



MASTER OF SCIENCE SHIPPING AND TRANSPORT

MASTER YOUR AMBITIONS

Master of Science Shipping and Transport





The Master of Science Shipping and Transport programme was established in 2007 by STC Group in cooperation with the maritime and logistics business communities. Maritime & Logistics University of applied sciences provides a programme that gives you an excellent opportunity to improve your maritime knowledge and understanding as well as strengthen your managerial skills. We offer both a full-time and a part-time programme.

STC Maritime & Logistics University of applied sciences (MLU-OAS), formerly known as Netherlands Maritime University, is a specialised educational institute. Established in 2007 by STC Group, it assists professionals within the maritime, logistics and transport industries to master their ambitions.

Located in mainport Rotterdam, MLU-OAS offers a unique international Master of Science Shipping and Transport programme in English, a Dutch Bachelor programme Maritime Technology and inspiring short courses (in English).



ESTABLISHED
2007



STUDENT SATISFACTION
8



CONTACT HOURS
27 hours a week



JOB OPPORTUNITIES
multiple in the ports
and shipping sector



ORIGIN OF STUDENTS
>30 different
nationalities



SIZE OF THE GROUP
15-25 per class

Why a career in shipping and transport?

Shipping plays a vital role in world trade and is the backbone of the world economy. Without ships and the services they provide, the world would not be as prosperous as it is today and many countries would not be able to participate in world trade. The shipping and logistics industries are two of the few industries that are truly global in both geographical scope and in the nature of the business.

Globalisation of trade and economies has led to a situation where multinationals have developed worldwide sourcing and marketing strategies. Logically, ports and shipping companies play an important role in enabling the smooth and efficient transportation of cargoes, thus connecting manufacturers and consumers around the world.

Master of Science

This programme will give you an excellent opportunity to improve your maritime and logistics knowledge and understanding as well as strengthen your managerial skills. You will be encouraged to share your views on the dynamic world of shipping and logistics with us and with your fellow students, who come from all over the world. When you have completed our MSc programme, you will be a skilled and knowledgeable professional, excellently

equipped to fulfil a higher management position within the shipping and transport industry.

Our Academic Board consists of key individuals from the shipping and transport industry and academia. They ensure that the quality of the programme guarantees that your time and money is invested wisely.

What the programme offers

The programme starts with an introduction week in mainport Rotterdam. Thereafter, all courses within the programme provide a thorough understanding on specific elements of the maritime and logistics industries. The MSc programme is set up so that students are provided with a combination of subject matter knowledge and competency development. Throughout the curriculum, the emphasis is placed on the practical application of knowledge.

MLU-OAS's didactical model is derived from Confucius' famous philosophy: "I hear and I forget. I see and I remember. I do and I understand." We believe that students learn most from practical experience. MLU-OAS believes that knowledge is transferred best when students do not just hear and read, but instead interact with lecturers and other students in a real-life or simulated real-life environment.



Programme overview

The MSc programme consists of seven different focus areas with a combined study load of 60 ECTS credits. The duration of the MSc programme is 12 months. After this, in the consecutive month, your thesis defence and graduation will take place.

The programme is clustered into four domains: Shipping Management, Economics & Finance, Logistics Management, and Transport law & Policies. Integration between all domains is brought in the exciting integration case. Additionally, a substantial part of the MSc programme is reserved for Management and Research Skills and the Thesis project. Combined, the courses complement the ways in which you are challenged to approach maritime and transport related issues from different perspectives and from the position of different stakeholders, e.g.:

- From the position of a shipping company, port authority, national or regional governmental body, maritime inspection authority, shipbroker, freight forwarder, stevedore, logistics company or financial institution.
- From different organisational perspectives, e.g. strategy, crewing and manning (human resources management), operations, finance and accounting, management (organisational).



The programme concludes with a thesis. Over a period of three to four months, you are required to conduct research and write a thesis, preferably within the context of a relevant management problem.

SHIPPING MANAGEMENT 11.5 ECTS	ECONOMICS & FINANCE 8 ECTS	LOGISTICS MANAGEMENT 11.5 ECTS	TRANSPORT LAW & POLICIES 7 ECTS
Introduction to Shipping	Basics of Finance and Economics	Introduction to Logistics	History of Law
Corporate Maritime Strategies	Port Economics	Supply Chain Management	Maritime Transport Law
Fleet and Crewing Management	Ship Economics	Port Design and Management	Shipbroking and Chartering
Human Resources management in Shipping	Port Finance	Hinterland Strategies	Maritime Policies and Politics
Maritime Innovation and Engineering	Ship Finance	Cargo and Terminal Operations	Transport Security
Shipbuilding, Sale and Purchase		Quantitative Methods and Techniques	Ocean Management
Integration case - 4 ECTS			
Management and Research Skills - 3 ECTS			
Thesis project - 15 ECTS			



Shipping Management

The shipping industry tends to be different from other industries because of its global nature, capital intensity, high sensitivity to economic upswings and downturns, typical organisation and ownership structures and its sensitivity to geopolitical forces. In this changing and extremely competitive international context, strategic options of maritime operators appear to be even more complex. This domain brings the student a sound introduction to the relevant stakeholders and policies regarding

maritime management. After a starting point of corporate strategies, the whole maintenance and technical management process will be handled, including the system support functions, followed by crewing issues.

This domain will enable participants to make their choices in a reflected and holistic way and inspire change and innovation in organisations through human resources management.

WHAT YOUR PREDECESSORS TOLD US



“The Master of Science in Shipping and Transport at MLU-OAS helped me to acquire deeper knowledge about shipping and logistics on a worldwide scale, and applies the theory into practice with interesting port visits in Europe and Asia, analysing the current shipping challenges in depth around the world and supply chain issues that various companies faces, as well as the risks and opportunities for this industry in the coming future. I would highly recommend the master to anybody who has work experience and would like to acquire more skills and professionalism in developing their career. MLU-OAS is located in the heart of one of the biggest ports in the world, the Port of Rotterdam, it is a must-have experience and a golden opportunity for growing your network.”

GLADYS KARIMBA

Economics & Finance

This domain starts with the basics of economics and finance, introducing students with no previous financial or business education to subjects including management accounting, management control and financial management. The course is based on international accounting standards and business practices.

It will also provide courses discussing all major aspects of ship and port economics. Typically, maritime organisations (should) have a global scope as their business extends itself to all corners of the globe. Shipping has an essential role in enabling world trade and linking economies together. During these courses generic economic theories and instruments are applied to a maritime context.

The domain will be concluded with two specialised courses in ship and port finance. The aim of the specialised Ship Finance course is to bring the students awareness of and basic knowledge about principles in ship finance, sources of finance, financing structures, risk analysis and the role of commercial banks and other financial institutions in the shipping market.

The objective of the advanced course on Port Finance is to introduce students to main trends in the port sector which have an influence on the way port infrastructure is restructured and financed. Students will gain insights into the main principles of financial structuring of port assets and financial analysis tools for port investments



and financing. Important elements in port financing are the development and structures of Public Private Partnerships (PPP), concession contract analysis and the ability to determine the so-called bankability of a port finance proposition.

WHAT YOUR PREDECESSORS TOLD US



"I joined the Master of Science in Shipping and Transport when I was 23 years old and it helped me to kick-start my career in the Shipping Industry. Under the guidance of experienced senior professionals, the course was ideal for me. Going straight into business through practical application studies. The cozy relationship with my classmates and staff felt like an extended multicultural family, and helped me improve and develop my own communication and leadership skills."

DANIEL ROSENVALD FIGUEIREDO

Logistics Management

During the courses in this domain, the focus is on the logistics chain as a whole. Furthermore, we organise company visits and case studies. As such, this domain provides a combination of studying and experiencing how your study is put into practice.

The domain starts with an overview of supply chain management and global value chains. From the perspective of a focal firm both internal and external suppliers and customers are being investigated. The dynamics, development and globalisation of supply chains are explained, as well as the application of various supply chain management concepts in practice. Besides that, an assignment on sustainable supply chains is made.

The second part of the domain focusses on port management and hinterland strategies. Ports are important nodes in the worldwide transportation system. After a helicopter view of supply chain management, we take a closer look at ports, port operations and the function of a port in the logistics chain. The hinterland is the backbone of every port and therefore hinterland connections are also of importance in this part of the domain.

The last part of the Logistics Management domain is centred around a port terminal. Terminal operations, the connection between ship and shore and bottlenecks included in the terminal operations are studied.

Transport Law & Policies

The aim of this domain is to provide the student a legal and jurisdictional framework in relation to trade and transportation. The specific law framework applicable for the transportation sector and the line of developments and dynamics therein per industry are explained. Structures, methodology of law sections, essential parallels in approach and differences in systems are focused on, as these facilitate better understanding of the basic principles common to all transport and logistics sectors. Special attention is given to the specific characteristics and development of maritime law and from there the parallels and differences are drawn to the other sectors. Other parts of this domain are the important aspects of the IMO and the international rules and conventions.

In this domain, ocean management and marine awareness will also be handled. It is generally accepted that ocean usage will grow in the years to come. That realisation has prompted calls for a more integrated approach to ocean management at all levels of government. Still, most people involved in the maritime sector know relatively little of what is happening in other areas and therefore this course aims to give the students an insight on the environmental impact of shipping and logistics. Emphasis is placed on the need to responsibly use the oceans in a sustainable manner, to ensure the availability of marine uses and resources for future generations.

WHAT YOUR PREDECESSORS TOLD US



"MLU-OAS gave a full speed ahead to my career. The programme provides great insight into the diversified sectors of the shipping and transport industry, this helped me grow into a confident professional with in-depth knowledge of shipping industry. The best thing about studying at MLU-OAS was definitely the lecturers and the high quality of lectures that I attended on a daily basis. The relatively small group size in combination with great receptive nature of the lecturers in sharing their seemingly endless knowledge was no doubt an essential component of the success of my degree and ensured that assignment deadlines came and went without incident."

ABHISHEK BAISWAR



INTEGRATION CASE

The MLU-OAS believes that the integration between theory and practice is helpful for students. With the integration case at the end of the theoretical part of the Master, we strive for the students to stretch their knowledge, both in a team setting and as a preparation for the thesis project. Multiple angles of the four domains will be combined in one large case.

In order to become qualified as a master, development of skills is equally important as development of knowledge. The objectives of a case driven method of learning is to apply knowledge, make informed judgements, as well to improve communication skills. As the case study work is spread out over a longer period of time, students have sufficient time to reflect and improve based on feedback.



Part of the case will be executed at another location of STC Group, e.g., Oman or South Africa. This is the international exchange programme, fully embedded within the Master of Science programme.

WHAT YOUR PREDECESSORS TOLD US



"It always felt like a privilege for me to study for the master's degree in the most knowledgeable port city in the world. MLU-OAS offers the best possible intense Master programme. They offered me expertise in the field of ships, shipping, logistics and port management. I was also encouraged to think on a more comprehensive management-level about the ever-changing maritime industry."

DIEHUA HU



MANAGEMENT AND RESEARCH SKILLS

The objective of Management and Research Skills (MRS) is to prepare students for their thesis period in which they are required to do a research. The aim of this research is to link existing theories and contemporary issues related to the shipping and transport industry, in order to create new insights or a solution to a problem. Topics may vary greatly and are left to the discretion of the students.

Students learn to identify issues and create research questions, where it is important that they search for the 'question behind the question'. Students also learn to draft a research plan, which will enable them to retrieve relevant data and reach a well-supported conclusion answering the research questions.

The relevance of this module is that maritime and logistics professionals in (senior) management positions are expected to make decisions and these decisions should be, ideally, based on facts in order to increase the quality of these decisions. This module will provide the tools for that.



THESIS PROJECT

The crown on the work is the finalisation of the MSc programme with the thesis project. Students are asked to find their own thesis project, in an area of their interest, preferably within the context of a relevant management problem.

The thesis project takes approximately 14 weeks. We start off with a course on how to manage this project and how to structure a thesis. From literature review, data collection and field research, students are challenged to set up a research. Participants are stimulated to find a thesis project in their home country and/or within the company they are working for.

The thesis project finishes with a defence in front of an audience. You will present the results of your research and your thesis and explain what outcomes added to the general knowledge in the maritime and logistics fields.





GAINING EXPERIENCE ABROAD

We understand that international experience is of great importance for the industry and for your own career development. This is why you will participate in an international study trip. Students from the Rotterdam programme will visit Port of Sohar or Cape Town. This will give you the opportunity to meet fellow students overseas and develop your network. During the exchange programme, you will benefit from continuing your studies in a different environment. Company visits and guest lecturers will provide you with broader perspectives of shipping and transport as well as the functioning of global supply chains.



How to join

The Master of Science Shipping and Transport programme is accredited by the Dutch Flemish Organisation for Accreditation (NVAO) and listed in the Central Register of Higher Education Study Programmes (CROHO - #70068). MLU-OAS provides the Master of Science Shipping and Transport as a full-time programme and as a part-time

programme in Rotterdam, the Netherlands. The degree, the education and the faculty of both programmes are the same. Students will be registered at the university for professional education MLU-OAS and the diploma will be issued by the MLU-OAS in Rotterdam as an internationally recognised certificate.

Admission requirements

For the most up-to-date information on start dates, tuition fees, additional costs and application deadlines, contact the Administration Office via e-mail info@stc-mlu.com or visit: maritimelogisticsuniversity.com.

The ideal profile of an applicant fulfills the following admission requirements:

- a Bachelor degree in a relevant subject and two years work experience, or:
- a Bachelor degree and two years work experience in a relevant field.

As the whole programme is taught in English, candidates must have demonstrated proficiency in the language. On the basis of the admission documents, a pre-selection will be made. Selected candidates will be invited for an intake interview. A successful interview results in your admission to the MSc programme. The MLU-OAS will assist students with obtaining a visa, housing and insurance.

For more general information on studying in the Netherlands, please visit: www.studyinholland.nl.

Do you prefer a part-time programme?

The part-time programme is tailored for ambitious working professionals who wish to keep their day jobs and combine their career with further higher education in the field of port, shipping and transport management. The part-time MSc requires a study commitment of approximately fifteen to twenty hours per week (courses included) and has a combined study load of 60 ECTS. Classes take place during the evening. The total duration of the part-time programme is two years, including the thesis phase.

Who Should Attend

The programme benefits participants with different backgrounds, e.g.:

- Seafaring officers who need the necessary tools to take up an onshore occupation.
- Transport and logistics professionals seeking to extend their knowledge about shipping, supply chain management and multimodal transport with the purpose of improving their management competencies.
- Employees in specialised or technical functions who want to move towards a managerial function.
- Port authority and government officials who want to get acquainted with the latest developments in their fields.

Additionally, the programme will be of particular benefit for students in possession of a Bachelor degree in logistics and maritime operations who want to proceed their studies.

OUR LECTURERS

Linda Treuman



Linda Treuman (1978) is a lecturer at MLU-OAS since 2014. She specialises in the logistics field and has a MSc in Business Administration. Linda has gained work experience in international account management and business development at the Port of Rotterdam and STC Group.

Jasper Groen



Jasper Groen (1974) lectures at MLU-OAS. He is renown attorney-at-law and works for a wide range of clients including freight forwarders, terminal operators and suppliers. Jasper has a vast experience in international trade disputes (relating to transfer of title, liens, documentary credits, debt collection and attachments), both in litigation before the state courts, as well as in arbitration.

Alco Weeke



Alco Weeke (1963) just started after his graduation at MLU-OAS. After a sailing career of ten years, as a navigator and marine engineer, he started working at STC Group 22 years ago. First at STC Training & Consultancy, later as Director of the Maritime Bachelor Education at Rotterdam Mainport Institute. Besides MLU-OAS, he also works for the innovation and educational development department.

Martijn Riesenkamp



Martijn Riesenkamp (1978), lecturer in Quantitative Methods & Techniques since 2009. He specialises in simulation models of complex logistical processes, mainly in the maritime, gas and oil industry. Martijn has a MSc from TU Delft in Systems Engineering and works as a consultant.

Luc Cuyvers



Luc Cuyvers (1954) has been lecturing Ocean Management and Marine Policy since the establishment of MLU-OAS in 2008. He holds masters and doctoral degrees in Marine Policy from the University of Delaware. Luc has written several books on ocean issues. He is also a journalist and film maker.

Jan Bakker



Jan Bakker (1955) is director of MLU-OAS and lectures 'Introduction to Shipping Management'. After a career at sea he worked as a lecturer at the Nautical Academy in Amsterdam. After that he took the position of managing director for a maritime related IT company in Sweden. Jan works for STC Group since 1998, and is director of the MLU-OAS since 2013.

About the Netherlands

The Netherlands has a proud maritime history. At present the Dutch Maritime Cluster consists of a flourishing merchant marine and a number of world leading subsectors such as specialised shipbuilding, dredging, offshore, ports and logistics, inland waterways and yachting. The Dutch Maritime Cluster contributes nearly 3% to the Gross Domestic Product (GDP). The 17,200 companies employ directly and indirectly 270,000 persons with an added value of €23.3 billion.

For more information about the Netherlands please visit [holland.com](https://www.holland.com). More information about living in The Netherlands in general, can be found on [nuffic.nl](https://www.nuffic.nl) and [studyinholland.nl](https://www.studyinholland.nl).

About Rotterdam

What better location could you wish for than Rotterdam to follow your Master of Science in Shipping and Transport! Not only does the city offer you one of the most advanced ports in the world, it also offers you interesting (port-related) events, a vivid student life and great highlights!

Rotterdam is unlike every other city in Holland. During World War II the city centre was completely destroyed. Instead of restoring, the people chose to build a city ready for a prosperous future. Ever since, Rotterdam is a city with big ambitions that has the guts to make things happen.

For more information about Rotterdam visit [rotterdam.nl](https://www.rotterdam.nl).



Member of STC Group

STC Group is renowned for its unique combination of education, training, research and consultancy dedicated to the port, shipping, transport and process industries. It has the largest simulator park for the maritime and transport industry in the world. This makes STC Group explicitly equipped to fulfil the needs of a maritime Master of Science programme.

MLU-OAS is a member of STC Group and located in Rotterdam.

For more information and our administration office, please contact us.

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