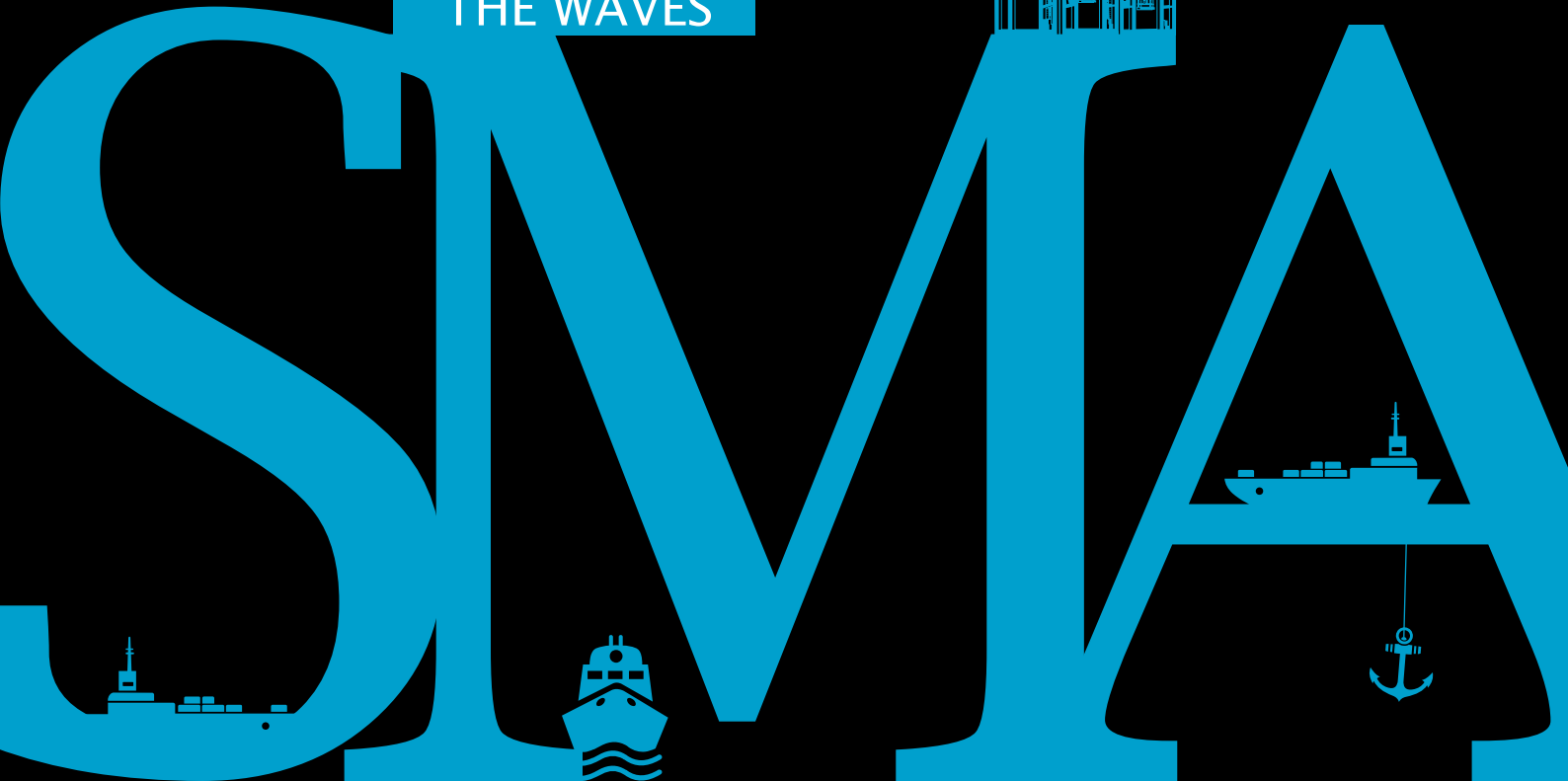
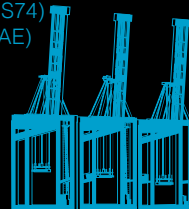


SP | SINGAPORE
MARITIME
ACADEMY

**RIDE
THE WAVES**

- Marine Engineering (S63)
- Maritime Business (S74)
- Nautical Studies (DAE)



RIDE THE WAVES

Without maritime, half the world would starve and the other half would freeze! The future in the maritime industry is dynamic with international opportunities. You get the BEST of both worlds – option to work at sea or ashore.



Why SMA?

The Singapore Maritime Academy (SMA) is the only maritime training institution in Singapore. It offers a comprehensive range of programmes at diploma level. It also offers the entire range of professional maritime courses at the Certificate of Competency level.

The Academy offers various SMA-MaritimeONE scholarships valued between \$10,000 to \$38,000 through the Singapore Maritime Foundation for you to pursue the full-time diploma programmes and degree courses at the Nanyang Technological University, Newcastle University (through the Singapore Institute of Technology) or overseas at the University of Plymouth (UK), Maritime Institute Willem Barentsz (Netherlands) and Chung Ang University (Korea).

At SMA, you will learn in a state-of-the-art Maritime Simulation Centre and advanced labs. There's also a Marina for you to experience hands-on training in seamanship and survival skills.

A highlight of our courses is the Maritime Experiential Learning (MEL) Camp, a floating campus experience in collaboration with Star Cruises. Sail onboard the SS Pallada, the world's tallest ship at 365 feet to learn practical navigation and traditional sailing skills.



Download the free Tag Reader app onto your smartphone and scan this code for more details on SMA diploma courses.



Diploma in arine Engineering (DMR – S63)

The Diploma in Marine Engineering (DMR) course encompasses various engineering disciplines (mechanical engineering, electrical and electronic engineering, engineering design and control technology) required to make a ship an independent power plant.

Besides lectures and laboratory work, you will be exposed to advanced ship engineering system simulators and various training software. Our machinery workshops are equipped to train students for operational competences they would require in the workplace, be it onboard a ship or a shore-based establishment.

You will have the special opportunity to choose between a sea-going or shore-based route during your second year.

Scholarships available

- Tripartite Maritime Scholarship Scheme (TMSS)
- Seafaring Alternative - An Investment for Life (SAIL)
- Association of Marine Industries (ASMI)

Our uSPs

- The programme covers **multi-disciplinary** studies of engineering technology.
- Comprehensive learning experience through **hands-on training**, enrichment talks, ship visits and industry exposure.
- DMR graduates get the **best of both worlds** – the opportunity to opt for either the Shipboard Operation option or Offshore Technology option.

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3rd relevant subjects:	1 - 6
• Biology	
• Chemistry	
• Design & Technology	
• Fundamentals of Electronics	
• Physics	
• Science (Chemistry, Biology)	
• Science (Physics, Biology)	
• Science (Physics, Chemistry)	

Applicants must not suffer from colour appreciation deficiency.



DM Course Modules

DMR is a three-year full-time programme that includes a six-week Industrial Training Programme with an approved establishment.

FIRST YEAR

- Applied Mechanics
- Basic Mathematics
- Basic Safety Training
- Basic Thermodynamics
- Electric Circuits
- Engineering Drawing
- Marine Engineering Knowledge 1
- Programming and Software Applications
- Workshop Practice 1
- Workshop Practice 2
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Applied Thermodynamics
- Computer-Aided Drafting
- Electronics
- Engineering Mathematics 1
- Engineering Mechanics
- Instrumentation
- Integrated Workshop Practice
- Marine Engineering Knowledge 2
- Naval Architecture 1
- Tanker Familiarisation
- Industrial Training Programme
- Communication Skills for Work
- Independent Study Project and Presentation
- Social Innovation Project

THIRD YEAR

- Advanced Marine Engineering Simulation
- Auxiliary Machinery
- Electric Machines & Systems
- Engineering Design
- Engineering Mathematics 2
- IC Engines & Boilers
- Integrated Control
- Marine Workshop Practice
- Marine Dynamics and Hydrodynamics
- Naval Architecture 2
- Offshore Technology
- Programmable Logic Controllers
- Project Work
- Shipboard Drawings
- Software Application for Naval Architecture

Bright Future

DMR is one of the most versatile programmes and it offers you career flexibility. You can apply your knowledge to a wide-ranging field of engineering technologies.

Our graduates are trained to be marine engineers on ships, project engineers in our world-class shipyards, engineers in the offshore oil and gas industry, and in various non-maritime industries, as well as in sales and service positions in engineering companies.

Age	Sea Salary	Your Future
20		Diploma in Marine Engineering → Shore Job • Marine Industry • Service industry • Oil Industry ↓ Sea Training
22+	S\$3,000++	Junior Engineer → Further Studies ↓ 18 months Sea Training
26	S\$7,500++	Second Engineer → Shore Job • Middle Management • Marine Industry • Service Industry • Oil Industry ↓ Internationally recognised Professional Qualification ↓ 18 months Sea Training
29	S\$10,000++	Chief Engineer

++ Tax free income plus paid leave



“I’ve always wanted to maximise my potential to be an engineer with skills and be capable of logical and creative thinking. The DMR course is training me to be one. My dream is to be an engineer onboard a foreign-going ship.”

– Francis Foo, 3rd year DMR Student

Further Studies

You can gain direct entry into related engineering degree programmes in NUS, NTU and overseas universities or pursue a BEng (Hons) in Naval Architecture, Marine Engineering or Offshore Engineering offered by Newcastle University through the Singapore Institute of Technology (SIT).

DMR graduates can also opt to pursue a Degree in Maritime Operations offered by the Maritime Institute Willem Barentsz of The Netherlands, while at sea.



Diploma in Maritime Business (DMB – S74)

If you are looking for a challenging and rewarding career in the maritime industry without having to go to sea, take the Diploma in Maritime Business (DMB).

As the world's busiest seaport and one of the world's largest container ports, there is a continuous demand for maritime and logistics-related organisations involved in a wide range of shipping business activities in Singapore. Graduates from DMB will fill this manpower gap.

Our uSPs

The course is **practice-oriented** – linking theory and practice through hands-on training, case studies and field visits. The DMB is an **extensive programme** that prepares you to be versatile, enabling you to gain employment in various sectors within the maritime industry. You will experience a **six-month shore-based industrial attachment** during the second year which provides first-hand experience of working in maritime-related organisations in Singapore.

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) Any two other subjects	1 - 6

Note:

To be eligible for admission, you must also have sat for one of the following subjects:

- Biology
- Chemistry
- Computer Studies
- Creative 3D Animation
- Design & Technology
- Food & Nutrition
- Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)



Course Modules

DMB is a three-year full-time programme and includes a six-month Internship Programme with an approved establishment.

FIRST YEAR

- Bunkering Practices
- Effective Communication
- Financial Accounting in Shipping
- Fundamentals of Commercial Shipping
- IT for Shipping Business
- Logistics Management
- Maritime Economics
- Marine Engineering Knowledge
- Maritime Personnel Management
- Port Operations
- Ship Operations
- Statistics for Shipping Business I
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Communication Skills for Work
- Financial Management in Shipping
- Law of Carriage of Goods by Sea
- Port Agency
- Port Management
- Statistics for Shipping Business II
- Internship Programme (six-months)
- Social Innovation Project

THIRD YEAR

- Electronic Commerce
- HSSE Management
- Marine Insurance
- Maritime Offshore Operations
- Marketing of Shipping Services
- Maritime Law
- Project
- Ship Broking and Chartering
- Supply Chain Management
- Ship Management
- Teamwork & Communication Skills

Bright Future

With this diploma, you are ready for a variety of career options and opportunities in companies from shipping and logistics sector such as ship management, logistics, ship owning, ship brokering, ship agency, freight forwarding, marine insurance firms and also the Maritime and Port Authority of Singapore.

Further Studies

You can gain direct entry into relevant BSc (Hons) programmes in Shipping Management, Maritime Business and Logistics conducted by reputable tertiary institutions from Australia, United Kingdom and the United States. Pursue business programmes at NUS or NTU or a maritime-related degree programme offered by the Maritime Institute Willem Barentsz (Netherlands).

With our strong collaboration with foreign universities, you can gain direct entry into the maritime programme offered by the University of Plymouth (UK). Graduates who obtain more than 3.0 GPA may gain direct entry into the third year of its maritime degree programme; or direct entry into the third-year of a four-year programme at Chung Ang University in Korea.



Believe

“The lecturers are inspirational. They bring to the classroom many sea-going experiences from all over the world. Their experiences and stories are priceless and opened my eyes to look beyond my horizon.”

– Rugdella Rugdee, Class of 2011 from DMTM (now revamped as DMB), currently working at Simpson Marine (SEA) Pte Ltd



Diploma in autical Studies (DNS)

Offered under Direct Admissions Exercise

“We all know that about 90% of the world trade is carried by the international shipping industry. Without shipping, half the world would starve and the other half would freeze!” said Mr Koji Sekimiza, International Maritime Organisation.

The job prospects are wonderful for self-motivated, independent and adventurous young people who love a sea career. It's a direct fast track to becoming a ship's captain.

Entry Requirements

Aggregate Type: ELR2B2-C

Our uSPs

The DNS is a **double award** programme. Besides getting a diploma, you will also be awarded the internationally recognised professional Class 3 Certificate of Competency (CoC) qualification that allows you to sail as a certified sea-going officer worldwide. It is an **extensive programme** that prepares you to be versatile, equipped with competencies to sail in any type of ship of any size worldwide. Go on a **12-month sea training** during the second phase training that gives you first-hand experience in working onboard a vessel, and be rewarded with **attractive salaries** and **great career advancement** prospects. A junior officer's salary starts at \$3,000.



Scholarships available

- Tripartite Maritime Scholarship Scheme (TMSS)
- Seafaring Alternative... An Investment for Life (SAIL)
- Students sit through a selection interview where shipping companies offer suitable students attractive sponsorship packages.

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) Any two other subjects	1 - 6

Note:

To be eligible for admission, you must also have sat for one of the following subjects:

- Biology
- Chemistry
- Computer Studies
- Creative 3D Animation
- Design & Technology
- Food & Nutrition
- Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

Applicants must ensure that they have good eyesight (i.e. visual acuity unaided of 6/60 in both eyes and with visual aids of 6/6 in the better eye and at least 6/9 in the other eye).

Applicants must also not suffer from colour appreciation deficiency. Applicants must show proof of having passed the Maritime and Port Authority of Singapore (MPA) Sight Test which is conducted at the Singapore Polytechnic Optometry Centre or by General Practitioners.

M Course Modules

DNS is a three-year training programme, comprising three phases, which includes a 12-month sea service with an approved shipping company and an internationally recognised professional Class 3 CoC qualification exam.

PHASE ONE

Phase 1A

- Basic Safety Training
- Communication Skills for Work
- Elementary Ship Knowledge
- Introduction to Navigation
- Science 1
- Software Applications

- Critical Reasoning and Argumentation

Phase 1B

- Introduction to Marine Offshore Operations
- Mathematics 1

- Meteorology
- Principles of Navigation
- Ship Knowledge
- Watchkeeping & Instruments
- Critical Reasoning and Persuasion

PHASE TWO

Phase 2

During this phase, candidates undergo shipboard training with a SCTW approved Training & Assessment Record Book and follow a distance learning programme. Candidates are required to complete a total of 12 months sea service to enrol for the Diploma in Nautical Studies Phase 3 and for the Class 3 Certificate of Competency examination.

PHASE THREE

Phase 3A

- Advanced Fire-Fighting
- Dynamic Positioning
- Electronic Navigation Systems
- Maritime Communications
- Tanker Familiarisation

Phase 3B

- Applied Science
- Coastal Navigation
- General Ship Knowledge
- Mathematics 2

- Practical Navigation
- Ship Operations
- Social Innovation Project

Bright Future

There are plenty of exciting career options and opportunities. You can start off as a Junior Navigating officer and progress to become a Ship Captain or Manager ashore. You will lay your hands on some of the most advanced technologies in the maritime industry.

Age	Education	Sea Career Path	Shore Career Path
16	'O' Level • 12 mths at SP • 12 mths Sea Training • 12 mths at SP		
20	Diploma in Nautical Studies (plus International Class 3 CoC) ↓ Sea Experience (12 mths for Class 2 CoC Oral Exam) ↓ Combined Class 1&2 CoC Course	Jr officer on merchant ships or off-shore & DP vessels (\$\$3,000++)	Executive in shipping port, pilot, surveying, off-shore services ↓ Further Studies
24	International Class 2 CoC ↓ Sea Experience (24 mths for Class 1 CoC Oral Exam)	Chief Officer (\$\$7,500++)	Middle management in shipping, port, pilot, surveying, off-shore services
27	International Class 1 CoC	Ship Master (\$\$10,000++)	

++ Tax free income plus paid leave



“To know that the job I’m doing is vital to world trade brings me a lot of satisfaction. As a ship officer, I can travel the world and gain new perspectives on different countries, cultures and people.”

– *Shone De Silva, 2nd Year DNS Cadet*

Further Studies

With a DNS diploma, you can gain direct entry into relevant degree courses overseas. If you are considering a sea career, you can pursue a Degree in Maritime Operations offered by the Maritime Institute Willem Barentsz (Netherlands).

For further information regarding entry requirements, courses and careers please contact:

Singapore Maritime Academy

Tel: (65) 6772-1316

Fax: (65) 6772-1958

Email: sma@sp.edu.sg

Website: <http://www.sp.edu.sg/schools/sma>



WITH SP, IT'S SO POSSIBLE.

Produced by

Department of Corporate Communications

Singapore Polytechnic 500 Dover Road Singapore 139651