control risks and hazards
- Apply knowledge and skills on impacts of shipping on the environment from air pollution formation and impacts, global warming causes and methods of protection of the environment from conventions and international instruments
- Apply methods of protection of maritime trade. fundamental of maritime security, Maritime terrorism, management of cybersecurity
- Employ knowledge and understanding to conduct research, consultancy and work autonomously in a complex, challenging, and unpredictable situation and draw conclusion and solution regarding maritime safety, security and environment.

Module Arrangement
Semester 1
Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MSG 09101	Writing Skills	Fundamental	2	1	0	1	6
2.	MSG 09102	Maritime Operations	Core	3	1	2	2	12
3.	MSG 09103	Maritime Law	Core	2	1	0	1	6
4.	MSG 09104	Safety in Maritime Operations	Core	3	2	0	1	9
5.	MSG 09105	Marine Insurance & General Average	Core	3	0	0	1	6
Subtotal				**13**	**5**	**2**	**6**	**39**
Total hrs per Week				**26**				

Semester 2
Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MSG 09206	Security and Cyber risk studies	Core	3	2	0	1	9

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
2.	MSG 09207	Maritime Management	Core	3	0	0	1	6
3.	MSG 09208	Environmental Issues	Core	3	2	1	2	12
4.	MSG 09209	Blue Economy Sustainability	Fundamental	3	0	0	1	6
5.	MSG 09210	Marine Survey	Core	3	2	0	1	9
Subtotal				**15**	**6**	**1**	**6**	**42**
Total hrs per Week				**28**				

Semester 3
Year 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MSG 09311	Research Methodology	Core	3	2	0	1	9
2.	MSG 09312	Maritime Technology	Core	3	1	1	1	9
3.	MSG 09313	Maritime Economics and Accounting	Core	2	1	0	1	6
4.	MSG 09314	Passenger and Livestock Transport	Fundamental	3	1	0	2	9
5.	MSG 09315	Entrepreneurship Practices	Fundamental	2	1	0	1	6
Subtotal				**13**	**6**	**1**	**6**	**39**
Total hrs per week			**26**					

Semester 4
Year 2

S/N	Code	Module Title	Credit
1.	MSG 09418	Dissertation	60
	Sub Total		**60**

4.4 Certificate of Competency (CoC) Programmes

4.4.1 Maritime Transport Department

4.4.1.1 Officer in Charge of a Navigational Watch on Ships less than 500GT Engaged on Near Coastal Voyage

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-ll/3 of the STCW Convention for the function of Navigation at the Operational level, Cargo handling and stowage at the Operational level and controlling the operation of the ship and care for persons on board at the Operational level.

Module Arrangement

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TON 201	Chart Work	Core	5	0	1	0	6
2.	TON 202	Practical Navigation	Core	4	0	1	0	5
3.	TON 203	Meteorology	Core	4	0	0	0	4
4.	TON 204	Signalling	Core	3	0	2	0	5
5.	TON 205	General Ship Knowledge	Core	4	0	0	0	4
6.	TON 206	Watchkeeping	Core	5	0	0	0	5
7.	TON 207	Maritime Law	Core	2	0	1	0	3
8.	TON 212	Mathematics	Fundamental	2	0	2	0	4
9.	TON 213	Fundamentals of Maritime English	Fundamental	2	0	2	0	4
Subtotal				**31**	**0**	**9**	**0**	**40**
Total hrs per week			**40**					

4.4.1.2 Master on Ships less than 500GT

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-ll/3 of the STCW Convention for the function of Navigation at the Operational level, Cargo handling and stowage at the Operational level and controlling the operation of the ship and care for persons on board at the Operational level.

Module Arrangement

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TON 208	Business and Law	Core	6	0	0	1	7
2.	TON 209	Ship Stability	Core	6	0	0	2	9
3.	TON 210	Compasses	Core	5	0	1	0	6
4.	TON 211	Information Technology	Fundamental	4	0	2	1	5
5.	TON 214	Trigonometry and Coordinate Geometry	Fundamental	6	0	0	1	7
6.	TON 215	Maritime English	Fundamental	4	0	0	2	6
Subtotal				**21**	**0**	**2**	**7**	**40**
Total hrs per week			**40**					

4.4.1.3 Officer in Charge of a Navigational Watch on Ships 500GT or more

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-II/1 of the STCW Convention for the function of Navigation at the operational level, Cargo handling and stowage at the management level and controlling the operation of the ship and care for persons on board at the operational level

Module Arrangement

Semester 1

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TO 2101	Coastal Navigation	Core	4	2	2	0	8
2.	TO 2102	Meteorology	Core	4	1	2	0	7
3.	TO 2103	Watchkeeping	Core	4	2	0	0	6
4.	TO 2104	Signalling	Core	2	0	1	0	3
5.	TO 2105	Ship Construction	Core	3	0	0	1	4
6.	TO 2106	Mathematics	Fundamental	4	0	0	2	6
7.	TO 2107	Applied Science	Fundamental	4	0	0	2	6
Subtotal				**25**	**5**	**5**	**5**	**40**
Total hrs per week			**40**					

Semester 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TO 2108	Ocean and Offshore Navigation	Core	6	0	0	2	8
2.	TO 2109	Electronic Navigation Systems	Core	4	0	2	0	6
3.	TO 2110	Operational Safety	Core	6	0	0	2	8
4.	TO 2111	Radar Navigation and Plotting	Core	2	0	2	0	4
5.	TO 2112	Maritime Law	Core	3	0	0	1	4
6.	TO 2113	Principles of Navigation	Core	4	2	0	0	6
7.	TO 2114	Maritime English	Fundamental	2	2	0	0	4
Subtotal				**27**	**4**	**4**	**5**	**40**
Total hrs per week			**40**					

4.4.1.4 Master and Chief Mate on Ships between 500GT and 3000GT

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-ll/2 of the STCW Convention for the function of Navigation at the management level, Cargo handling and stowage at the management level and controlling the operation of the ship and care for persons on board at the management level.

Module Arrangement

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TM 101	Navigation	Core	4	0	0	0	4
2.	TM 102	Navigation Instrumentation	Core	3	0	2	0	5
3.	TM 103	Watchkeeping	Core	3	0	0	2	5
4.	TM 104	Meteorology	Core	2	2	0	0	4
5.	TM 105	Engineering and control systems	Core	2	0	2	0	4
6.	TM 106	Ship Construction and Stability	Core	4	0	1	1	6
7.	TM 207	Business and Law	Core	4	0	0	0	4
8.	TM 208	Information Technology	Fundamental	2	0	2	0	4
9.	TM 209	Communication Skills	Fundamental	2	0	2	0	4
Subtotal				**26**	**2**	**9**	**3**	**40**
Total hrs per week			**40**					

4.4.1.5 Master and Chief Mate

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-ll/2 of the STCW Convention for the function of Navigation at the management level, Cargo handling and stowage at the management level and controlling the operation of the ship and care for persons on board at the management level.

Module Arrangement

Semester 1

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TM 1101	Navigation	Core	5	0	2	0	7
2.	TM 1102	Navigation Instrumentation	Core	4	2	0	0	6
3.	TM 1103	Watchkeeping	Core	5	1	2	1	9
4.	TM 1104	Meteorology	Core	5	0	0	0	5
5.	TM 1105	Engineering and control systems	Core	4	1	0	0	5
6.	TM 1106	Shipboard Operations	Core	7	1	0	0	8
Subtotal				**30**	**5**	**4**	**1**	**40**
Total hrs per week			**40**					

Semester 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TM 1207	Ship Construction and Stability	Core	6	0	0	3	9
2.	TM 1208	Business and Law	Fundamental	4	0	0	2	6
3.	TM 1209	Operation Management of Maritime Organizations	Fundamental	4	2	0	0	6
4.	TM 1210	Information Technology	Fundamental	2	0	2	0	4
5.	TM 1211	Shipping Economics	Core	4	0	0	0	4
6.	TM 1212	Electronic Navigation Systems	Core	3	1	2	0	6
7.	TM 1213	Communication Skills	Fundamental	4	0	0	0	5
Subtotal				**27**	**3**	**5**	**5**	**40**
Total hrs per week			**40**					

4.4.1.6 Marine Engineering Department

4.4.1.7 Officer in Charge of an Engineering Watch on Ships less than 750kW

Aim of the Programme

This programme aims to meet the minimum requirements for knowledge, understanding and proficiency that is appropriate for officer in charge of an engineering watch less than 750 kW extracted from Table A-Ill/1 of STCW for the function Marine Engineering at the Operational Level, for the function Electrical, Electronic and Control Engineering at the Operational Level, for the function Maintenance and Repair at the Operational Level and the background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Operational Level.

Module Arrangement

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EO 201	Mathematics	2	0	1	0	3
2.	EO 202	English	2	0	0	0	2
3.	EO 203	Mechanics	2	0	1	0	3
4.	EO 204	Thermodynamics	2	0	0	0	2
5.	EO 205	Engineering Drawing	2	0	0	0	2
6.	EO 206	Workshop Practice	2	0	0	4	6
7.	EO 207	Diesel Engine	2	0	0	1	3
8.	EO 208	Instrumentation and Control	2	0	0	0	3
9.	EO 209	Marine Engineering Practice	2	0	0	3	5
10.	EO 210	Electro-technology	2	0	1	2	5
11.	EO 211	General Engineering Knowledge	4	0	2	0	6
	Subtotal		**24**	**0**	**5**	**10**	**40**
	Total hrs per week		**40**				

4.4.1.8 Electro-Technical Officer

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-Ill/6 of STCW for the function Electrical, Electronic and Control Engineering at the Operational Level, for the function Maintenance and Repair at the Operational Level and the background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Operational Level.

Module Arrangement

Semester 1

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EOE 2101	Mathematics	5			2	7
2.	EOE 2102	Maritime English	3			2	5
3.	EOE 2103	Applied Science	4			1	5
4.	EOE 2104	Electro-technology	4		9	2	15
5.	EOE 2105	Computer Application and Networking	4		4	2	8
	Subtotal		**20**		**13**	**9**	**42**
	Total hrs per week		**42**				

Semester 2

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EOE 2206	Maritime Management	2	0	0	1	3
2.	EOE 2207	Instrumentation and Control	3	0	3	1	7
3.	EOE 2208	Maritime Law	2	0	0	1	3
4.	EOE 2209	Electronics	2	0	2	0	4
5.	EOE 2210	Shipboard Machinery	4	0	5	2	11
6.	EOE 2211	Maintenance of Electrical and Electronic Equipment	7	0	10	2	19
	Subtotal		**19**		**21**	**7**	**48**
	Total hrs per week		**48**				

4.4.1.9 Officer in Charge of an Engineering Watch

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-Ill/1 of STCW for the function of Marine Engineering at the Operational Level, for the function of Electrical, Electronics and Control Engineering at the Operational Level, for the function Maintenance and Repair at the Operational Level and the background

knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Operational Level.

Module Arrangement

Semester 1

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EO 2101	Mathematics	2	1	0	1	4
2.	EO 2102	Maritime English	2	1	0	1	4
3.	EO 2103	Applied Science	2	1	0	1	4
4.	EO 2104	Thermo Refrigeration and Air Conditioning	2	0	2	0	4
5.	EO 2105	Electro technology 1	4		4	1	9
6.	EO 2106	General Engineering Knowledge 1	6	1	4	1	12
7.	EO 2107	Engineering Drawing	2	0	2	0	4
8.	EO 2108	Naval Architecture	2	0	2	0	4
9.	EO 2109	Ship Construction	3	0	0	1	4
	Subtotal		**25**	**4**	**14**	**6**	**48**
	Total hrs per week		**48**				

Semester 2

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EO 2210	Workshop Technology and Practice	2	2	6	2	8
2.	EO 2211	Motor Engineering Knowledge	4	1	2	1	6
3.	EO 2212	Engine room Watchkeeping	2	0	2	0	4
4.	EO 2213	Instrumentation and Control	2		2	1	4
5.	EO 2214	Maintenance of Marine Machinery	4	0	3	1	8
6.	EO 2215	Electro-technology 2	4	2	4	1	8
7.	EO 2216	General Engineering Knowledge 2	4	0	2	0	6
8.	EO 2217	Maritime Law	4	0	0	0	4
9.	EO 2218	Maritime Management	4	0	0	0	4
	Subtotal		**30**	**5**	**21**	**6**	**52**
	Total hrs per week		**52**				

4.4.1.10 Chief Engineer Officer and Second Engineer Officer on Ships between 750kW and 3000kW

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-Ill/2 of STCW for the

function Marine Engineering at the Management Level, for the function Electrical, Electronic and Control Engineering at the Management Level, for the function Maintenance and Repair at the Management Level and the background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Management Level.

Module Arrangement

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EM 101	Applied Heat	2	0	0	0	2
2.	EM 102	Applied Mechanics	2	0	0	0	2
3.	EM 103	Information Technology	2	0	0	0	2
4.	EM 104	Marine Engineering Knowledge	3	0	0	1	4
5.	EM 105	Naval Architecture	1	0	0	0	1
6.	EM 106	Ship Construction	1	0	0	0	1
7.	EM 107	Automation and Control	2	0	0	1	3
8.	EM 108	Shipping Economics	2	0	0	0	2
9.	EM 109	Maritime Law	2	0	0	0	2
10.	EM 110	Electrical Machines	2	0	2	0	4
11.	EM 111	Maintenance Management	2	0	1	0	3
12.	EM 112	Marine Diesel Engine	2	0	1	1	4
13.	EM 113	Maritime Management	2	0	0	0	2
	Subtotal		**25**	**0**	**4**	**3**	**32**
	Total hrs per week		**32**				

4.4.1.11 Chief Engineer Officer and Second Engineer Officer

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-Ill/2 of STCW for the function Marine Engineering at the Management Level, for the function Electrical, Electronic and Control Engineering at the Management Level, for the function Maintenance and Repair at the Management Level and the background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Management Level.

Module Arrangement

Semester 1

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EM 1101	Applied Heat	2	1	0	1	4
2.	EM 1102	Applied Mechanics	2	0	0	1	3
3.	EM 1103	Information Technology	1	0	2	1	4
4.	EM 1104	Marine Engineering Knowledge	6	0	5	1	12
5.	EM 1105	Naval Architecture	2	1	0	1	4
6.	EM 1106	Ship Construction	2	0	0	1	3
7.	EM 1107	Automation and Control	4	0	2	1	7
	Subtotal		**19**	**2**	**9**	**7**	**37**
	Total hrs per week		**37**				

Semester 2

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EM 1208	Shipping Economics	2	0	0	1	3
2.	EM 1209	Business and Maritime Law	2	1	0	1	4
3.	EM 1210	Electrical Machines and Electronics	6	0	7	1	14
4.	EM 1211	Maintenance Management	4	0	1	1	6
5.	EM 1212	Marine Diesel Engine	4	0	2	1	7
6.	EM 1213	Maritime Management	2	0	0	1	3
	Subtotal		**20**	**1**	**10**	**6**	**37**
	Total hrs per week		**37**				

CHAPTER 5: RULES AND REGULATIONS

The rules and regulations in this prospectus provide a brief overview of DMI's academic operations, serving as a quick reference for students on key institutional practices and procedures. The Institute's rules and regulations are but not limited to those provided below:

5.1 Primacy of Examination Regulations

The examination regulations take precedence over any other rules, including those of external or professional bodies, unless variation is specifically permitted.

5.2 Examinations Regulations

5.2.1 Special Arrangements

i. A student who, on account of physical disability or other handicap, are unable to sit for an examination at the place appointed should be considered for special arrangements.

ii. If the Rector or his/her delegate is unable to arrange for suitable supervision or a suitable venue such a student shall sit for a special examination as provided in Section 5.2.1 (i) of these Regulations.

5.2.2 Special Examinations

i. Special examinations may be granted if the Rector is satisfied that a student will be unable to sit for an examination on its due date due to medical reasons, death of close relative (parent/guardian, husband, wife, child, mother or father).

ii. Issues related to school fees shall NEVER be considered as genuine reason to be granted permission to sit for special examinations

iii. A student who failed to complete an examination due to illness arising at the time of the examination, as evidenced by a DMI Sick Sheet supported by a qualified medical practitioner, shall be granted permission to sit for a special examination.

iv. A student allowed to sit for a special examination shall be deemed to be attempting the examination for the first time and shall be accorded all the privileges for these regulations, except s/he will not be allowed to do supplementary in case of fail of module(s). Therefore, the students will carry module (s) or retake.

5.2.3 Supplementary Examinations

i. A student shall only be permitted to undertake a supplementary examination in a module, or modules, provided that his/her GPA is at least 2.0 for NTA level 4-8 and at least 3.0 for NTA level 9. But A students with less than 2.0 for NTA level 4-8 and less than 3.0 for NTA level 9 will repeat a year

ii. A student of NTA levels 4, 5, 6, 8 and 9 who sits for a supplementary examination and fail shall retake the module

iii. A student of NTA level 7 before exit year who sits for supplementary and fails shall carry the module.

iv. Where a student has passed by virtue of supplementary examination the highest grade for NTA levels 4-8 supplementary examinations shall be the lowest pass mark of "C" and "B" for NTA Level 9.

v. A student who fails the supplementary examination of a carryover module(s), or who fails a retake module(s) shall be subject to discontinuation from studies.

vi. Course work shall not be taken into account in assessing supplementary examinations.

5.2.4 Procedures for Carryover/retake

5.2.4.1 Carryover

i. Carryover refers to a penalty whereby a student is allowed to continue in the next academic year while repeating failed module(s) from the previous academic year.
ii. Carryover applies to a student who fails to attain minimum score of the continuous assessment or fails to clear his/her supplementary examination of the respective module(s).
iii. A student with carrying over module(s) shall:
    a. Attend all the prescribed lectures/tutorials/Practical/Fieldwork in the module(s); satisfy all the requirements for the Continuous Assessment Component in the module(s); and sit for the semester examinations in the module(s).

    b. Repeat a respective semester if he/she has accumulated three (3) carryover modules at a time.

    c. Be discontinued if he/she has accumulated more than three (3) carry over modules at a time.

    d. Clear carryover module(s) within the 12 months of the next academic year.

iv. Procedure for registration of carryover module(s);
   a. A student is required to register for carryover modules(s) first before registering for new modules offered in that semester.

   b. A student who has a carryover module shall pay tuition fee as per cost module formula.

Tuition Fee Payment for Carrying Over Module(s)

Cost per Module = $\frac{Tuition\ Fee}{Total\ Credit} x\ [Credit\ of\ Module\ to\ Carry]$

Where, **Tuition Fee** means the semester tuition fee to be paid by the carrying over student in that particular semester

Total credit means Total semester credit of the carried module(s)

   c. When a student has carryover module(s) the Grade(s) obtained in that module(s) shall be used in the computation of his/her cumulative Grade Point Average (GPA).

5.2.4.2 Retake

i. Retake refers to a penalty whereby a student at his/her exit level is not allowed to continue in the next academic year while repeating failed module(s) from the previous academic year.
ii. Retake applies to a student who fails to attain minimum score of the continuous assessment or fails to clear his/her supplementary examination of the respective module(s) while in his/her exit level i.e. NTA level 4, 5, 6, 7 exit year, 8 and 9.

iii. While retaking a Module(s) a student shall:
   a. Attend all the prescribed lectures/tutorials /Practical / fieldwork of the respective module(s).

   a. Satisfy all the requirements for the continuous assessment component of the respective module(s);

   b. Sit for the semester examinations of the respective module(s).

c. Retake failed modules(s) within the 12 months of the following academic year.

iv. Procedure for registration of retaking module(s);

a. A student is required to register for retake modules(s) first before registering for new modules offered in that semester.

b. A student who has a retake module(s) shall pay tuition fee as per cost module formula.

Tuition Fee Payment for Re-taking module(s)

Cost per Module = $\frac{Tuition\ Fee}{Total\ Credit} x\ [Credit\ of\ Module\ to\ Retake] + administrative\ fee$

Where, **Tuition Fee** means the semester tuition fee to be paid by the retaking student in that particular semester

Total credit means Total semester credit of the respective semester

5.2.5 Examination Irregularities

Examination Irregularity refer to any act of misconduct or violations of examination regulations by a candidate or any other person present, which compromise the fairness, integrity, or security of examination

5.2.5.1 Conducts of candidates in the examination

The conduct of a candidate in the examination shall be in the following manner:

a. No candidate shall be allowed to communicate with another candidate in the examination room once the examination has commenced.
b. No candidate shall take into the examination room in person or by agent any unauthorized material(s). It shall not be a defense to argue that one did not intend to use the unauthorized materials.
c. No candidate shall omit, neglect or in any way fail to follow lawful instructions or orders issued by the invigilator
d. No candidate shall take out of examination room answer booklet(s), used or unused
e. No candidate shall copy from any other candidate or exchange answers with another candidate in the examination room
f. No candidate shall aid and/or abet another candidate to copy from a script/booklet of another person
g. No candidate shall intimidate, coerce, scare, terrorise, bully, assault, beat or do any act to embarrass or mortify or humiliate the invigilator(s) or any Institute officials in the conduct of examination during the examination process

h. No candidate shall scribble in the examination question paper, body parts, or any other tools allowed in the examination room.
i. Where the question paper has been scribbled an examination committee will determine the seriousness of the matter and the extent with which it could be used in assisting one in cheating in an examination.
j. No candidate will be allowed to forge a student identification card: using a fake or altered student ID to enter examination room or presenting another personal ID to set exam in her/his place or modifying personal detail on an ID to appear eligible to an exam
k. No candidate shall be allowed to enter into the examination room without proper dress code as prescribed by the Institute.
l. No candidate shall indulge in any disruptive conduct including but not limited to shouting, assault of another student/candidate, using abusive language and /or threatening language, destruction of Institute property or the property of another student candidate around examination premises during examinations.
m. Any candidate who is found guilty of the acts prohibited under paragraphs 5.2.5.1(a-l) shall be disqualified from continuing with the examinations and shall be discontinued from studies forthwith, subject to the approval by the Academic Council.

5.2.6 Handling of Project and Dissertation /Thesis

a. A student shall not present as a **project and dissertation /thesis** report for the diploma or higher diploma or bachelor degree or Postgraduate any work, which has been accepted for any award in the Institute or elsewhere.

b. Each student shall submit, in accordance with such guidelines as may be determined from time to time, to the Research Consultancy and Publication Unit a project report and or dissertation/thesis in partial fulfilment of the diploma or higher diploma or bachelor degree or Postgraduate requirements.

c. **Dissertation/thesis** report shall be examined by supervisor and assessed by person other than a supervisor who shall mark and give a numerical value according to what stipulated in the DMI research **project and dissertation /thesis guidelines**

d. A student may submit to the Research, Consultancy and Publication manager a reasoned statement as to why any specified person should not be appointed supervisor of the Project and Dissertation/thesis.

e. A supervisor may require a student to answer any questions concerning the **project and dissertation /thesis** report orally or in writing.

f. Each supervisor shall make an independent report on the merits of the **project and dissertation /thesis** report. The report should include a specific recommendation on whether the **project and dissertation /thesis** report is of a sufficiently, satisfactory standard to be accepted in partial fulfilment of the Ordinary, Higher Diploma, Bachelor Degree and Postgraduate requirements.

g. The final grade for the **project and dissertation /thesis** shall be determined by the supervisor within the Institute normally with the concurrence of the other supervisor assessed by person other than a supervisor who shall mark and give a numerical value according to what stipulated in the DMI **project and dissertation /thesis guidelines**. In making the determination, each supervisor shall follow the assessment guidelines provided in the Institute Project guidelines.

h. In case where the internal examiner deems the external examiner report unsatisfactory, she/he may submit an appeal to the respective academic department requesting reexamination of the **project and dissertation/ thesis.**

5.3 Examination Room Procedure

i. Student should show identification card issued by the Institute to the invigilator as evidence.

ii. A person other than a student, an invigilator, supervisor or other authorized person may not enter an examination room.

iii. Students shall not enter the examination room until the invigilator gives them permission to do so.

iv. A student will be allowed to enter examination rooms 15 minutes before the examination begins. No student shall leave the examination room during the first 30 minutes or the last 30 minutes of the examination. In case of health reasons proof will be needed from a medical doctor and this should be communicated to the Dean of Students before the start of the examination. After 30 minutes, no student who was absent in the first thirty minutes will be allowed to enter into the examination room.

v. A student missing examination without compelling reason will lead to automatic discontinuation from studies. In case of any emergence during examination period consult the dean of students for guidance

vi. No student shall:

(a) Leave the examination room without permission from the invigilator and without submitting the papers upon which he/she

has been engaged.

(b) Any student who fails to comply with the provisions of sub-rule (a) above shall be regarded as having an incomplete result and shall be required to repeat the respective module.

vii. A student admitted to an examination room shall comply with the instructions of the invigilator.

viii. A student shall not, except with the explicit permission of the examiner as indicated in the examination paper, bring into the examination room any material whatsoever which conveys or is capable of conveying information concerning any module.

ix. A student having entered the examination room shall not communicate with any person other than the invigilator or an examiner.

x. A student shall comply with all written instructions regarding an examination.

xi. A student shall not cheat or attempt to cheat during an examination, or attempt to do anything intended to assist another student.

xii. A student shall not remove from the examination room any worked scripts or notes, or any material which is the property of the Institute. All papers for a particular examination shall be provided on the examination day. The student should not take used and unused question paper, answer booklet and any attachments provided during examination.

5.4 Registration for Modules

a. All students shall register modules in their respective Departments for the subsequent semesters within two weeks after the commencement of the semester.

b. A carry over or retake student shall register the modules to the Department offering the programme within two weeks after the commencement of the first semester

c. A student shall be examined in all modules registered for.

5.5 Absence from Examination

a. A student who absents himself/herself (unauthorized absence) from an examination without compelling reasons shall be discontinued from the Programme of study.

b. A student allowed to be absent (authorized absence) from the end of Semester examination shall sit for special examination for respective module(s), provided that the student has acquired Continuous assessment pass mark.

5.6 Dates and Duration of Examinations

i. Dates of examinations shall be indicated in the timetable.

ii. Duration for end of semester examinations shall be two hours for NTA

Level 4, two and half hours for NTA Levels 5-6 and three hours for NTA Levels 7 - 9.

5.7 Release of Examination Results

a. The examination result should pass through departmental meeting and being published as provisional examination results before being submitted to the academic committee.
b. The final examination results will be published after having been approved by the Academic Council.

c. The Institute may also use its own website and tools such as the electronic blackboard software to give notices on matters relating to examination results.

5.8 Nullification of Results

The Academic Council shall nullify the results and/or revoke the academic certificate if it is determined that;

(i) Unfair means, like cheating and other irregularities or any fraud, have been used in the examination.
(ii) Ineligible students sat for the examination.

5.9 Progress from Semester to Semester

(i) A student in NTA Level 4, 5, 6 shall be allowed to proceed to the next semester as a continuing student upon successfully passing all examination of the previous semester for the respective academic year.
(ii) A student in NTA level 7 exit year shall be allowed to proceed to the NTA level 8 as a continuing student upon successfully passing all examination of the previous semesters.
(iii) A student of NTA level 7 before exit year shall be allowed to carrying failed module(s).
(iv) A Student in NTA levels 4-8 getting an overall GPA less than 2.0 shall be discontinued from studies. A candidate in NTA Level 9 programme by coursework and dissertation, getting overall GPA less than 3 in the coursework shall be discontinued from studies.
(v) A student in NTA Level 4-8 attaining a GPA less than 2.0 after supplementary examinations shall be discontinued from studies.
(vi) A student in NTA Level 9 attaining a GPA less than 3.0 after supplementary examinations shall be discontinued from studies.
(vii) A student failing in a supplementary examination shall be required to carry over the respective module in the next academic year, but only once

for the NTA level 4-8 and should not be in the exit year; For NTA Level 9, the GPA attained after supplementary must be at least 3.0 to carry-over a module (s) failed after supplementary.

5.10 Postponement and Resumption of Studies

a. A student wishing to postpone studies shall submit written request supported by relevant documents for justification.

b. Permission for postponement of studies will be granted by the Rector in consultation with the parent or guardian.

c. The duration for postponement of studies shall be two consecutive semesters.

d. Upon resuming studies, a student must submit a written request, supported by relevant documents, at least one month before the commencement of the semester

5.11 Procedure for Calculating Grade Point Average (GPA**)**

In calculating the GPA, credits for all core and fundamental programmes shall be used as credits making the minimum required credits for the particular NTA programme.

5.12 Replacement of Lost Academic Certificates

The Institute may issue another copy in case of loss of the original certificate on condition that: -

a. The applicant produces a sworn affidavit;
b. The certificate so issued shall be marked "COPY", across it;
c. The applicant must produce evidence that the loss has been adequately publicly announced, including a written report from the Police;
d. A fee for the copy of the certificate issued shall be charged as prescribed by the Institute

5.13 Issue of Academic Transcript

The Institute may issue transcripts at a prescribed cost.

5.14 Weighing of Assessment Components

(i) The weighing of assessment components for programmes that contribute credits towards the awards are as follows:

a. For NTA Level 4-8

Semester Examination Component: 40%
Continuous Assessment Component: 60%

b. For Postgraduate Programmes (Course Work)

Semester Examination Component: 60%
Continuous Assessment Component: 40%

(ii) For each of the assessment components under (i) above, the weight given to the practical examination or practical continuous assessment component, where applicable, shall be proportional to the weight assigned to the practical element in the module being assessed.

(iii) At least 1/2 of the continuous assessment must be obtained for NTA Level 7 and 8 students to be allowed to sit for examination of the respective module. Whereas, 2/3 of the continuous assessment must be obtained for NTA Level 4, 5 and 6 students to be allowed to sit for examination of the respective module.

(iv) At least 1/4 of the semester examination of the respective module must be obtained; otherwise, a student should sit for supplementary examinations.

(v) A student who absents oneself from any continuous assessment test or fails to submit assignment(s) given during the programme work without compelling reasons shall not be awarded any mark (i.e., assessment item should be left blank).

(vi) Dates and duration of conducting continuous assessments shall be indicated by the respective Lecturer(s) or Instructor(s) in the module schedules.

5.15 Responsibilities of Students

(i) **General Responsibilities**

It is the responsibility of students to comply with the Programme and module requirements for attendance and for completion of assessment.

(ii) **Particular Responsibilities**

Students should note these responsibilities in particular:

a. Student's attendance should not be less than 75% of the total module hours.

b. Ensure that they are aware of examination dates and Course Work submission dates; and

c. Attend examinations and submit work for assessments as required.

5.16 Penalties for Late Submission of Assignments

Students who fail to submit assignments by the prescribed date without good cause shall be penalized as below:

(i) 1 day late: 5% of the possible total marks will deducted from the marks achieved by the student.

(ii) 2 to 9 days late 5% of the possible total marks will be deducted from the marks achieved by the student for every day on which the work remains un-submitted.

(iii) 10 days late or more: a mark zero will be recorded.

In these guidelines, "Days" means weekdays, but exclude weekends, vacations, Government holidays and other days when the Institute is closed.

5.17 Examination Eligibility

a) Students presenting themselves for written examinations must have complied fully with the Institute and Programme requirements regarding eligibility, including payment of fees.

b) A student presenting himself for written examinations shall have his/her Identity Card and examination number checked before the examinations commences.

c) Students not in possession of Students Identity Card and examination number will not be allowed to sit for examinations.

d) A student who fails to meet a minimum of 75% attendance shall be allowed to repeat a semester/year if he/she was absent on acceptable grounds. In the case of unacceptable grounds, he/she shall be discontinued from the programme.

e) Where non-attendance is due to reasons beyond the control of the student e.g. illness, the Rector may waive the minimum attendance requirement, if the student requests so. However, after the examination results no appeal shall be entertained on this ground.

f) For NTA level 7-8, a student shall be required to obtain at least 1/2 of the continuous assessment to sit for examination of the respective module.

g) For NTA level 4-6, a student shall be required to obtain at least 2/3 of the continuous assessment to sit for examination of the respective module.

5.18 Procedures for Appeal

Each student shall have a right to appeal against published results;

a) The appeals shall be lodged within 14 days from the date of releasing of the approved examination results by the Academic Council.

b) No appeal shall be considered unless it falls within the following reasons
   i. Unfair marking
   ii. Wrong computation

c) Appeals shall first be lodged to the Rector. The Rector shall appoint members who will constitute the academic appeal's committee. The students' organisation shall have a representative in the appeals committee.
d) A candidate who desires to appeal against examination results shall register his/her appeal using the prescribed forms in the register maintained by the department of examinations accompanied by receipt of a non-refundable appeal fee of Tshs. 50,000 (Fifty thousand) per subject or as may be prescribed by the Institute from time to time.

e) Appeal fee may be reviewed by the Dar es Salaam Maritime Institute from time to without prior notice to students.

f) Non-compliance with the prescribed procedures for lodging an appeal shall render the appeal inadmissible.

5.19 Power to alter the results

The Rector is empowered to alter the results:

a) To correct any patent error in totaling the marks;
b) To approve any change in grading indicated by a re-mark.

Where the outcome of an appeal under the provisions of Section 5.19 is a change in the grading of any component within a programme, the Rector may refer the result to the respective Academic Department for determination of the student's final result in the semester of the programme.

5.20 Student Health and Medical Verification

A student's offer of admission to the Institute shall be conditional upon the student being certified medically fit for study by a registered medical practitioner. Each student shall be required to maintain valid health insurance throughout the entire period of study.

All costs and expenses arising from medical examinations or any other medical services shall be borne solely by the student.

5.21 Immigration Formalities
Every foreign student is required to obtain a valid passport, valid visa or residence permit, study permit and other relevant documents. The Institute will assist registered students with valid travel documents to obtain study permits.

5.22 Academic Documents
Admission is strictly conditional upon verification of academic qualifications. Only original certificates and relevant documents shall be accepted for registration; failure to produce them shall prevent registration. Submission of false or forged documents constitutes a criminal offence and will be reported to the appropriate authorities

5.23 Accommodation

The Institute does not provide accommodation facilities to students. However, the Institute can provide advice or assistance to students in finding appropriate accommodation in the city. Accommodation costs will be borne by the students themselves.

5.24 Transport

Travel and transit subsistence allowances shall be borne by the student. The Institute shall not cover transport expenses to and from the Institute, nor shall it bear any transport costs related to travel to and from the Industrial Training site.

5.25 Fees
Students will not be register unless their fees have been paid at the beginning of the respective semester. Fees once paid are not refundable.

5.26 Property

Every student is legally obliged to handle the Institute's property with due care and shall be liable to repair, replace, or compensate for any loss or damage caused by their act.

The Institute shall not be liable for any loss of or damage to a student's property. Students are advised to safeguard their valuables at all times.

5.27 Students Organization
The Dar es Salaam Maritime Institute Students Organization (DAMISO) is the officially recognized organization representing all students at the Institute. The objectives of the organization are:

(i) To provide social, recreational and cultural coordination;
(ii) To voice the collective wishes of its members (students);
(iii) To negotiate with various authorities; and
(iv) To promote the educational welfare and interest of its members.

The organization is headed by an elected president whose term of office is normally one academic year. The official address for each student at the Institute shall be that of the Institute.

5.28 Dressing code

The students should wear according to their particular academic departments and professional ranks as follows:

(i) Science and Management Department

NTA students (NTA Level 4 -8) are required to wear black trouser/skirt with light blue shirt.

(ii) Marine Engineering Department

(a) NTA students (NTA Level 4 -8) are required to wear Black trouser/skirt with cadetship shirt (major shirt)

(b) Professional courses (CoC) required to wear Black trouser/skirt with white major shirt with "bar" according to his/her professional rank

(iii) Maritime Transport Department

(a) NTA students (NTA Level 4 -8) are required to wear Dark Blue trouser/skirt with cadetship shirt (major shirt)

(b) Professional courses (CoC) required to wear Dark Blue trouser/skirt with white major Shirt with "bar" according to his/her professional rank.

The prescribed dress code shall be worn on MONDAY, WEDNESDAY, FRIDAY and other official occasions as will be instructed by the Institute. Failure to comply with prescribed dress code shall constitute a discipline offence.

5.29 Discipline

All students admitted to this Institute are supposed to observe the Institute rules. Students who register for programmes conducted by the Institute shall abide with all lawful orders given by the Rector or any other officer to whom such power has been vested. Failure to observe or comply with lawful orders on the part of the student may lead him or her to disciplinary proceedings or summary dismissal.

5.30 Institute Rules

i. All students are required to conduct themselves in a sensible manner and with decorum. Undisciplined students may be suspended or required to withdraw from the programme of study.

ii. Drunkenness within the Institute compound is strictly prohibited. Any student found drunk disciplinary action will be taken.
iii. Attendance and punctuality to classes are highly demanded by the Institute administration. A student who arrives more than fifteen (15) minutes late will be marked "absent."
iv. During training, students must obey the country's laws. Offenders will face law enforcement, and the Institute will not secure their release.

v. Students are strictly prohibited from making telephone calls, texting, or chatting while classes are in session.

vi. Students are at all times required to appear smart and in decent manner and accepted dress code. Indecent dresses, wear of sandals (Kanda mbili), caps, and sunglasses are prohibited.
vii. Students wishing to return home to attend urgent family matters must obtain written permission from the Dean of Students through their respective Head of Department
viii. Taking meals, fruits, sodas or any types of food in classrooms except drinking water are strictly prohibited.
ix. It is prohibited to move any Institute property from its assigned locations.
x. Smoking is strictly prohibited on all Institute premises.

xi. Firearms, explosives or other dangerous weapons shall not be brought in the premises of the Institute except by express permission of the Institute Management.

xii. Any change of name shall not be allowed at any time during one's studentship at the Institute. A name once registered cannot be changed during the whole period of study (every student is supposed to have

sorted out any problems with their names before registration with the Institute).

xiii. Students' grievances shall be addressed through proper channels.

5.31 Academic Conduct

i. Students sitting for an examination or test shall comply with the instruction of the invigilator/supervisor.
ii. Students must show their respective identity card at any time when required by an authorized officer of the Institute. No student shall sit for examination or test without displaying his/her identity cards.
iii. Students must complete all the programme work as given, short of that one does not qualify to sit for semester examinations. All work shall be presented to the respective lecturer within schedule otherwise one must provide evidence of the good reason(s) as to why did not present his/her work.
iv. Students must complete and submit all programme work on time; failure to do so will disqualify them from sitting for semester examinations
v. All students shall carry their Identity cards while on the Institute premises and on training missions outside the Institute.
vi. Students are at all times required to appear smart and in decent
vii. All students shall abide by all the Institute's rules and regulations short of that disciplinary action shall be taken by the Institute.

5.32 Industrial Training

As a requirement, every student pursuing a Basic Technician Certificate, Technician Certificate, or Bachelor's Degree in the Science and Management, Marine Engineering, or Maritime Transport departments must undergo eight weeks of Industrial Practical Training (IPT). The IPT is designed to provide students with professional exposure and opportunities to apply theoretical knowledge in real-world work settings.

Students at NTA Levels 4 and 5 undertake Industrial Practical Training (IPT) after the second semester of their academic year. Bachelor's Degree students (NTA Level 7) undertake IPT after the second, fourth, and sixth semesters. Students at NTA Levels 6 and 8 do not undertake IPT, as their focus is on research work.

5.33 Industrial Training Conduct

i. During industrial training, students are bound by the Institute's Student Code of Conduct as well as the rules of the training site. Students are required to maintain 100% attendance, and the training shall take place at a location allocated by the Institute.

ii. Attendance during the industrial training period is compulsory. Students must report to the training site as scheduled. Any absence must be communicated in advance, with valid reasons supported by written documentation.

iii. Students must maintain professional behavior at all times, including respect toward colleagues, supervisors, and other staff. Disruptive behavior, harassment, or misconduct will not be tolerated.

Each student shall comply with the industrial training conduct. Failure to do so will result in disciplinary action.

CHAPTER 6: PAYMENT OF FEES AND STUDY CONDITIONS

6.1 Fee Payments

The fees per academic year/programme should be paid in full for a student to study the respective programme. A student must pay the required fees in full or by two instalments before commencement of any semester. Other fees (administrative) are paid once per full course duration at the commencement of any academic programme.

Fees shall be payable to DAR ES SALAAM MARITIME INSTITUTE through control number generated from the system.

Tuition Fee Structure for NTA Levels 4 & 5 for Academic year 2025/2026 (Per student per year)

S/N.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZS)	East African (TZS)	Non-East Africans (TZS)
1.	Maritime Transport	Basic Technician Certificate in Marine Operations (BTCMO)	1	1,430,000	2,561,000	3,152,000
		Technician Certificate in Marine Transport and Nautical Science (TCMTNS)	1	1,540,000	2,758,000	3,152,000
2.	Marine Engineering	Basic Technician Certificate in Mechanical and Marine Engineering (BTCMME)	1	1,430,000	2,561,000	3,152,000
		Basic Technician Certificate in Oil and Gas Engineering (BTCOGE)	1	1,430,000	2,561,000	3,152,000
		Basic Technician Certificate in Naval Architecture and Offshore Engineering (BTCNAOE)	1	1,430,000	2,561,000	3,152,000
		Basic Technician Certificate in Marine Welding and Fabrication (BTCMWF)	1	1,430,000	2,561,000	3,152,000

S/N.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZS)	East African (TZS)	Non-East Africans (TZS)
		Technician Certificate in Marine Engineering (TCME)	1	1,540,000	2,758,000	4,412,000
		Technician Certificate in Mechanical and Marine Engineering (TCMME)	1	1,540,000	2,758,000	4,412,000
		Technician Certificate in Oil and Gas Engineering (TCOGE)	1	1,540,000	2,758,000	4,412,000
		Technician Certificate in Naval Architecture and Offshore Engineering TCNAOE)	1	1,540,000	2,758,000	4,412,000
		Technician Certificate in Marine Welding and Fabrication (TCMWF)	1	1,540,000	2,758,000	4,412,000
3.	Science and Management	Basic Technician Certificate in Shipping and Logistics Management (BTCSLM)	1	1,100,000	1,970,000	3,152,000
		Basic Technician Certificate in Procurement, Logistics and Supply Chain Management (BTCPLSM)	1	1,100,000	1,970,000	3,152,000
		Basic Technician Certificate in Transport and Supply Chain Management (BTCTSM)	1	1,100,000	1,970,000	3,152,000
		Basic Technician Certificate in Cargo Tallying and Supply Chain Management (BTCCTSM)	1	1,100,000	1,970,000	3,152,000
		Technician Certificate in Shipping and Logistics Management	1	1,276,000	2,285,000	3,656,000

S/N.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZS)	East African (TZS)	Non-East Africans (TZS)
		(TCSLM)				
		Technician Certificate in Procurement, Logistics and Supply Chain Management (TCPLSM)	1	1,276,000	2,285,000	3,656,000
		Technician Certificate in Transport and Supply Chain Management (TCTSM)	1	1,276,000	2,285,000	3,656,000

ADMINISTRATIVE COST (PAYABLE ONCE AT THE BEGINNING OF THE ACADEMIC YEAR)

S/N	COST ITEM	LOCAL (TZ)	EAST AFRICAN & NON-EAST AFRICAN (TZS)
1.	Registration Fee	45,000	118,000
2.	Examination Fee	70,000	184,000
3.	Student ID	15,000	39,000
4.	DAMISO	10,000	26,000
5.	Graduation (for graduating class)	40,000	66,000

Other Costs Payable Direct to NTA Levels 4 & 5 Student

S/N	Item	Number of Days per Year	Costs in Tsh.
1.	Accommodation allowance	252	15,000 /= per Day

2.	Food Allowance		900,000/= per semester
3.	Books and Stationary		350,000/= per Year
4.	Field Allowance (56 days)		15,000 /= per Day
5.	Project work Allowance		100,000/=
6.	Sea Service Allowance		700,000/=
7.	Health Insurance		50,400

Tuition **Fee Structure for NTA Level 6 for Academic year 2025/2026 (Per student per year)**

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZ)	East African (TZS)	Non-East Africans (TZS)
1.	Maritime Transport	Ordinary Diploma in Marine Transport and Nautical Science (ODMTNS)	1	1,650,000	2,955,000	4,727,000
2.	Marine Engineering	Ordinary Diploma in Marine Engineering (ODME)	1	1,650,000	2,955,000	4,727,000
		Ordinary Diploma in Oil and Gas Engineering (ODOGE)	1	1,650,000	2,955,000	4,727,000
		Ordinary Diploma in Naval Architecture and Offshore Engineering (ODNAOE)	1	1,650,000	2,955,000	4,727,000
		Ordinary Diploma in Marine Welding and Fabrication (ODMWF)	1	1,650,000	2,955,000	4,727,000
		Ordinary Diploma in Mechanical and Marine Engineering (ODMME)	1	1,650,000	2,955,000	4,727,000

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZ)	East African (TZS)	Non-East Africans (TZS)
3.	Science and Management	Ordinary Diploma in Shipping and Logistics Management (ODSLM)	1	1,386,000	2,482,000	3,971,000
		Ordinary Diploma in Transport and Supply Chain Management (ODTSM)	1	1,386,000	2,482,000	3,971,000
		Ordinary Diploma in Procurement, Logistics and Supply Chain Management (ODPLSM)	1	1,386,000	2,482,000	3,971,000

ADMINISTRATIVE COST (PAYABLE ONCE AT THE BEGINNING OF THE ACADEMIC YEAR)

S/N	COST ITEM	LOCAL (TZ)	EAST AFRICAN & NON-EAST AFRICAN (TZS)
1.	Registration Fee	45,000	118,000
2.	Examination Fee	70,000	184,000
3.	Student ID	15,000	39,000
4.	DAMISO	10,000	26,000
5.	Graduation (for graduating class)	40,000	66,000

Other Costs Payable Direct to NTA Levels 6 Student

S/No.	Item	Number of Days per Year	Costs in Tsh.
1.	Accommodation allowance	252	15,000 /= per Day

2.	Food Allowance		900,000/= per semester
3.	Books and Stationary		350,000/= per Year
4.	Field Allowance (56 days)		15,000 /= per Day
5.	Project work Allowance		100,000/=
6.	Sea Service Allowance		700,000/=
7.	Health Insurance		50,400

Fee Structure for NTA Levels 7 & 8 for Academic year 2025/2026 (Per student per year)

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZS)	East African (TZS)	Non-East Africans (TZS)
1.	Maritime and Transport	**Bachelor Degree in:** Maritime Transport and Nautical Science	1	1,540,000	2,758,000	4,412,000
			2	1,540,000	2,758,000	4,412,000
			3	1,540,000	2,758,000	4,412,000
			4	1,606,000	2,876,000	4,601,000
2.	Marine Engineering	**Bachelor Degree in:** • Marine Engineering Technology • Mechanical and Marine Engineering • Naval Architecture and Offshore Engineering • Mechatronics Engineering • Oil and Gas Engineering	1	1,595,000	2,857,000	4,570,000
			2	1,595,000	2,857,000	4,570,000
			3	1,595,000	2,857,000	4,570,000
			4	1,650,000	2,857,000	4,570,000

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZS)	East African (TZS)	Non-East Africans (TZS)
3.	Science and Management	**Bachelor Degree in:**	1	1,540,000	2,758,000	4,412,000
		• Shipping and Logistics Management	2	1,540,000	2,758,000	4,412,000
		• Procurement, Logistics and Supply Chain Management • Transport and Supply Chain Management	3	1,650,000	2,758,000	4,412,000

ADMINISTRATIVE COST (PAYABLE ONCE AT THE BEGINNING OF THE ACADEMIC YEAR)

S/N	COST ITEM	LOCAL (TZ)	EAST AFRICAN & NON-EAST AFRICAN (TZS)
1.	Registration Fee	45,000	118,000
2.	Examination Fee	70,000	184,000
3.	Student ID	15,000	39,000
4.	DAMISO	10,000	26,000
5.	Graduation (for graduating class)	40,000	66,000

Other Costs Payable Direct to NTA Level 7& 8 Student

S/No.	Item	Number of Days per Year	Costs in Tsh.
1.	Meals and Accommodation allowance	252	15,000 per Day
2.	Books and Stationary		250,000 per Year
3.	Industrial Training (56 days)		15,000/= per day
4.	Special Faculty Requirement		350,000 for year 1 &2
5.	Project Work Allowance (3rd year or 4th)		2,000,000-year 2
6.	Health Insurance		50,400

Tuition Fee Structure for NTA Level 9 for Academic year 2025/2026 (Per student per year)

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZ)	East African (TZS)	Non-East Africans (TZS)
1.	Maritime and Transport	Master Degree in: a) International Trade and Maritime Law (MITML) b) Maritime Transport Management and Nautical Science (MMTNS) c) Maritime Safety, Security and Environment Management (MMSSEM)	1	2,315,000	3,940,000	3,940,000
			2	2,200,000	2,364,000	2,364,000
2.	Marine Engineering	Master Degree in Marine Engineering Management (MMEM)	1	2,315,000	3,940,000	3,940,000
			2	2,200,000	2,364,000	2,364,000
3.			1	2,315,000	3,940,000	3,940,000

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZ)	East African (TZS)	Non-East Africans (TZS)
	Science and Management	a) Master Degree in Shipping Economics and Logistics (MSEL) b) Master Degree in Transport and Supply Chain Management (MTSM	2	2,200,000	2,364,000	2,364,000

ADMINISTRATIVE COST (PAYABLE ONCE AT THE BEGINNING OF THE ACADEMIC YEAR)

S/No.	COST ITEM	LOCAL (TZ)	EAST AFRICAN & NON-EAST AFRICAN (TZS)
1.	Registration Fee	45,000	118,000
2.	Examination Fee	70,000	184,000
3.	Student ID	15,000	39,000
4.	DAMISO	10,000	26,000
5.	Graduation (for graduating class)	40,000	66,000
6.	Dissertation	500,000	1,313,000

Other Costs Payable Direct to Student

S/No.	Item	Number of Days per Year	Costs in Tsh.
1.	Meals and Accommodation allowance	252	15,000 per Day
2.	Books and Stationary		250,000 per Year
3.	Special Faculty Requirement		350,000 for year 1 &2
4.	Dissertation		2,000,000-year 2
5.	Health Insurance		50,400

Tuition Fee Structure for Certificate of Competency for Academic year 2025/2026 (Per student per year)

S/N	Department	Programme	Tuition Fees per Year (TZS)		
			Local (TZS)	East African (TZS)	Non-East Africans (TZS)
1.	Maritime Transport	Master and Chief Mate	2,420,000	4,333,000	6,934,000
		Master and Chief Mate between 500 & 3000 GT	2,079,000	3,724,000	5,957,000
		Officer in Charge of Navigational Watch	2,200,000	3,940,000	6,303,000
		Master on Ships less than 500GT	1,144,000	2,049,000	3,278,000
		Officer in Charge of Navigational Watch Near Coastal less than 500 GT	935,000.00	1,676,000	2,679,000
2.	Marine Engineering	Chief and Second Engineer Officer	2,420,000	4,333,000	6,934,000
		Officer in Charge of Engineering Watch	2,200,000	3,940,000	6,303,000
		Chief Engineer Officer and Second Engineer Officer on Ships between 750kW and 3000kW	849,750	1,521,000	2,435,000

S/N	Department	Programme	Tuition Fees per Year (TZS)		
			Local (TZS)	East African (TZS)	Non-East Africans (TZS)
		Officer in Charge of an Engineering Watch on Ships less than 750kW	935,000	1,676,000	2,679,000
		Electro-Technical Officer	1,826,000	3,270,000	5,232,000

ADMINISTRATIVE COST (PAYABLE ONCE AT THE BEGINNING OF THE ACADEMIC YEAR)

S/N	COST ITEM	LOCAL (TZ)	EAST AFRICAN & NON-EAST AFRICAN (TZS)
6.	Registration Fee	45,000	118,000
7.	Examination Fee	70,000	184,000
8.	Student ID	15,000	39,000
9.	DAMISO	10,000	26,000
10.	Graduation (for graduating class)	40,000	66,000

Other Costs Payable Direct to Certificate of Competency Student

S/No.	Item	Number of Days per Year	Costs in Tsh.
1.	Meals and Accommodation allowance	252	15,000 per Day
2.	Books and Stationery		250,000 per Year
3.	Special Faculty Requirement		350,000 for year 1 &2
4.	Health Insurance		2,000,000-year 2
			50,400

CHAPTER 7: INSTITUTE ALMANACS FOR 2025/2026

7.1 ALMANAC FOR NTA LEVEL 4-9 FOR THE ACADEMIC YEAR 2025/2026

S/No.	DATE	EVENT
1.	17th – 21st November, 2025	Registration and Orientation Week for New Students (NTA LEVEL 4–9)
2.	17th November, 2025	Transfer window opens for newly admitted applicants for NTA Level 7
3.	24th November, 2025	First Semester for new and continuing NTA Level 4–9 students Begins
4.	24th November, 2025	Submission of Research Concept Note for 2nd year NTA level 9 Students
5.	25th November, 2025	Academic Assembly Meeting
6.	24th November, 2025	Deadline of Transfer window for NTA Level 7
7.	10th December, 2025	Convocation
8.	12th December, 2025	Graduation Ceremony
9.	12th December, 2025	End of students' Registration for the Academic Year 2025/2026
10.	12th December, 2025	Deadline of Transfer window for NTA Level 4
11.	5th – 9th January, 202	Test I for NTA Level 4–8 students
12.	19th – 23rd January, 2026	Uploading Test, I and Assignment I results of NTA Level 4–8
13.	31st December,2025	Deadline for submission of Students enrolment data 2025/2026 to TCU
14.	9th – 13th February, 2026	Test II for NTA level 4–8 students
15.	9th – 13th February, 2026	Setting of first semester examinations for NTA Level 4–9
16.	16th – 20th February, 2026	Uploading Tests and Assignments results of NTA Level 4–8
17.	16th – 20th February, 2026	Internal Moderation of NTA Level 4–9 Examinations
18.	23rd February, 2026	Release of 1st Semester Examination Timetable for NTA level 4–9
19.	23rd – 27th February, 2026	External Moderation of NTA Level 4–9 Examinations
20.	25th February, 2026	Students General Assembly
21.	2nd – 6th March 2026	Bachelor Degree Research Proposal Presentation

S/No.	DATE	EVENT
22.	9th – 20th March, 2026	First Semester Examination session for NTA Level 4–9
23.	23rd – 27th March, 2026	Marking and Uploading 1st Semester Examination Results for NTA Level 4–9
24.	23rd March – 5th April, 2026	Recess for NTA Level 4–9
25.	30th March – 1st April, 2026	Departmental meetings to review 1st Semester Examination Results and Publish provisional results for NTA Level 4–9 Examinations
26.	6th April, 2026	Commencement of 2nd semester for NTA level 4–9
27.	9th April, 2026	Academic Assembly Meeting
28.	13th – 14th April, 2026	Academic Committee Meeting
29.	16th April, 2026	Academic Council meeting
30.	23rd March – 22nd May,2026	Uploading Semester I Examination Results in the NACTVET Database (2025/2026) and Submission of Hardcopy of the Results to NACTVET
31.	17th April, 2026	Submission of documents and attachments for Proposal Presentation for 2nd year NTA Level 9 students
32.	22nd April, 2026	Proposal defense for 2nd year NTA Level 9 students
33.	27th April – 8th May 2026	Addressing the comments from the panelist
34.	7th May 2026	Public lecture on data analysis and paper writing for NTA Level 9
35.	11th May, 2026	Commencement of Data Collection and analysis for NTA Level 9
36.	11th – 15th May, 2026	Test I for NTA level 4–8
37.	28th May 2026	Opening of Students Admission Window for the Academic year 2026/2027
38.	18th – 22nd May, 2026	Uploading Test, I and Assignment I results of NTA Level 4–8
39.	19th June 2026	End of Data collection and analysis for NTA level 9
40.	22nd – 26th June, 2026	Test II for NTA level 4–8
41.	22nd – 26th June, 2026	Setting of Second semester examinations for NTA Level 4–9

S/No.	DATE	EVENT
42.	29th June – 3rd July 2026	Uploading Test II and Assignment II results of NTA Level 4–8
43.	29th June – 3rd July 2026	Internal Moderation of NTA Level 4–9 Examinations
44.	1st July – 30th September, 2026	Uploading Semester II Examination Results in the NACTVET Database (2025/2026) and Submission of Hardcopy of the Results to NACTVET
45.	6th – 10th July 2026	External Moderation of NTA Level 4–9 Examinations
46.	6th July, 2026	Release of 2nd Semester Examination Timetable
47.	8th – 9th July 2026	Pre defense of Master degree students
48.	13th – 24th July 2026	Working on Pre defense comments
49.	20th – 31st July, 2026	Second Semester Examination session for NTA Level 4–9
50.	3rd – 5th August, 2026	Research Presentation for NTA level 8
51.	3rd – 14th August 2026	External Assessment of NTA Level 9 Research Dissertations
52.	3rd August – 25th September, 2026	Industrial Practical Training (IPT)
53.	6th August – 14th August, 2026	Marking and Uploading 2nd Semester Examination Results for NTA Level 4–9
54.	17th – 18th August, 2026	Departmental meetings to review 2nd Semester Examination Results and Publish provisional results for NTA Level 4–9 Examinations
55.	17th – 28th August 2026	Working on external comments for NTA level 9
56.	24th – 25th August, 2026	Academic Committee Meeting
57.	26th August, 2026	2nd Semester Examination Results Preparation and Compilation
58.	27th August, 2026	Academic Council meeting
59.	16th – 17th September, 2026	Viva Voce Presentations for NTA level 9
60.	21st September– 2nd October, 2026	Working on the comments from Viva Voce presentations
61.	28th September – 09th October, 2026	Special/Supplementary Examinations for NTA level 4–9
62.	12th – 16th October, 2026	NTA level 4–9 Marking and Uploading Special/ Supplementary Examination Results for 2025/2026
63.	19th – 20th October, 2026	Departmental meetings to review Special/Supplementary Examination Results and

S/No.	DATE	EVENT
		Publish provisional results for NTA Level 4–9 Examinations
64.	26th – 27th October, 2026	Academic Committee Meeting
65.	28th October, 2026	Special/ Supplementary Examination Results Preparation and Compilation
66.	29th October, 2026	Extra Ordinary Academic Council meeting

7.2 **ALMANAC FOR COC COURSES FOR THE ACADEMIC YEAR 2025/2026**

NA	DATE	EVENT
1.	28th May – 30th September, 2025	Application window for CoC.
2.	10th October, 2025	Submission of selected CoC Applicants to TASAC for eligibility approval.
3.	17th – 21st November, 2025	Registration and Orientation
4.	24th November, 2025	Commencement of 1st Semester for All CoC Courses.
5.	26th –30th January, 2026	Setting of 1st Semester Examination papers for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT & ETO for the academic year 2025/2026
6.	2nd – 6th February, 2026	Internal Moderation 1st Semester Examination for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT ETO
7.	16th February, 2026	Submission of 1st Semester Examination papers to TASAC for moderation for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT & ETO
8.	16th March, 2026	Release of Examination Timetable for MASTER/CHIEF MATE, CHIEF ENGINEER OFFICER/ SECOND ENGINEER OFFICER, OOEW>750KW, OONW>500GT & ETO
9.	16th – 20th March, 2026	Setting of Semester Examination papers for OONW<500GT/ OOEW<750kW for the academic year 2025/2026
10.	23rd – 27th March, 2026	Internal Moderation of examinations for OONW<500GT/ OOEW<750Kw

NA	DATE	EVENT
11.	30th March–10th April, 2026	1st Semester Examination session for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT & ETO
12.	9th April, 2026	Submission of Semester Examination papers for OONW<500GT/ OOEW<750kW to TASAC for moderation
13.	13th –17th April, 2026	Recess for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT & ETO
14.	13th –17th April, 2026	Marking Session for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT & ETO
15.	21st April, 2026	Submission of Marked Scripts to TASAC for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT & ETO
16.	20th April, 2026	Commencement of 2nd Semester for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT & ETO.
17.	11th – 22nd May, 2026	Examination session for OONW<500GT/ OOEW<750kW
18.	25th – 29th May, 2026	Marking Session for OONW<500GT/ OOEW<750kW
19.	5th June, 2026	Submission of Marked Scripts for OONW<500GT/ OOEW<750kW to TASAC

NA	DATE	EVENT
20.	22nd – 26th June, 2026	Setting of 2nd Semester Examination papers for (Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT & ETO) of the academic year 2025/2026
21.	29th June –3rd July, 2026	Internal Moderation of 2nd Semester examinations for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT ETO
22.	13th July, 2026	Submission of 1st Semester Examination papers to TASAC for moderation
23.	10th August, 2026	Release of 2nd Semester Examination Timetable for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO
24.	24th August – 4th September, 2026	2nd Semester Examination session for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO
25.	7th – 11th September, 2026	Marking Session for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT & ETO
26.	18th September, 2026	Submission of Marked Scripts to TASAC

KEY:

1. OONW<500GT: Officer In-charge of a Navigational Watch on Ships Of Less Than 500GT
2. OOEW<750kW : Officer In-charge of an Engineering Watch on ships powered by Main propulsion of less than 750kW
3. OOEW>750kW : Officer In Charge of an Engineering Watch on Ships Powered by Main Propulsion Machinery of More than 750 kW
4. OONW>500GT: Officer in Charge of a Navigational Watch on Ships of 500GT Or MORE
5. ETO : Electro-technical Officer
6. Cord-ME: Coordinator of Marine Engineering Department
7. Cord-MT: Coordinator of Maritime Transport Department