

Maritime Vocational School / Maritime Management and Operations

About The Program

Maritime Management and Operations Program is a practice-oriented associate degree program designed in response to the dynamic structure of the maritime transport and port industry, increasing global trade volume, and the need for operational efficiency. The main objective of the program is to educate qualified intermediate-level professionals who are competent in sectoral practices and capable of working in ship operations, port and terminal services, maritime transportation, logistics processes, and commercial maritime activities.

The curriculum is structured to cover the fundamental areas of the profession, including principles of maritime management, port management and terminal operations, cargo handling processes, ship agency services, logistics and supply chain applications, maritime trade, and transportation systems. In addition, courses such as international maritime regulations, maritime law, marine insurance, basic economics, and business administration enable students to develop a comprehensive understanding of sectoral operations.

The program also includes contemporary topics such as occupational health and safety, maritime safety culture, environmental protection practices, sustainable maritime transport, quality management systems, and digital port applications, ensuring that students adapt to modern maritime practices. Through real-sector scenarios and applied training, students gain the ability to develop practical and analytical solutions to operational problems.

In the later stages of education, students' professional competencies are strengthened through applied courses, field studies, compulsory internships, and vocational practices. Graduates of the program acquire the knowledge and skills required to perform operational, planning, and administrative support roles in port authorities, terminal operators, ship agencies, logistics companies, maritime enterprises, and transportation organizations. They are trained as technical personnel who can follow sectoral developments, work effectively in teams, and take responsibility in professional environments.

Profile of the Program

The Maritime Management and Operations Program is an associate degree program aimed at training practice-oriented professionals who are capable of working in ship operations, port and terminal services, maritime transportation, and logistics processes in line with the current operational needs of the maritime transport and port sectors. The program integrates maritime business administration, fundamental legal and regulatory knowledge, economics, finance, and technical maritime subjects with sector-based applications.

The curriculum is designed to cover professional areas such as ship agency services, port and terminal operations, cargo handling and planning processes, logistics and supply chain practices, maritime trade, and transportation systems. In addition, courses including international maritime regulations, maritime law, an introduction to marine insurance, basic risk management, and digital port applications enable students to understand the functioning of the sector at an operational level. Students also gain applied knowledge and skills related to fundamental digital systems and information technologies used in maritime operations.

The program addresses sustainability, environmental protection, occupational health and safety, and maritime safety culture by linking these topics with professional practices. In this framework, students are expected to develop environmental awareness and ethical responsibility in operational decision-making processes. Emphasis is also placed on teamwork, work discipline, communication skills, and problem-solving competencies.

Graduates acquire the knowledge and skills required to work in operational, planning, field coordination, and administrative support roles within port authorities, terminal sites, ship agencies, logistics companies, maritime enterprises, transport and organization firms, and businesses related to maritime trade. Program graduates are trained as technical personnel who are competent in practical applications, capable of taking responsibility, and able to manage work processes effectively in the sector.

Qualification Awarded

Maritime Management and Operations, Associate Degree

Length of Programme and Number of Credits

2 years (excluding one year of English Preparatory Program), 2 semesters per year, 15 weeks per semester, 120 ECTS credits

Level of Qualification

Associate Degree; YÖK National Qualifications Framework (TYYÇ), Level 5

Specific Admission Requirements

The admission of Turkish citizens to higher education is based on a nationwide Student Selection Examination (ÖSYM) organized by the Turkish Higher Education Council (YÖK). The admission of citizens of the Turkish Republic of Northern Cyprus is based on the Near East University Entrance and Placement Examination organized for TRNC citizens. The admission of foreign students is based on their high school diploma. A document proving English language proficiency is also required.

Recognition of Credit Mobility and Prior Learning

The transfer and recognition of courses taken outside University of Kyrenia are carried out in accordance with the principles set forth in the relevant Regulations, based on the decision of the respective Faculty or Institute Board of Directors. If the content of the courses taken at another higher education institution is found to be compatible with the content of the courses offered at University of Kyrenia and is deemed appropriate by the relevant Faculty or Institute Board, students may be granted exemption from these courses.

Qualification and Graduation Requirements and Regulations

In order to graduate from the Maritime Management and Operations program, students are required to successfully complete all courses included in the curriculum. To be eligible for graduation, students must pass all compulsory and elective courses, successfully complete the mandatory internships and the graduation project, obtain a total of 120 ECTS credits, and achieve a minimum cumulative grade point average (CGPA) of at least 2.00 out of 4.00.

Programme Learning Outcomes

- 1** Demonstrate fundamental knowledge of maritime business, shipping operations, port management, and international logistics.
- 2** Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.
- 3** Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.
- 4** Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.
- 5** Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.

6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.

Program Educational Objectives

1	To educate qualified professionals who are well-versed in international standards, regulations, and industry practices in maritime business administration, ship operations, and port and logistics management, and who can effectively assume responsibilities in both shipboard and shore-based maritime transportation activities.
2	To equip graduates with management-, economics-, finance-, law-, and digitalization-based knowledge and skills, enabling them to plan, manage, and make data-driven decisions in ship management, chartering, brokering, and port and terminal operations.
3	To develop responsible maritime professionals who can integrate principles of sustainability, environmental protection, safety, and risk management into operational and managerial processes in line with IMO strategies and international maritime conventions.
4	To prepare individuals who can communicate effectively in multicultural and interdisciplinary environments within the global maritime and logistics sectors, and who possess leadership qualities, ethical responsibility, entrepreneurial awareness, and a commitment to lifelong learning.

Program Curriculum Map

M: Master / D: Develop / I: Introduce / N: None

Level of Course Unit Semester	Course Code	Curriculum Courses	Course Name	Key Learning Outcomes														
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1/1	NAV101	Navigation I		I	N	N	N	N	N	I	N	N	N	N	N	I	N	H
1/1	SEA101	Seamanship I		I	N	N	N	N	N	I	I	N	N	N	I	I	N	H
1/1	SAF101	Maritime Safety I		I	N	I	N	N	N	D	N	N	N	N	D	N	N	H

1/1	EAS103	Introduction to Business	I	I	N	N	N	N	I	N	N	N	I	I	N	Gi		
1/1	MMD101	Introduction to Shipping	I	I	I	I	N	N	I	I	I	I	I	I	I	Gi		
1/1	MMD103	Introduction to Yachting I	I	N	N	N	N	N	I	I	N	N	N	I	N	H		
1/1	TUR101	Turkish I: Written Expression	N	I	N	N	N	N	N	N	N	N	N	N	D	N	H	
1/1	MRE101	General Aspects of Marine Engineering	N	D	M	D	N	N	N	D	M	N	N	D	M	N	U	
1/1	MTH171	Matheamatics for Business and Economics I	D	M	N	N	N	N	N	D	M	N	N	D	M	N	U	
1/1	AIT101	Ataturk's Principles and History of Turkish Revolution I	N	N	M	N	N	N	N	N	M	N	D	D	N	H		
1/1	ENG101	English I	N	I	N	N	N	N	N	I	N	N	I	D	N	Gi		
1/2	NAV102	Navigation II	D	N	N	N	N	N	D	N	N	N	N	N	D	N	H	
1/2	SEA102	Seamanship II	D	N	N	N	N	N	D	D	N	N	N	D	D	N	H	
1/2	SAF102	Maritime Safety II	D	N	D	N	N	N	D	N	N	N	N	D	N	N	H	
1/2	MMD102	Introduction to Yachting II	D	N	N	N	N	N	D	D	N	N	N	D	N	N	H	
1/2	EAS104	Principles of Management	I	D	N	N	N	N	N	D	N	N	N	D	D	N	GE	
1/2	WAT102	Standards of Watchkeeping I	N	N	N	N	N	N	N	M	N	N	M	M	M	N	H	
1/2	TUR102	Turkish II: Verbal Expression	D	N	D	N	N	N	D	N	N	N	N	D	N	N	H	
1/2	MTH172	Matheamatics for Business and Economics II	D	N	D	N	N	N	M	N	N	N	N	D	D	N	H	
1/2	AIT102	Ataturk's Principles and History of Turkish Revolution II	N	D	N	N	N	N	N	N	N	N	N	N	D	N	H	
1/2	CMP102	Introduction to Information Technologies	M	M	M	M	D	D	M	M	M	M	M	M	M	M	U	
1/2	ENG102	English II	N	N	N	N	D	I	N	N	N	N	I	N	D	D	H	
2/3	SHA201	Ship Handling	N	D	N	N	D	N	N	N	N	N	N	N	N	D	N	H
2/3	SAF201	Maritime Safety III	N	D	N	N	N	N	N	N	D	D	N	D	D	N	GE	
2/3	EAS204	Principles of Marketing	D	N	D	N	N	N	D	N	N	N	N	N	D	N	H	
2/3	MET201	Maritime Meteorology	D	N	N	N	N	N	D	N	N	N	N	N	N	D	N	H
2/3	COM201	Marine Communication	N	N	N	N	N	N	N	D	N	N	N	D	D	N	H	
2/3	MEN201	Maritime English	N	N	N	N	N	N	N	D	N	N	N	D	D	N	H	
2/3	CSB201	Chartering and Shipbroking	N	N	N	N	N	N	N	D	N	N	D	D	D	N	H	
2/4	MMD200	Port Agency	I	N	N	N	N	N	N	D	N	N	D	D	D	N	H	
2/4	SAF202	Maritime Safety IV	D	D	D	N	N	N	N	D	D	D	D	D	D	N	GE	
2/4	MMD202	Port and Shipping Logistics	N	D	N	N	N	N	N	N	D	D	N	D	D	N	GE	
2/4	NAV204	Electronic Aids to Navigation	D	N	D	N	N	N	D	N	N	N	N	D	N	N	H	
2/4	MMD204	Port and Terminal Operations	D	N	N	N	D	N	D	N	N	N	N	N	D	D	H	
2/4	LAW202	Maritime Law and Conventions	D	D	N	D	N	N	D	D	D	N	N	D	D	N	GE	

2/4	EMR202	Emergency Procedures	N	N	N	N	N	N	N	D	N	N	N	D	D	N	H
2/4	FMC202	First Aid and Medical Care	N	N	N	N	N	N	N	D	N	N	N	D	D	N	H
2/4	CRG202	Cargo Handling and Stability	N	N	N	N	N	N	N	D	N	N	D	D	D	N	H
2/4	TSM202	Technical Ship Management	N	N	N	N	N	N	N	D	N	N	N	D	N	N	H

Curriculum Electives			Key Learning Outcomes														
Level of Course Unit Semester	Course Code	Course Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2/3	MMD201	Maritime Economics	D	D	N	N	D	D	N	D	M	N	N	M	M	M	M
2/3	MMD203	Supply Chain Management	D	N	M	N	N	D	N	D	N	N	N	M	M	N	N
2/3	MMD207	Blue Economy and Innovation	D	D	N	M	N	M	N	D	M	N	N	M	M	M	M
2/3	MMD209	Ocean Governance and Policy	D	N	N	N	N	N	M	D	N	N	N	M	M	N	N
2/3	MMD211	Environmental Impact Assessment in Shipping	M	M	N	D	N	N	D	D	M	N	N	D	M	N	M

TQF-HE & Program Learning Outcomes Coverage

Group		TQF-HE Qualification	Program Learning Outcomes
Knowledge	Theoretical, Empirical	Possessing advanced theoretical and practical knowledge supported by textbooks containing up-to-date information in the field, application tools, and other resources.	Demonstrate fundamental knowledge in maritime operations, ship operations, port management, and international logistics.
Skills	Cognitive, Practical	Ability to apply advanced theoretical and practical knowledge acquired in the field.	Applying management, economic, and financial principles to decision-making processes in ship operation, chartering, brokerage, and maritime organizations.
		Using advanced knowledge and skills acquired in the field to interpret and evaluate data, identify problems, analyze them, and develop evidence-based solutions.	Implement marketing, logistics, and supply chain strategies for the global maritime transport and shipping industries.
Competencies	Ability to Work Independently and Take Responsibility	Ability to independently conduct advanced research in the field.	Effectively plan and manage port and terminal operations, taking into account cargo handling systems, port logistics, and intermodal transportation networks.

		Ability to take responsibility as an individual and team member to solve complex and unforeseen problems encountered in applications related to the field.	Demonstrating ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.
		The ability to plan and manage activities aimed at the development of employees working under one's responsibility within the framework of a project.	Demonstrate the leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.
		Acting in accordance with social, scientific, cultural, and ethical values during the collection, interpretation, application, and dissemination of results related to the field.	Demonstrating ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.
		Awareness of the universality of social rights, social justice, quality culture, and the preservation of cultural values, as well as environmental protection, occupational health, and safety.	Demonstrate the leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.
Competencies	Learning Proficiency	The ability to identify learning needs and guide learning.	Implement marketing, logistics, and supply chain strategies for the global maritime transport and shipping industries.
		Developing a positive attitude toward lifelong learning.	Applying entrepreneurship and strategic management principles to establish or develop maritime-related businesses in a competitive global environment.
Competencies	Communication and Social Competence	The ability to organize and implement projects and activities for the social environment in which one lives, with a sense of social responsibility.	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis management in shipboard and shore-based environments.
		The ability to use information and communication technologies along with computer software at a level equivalent to at least the European Computer Driving License Advanced Level, as required by the field.	Ship management, monitoring fleet performance, and utilizing digital tools and data-driven approaches in maritime logistics systems.

		<p>The ability to follow developments in one's field and communicate with colleagues using a foreign language at a level of proficiency equivalent to at least the Common European Framework of Reference for Languages (CEFR) B1 General Level.</p>	<p>Using effective Business English and Maritime English for negotiation, correspondence, and documentation in international maritime environments.</p>
Competencies	Field Competency	<p>Ability to inform relevant individuals and institutions on matters related to the field; ability to convey thoughts and proposed solutions to problems both in writing and verbally.</p>	<p>Develop research skills and analytical thinking abilities to identify, evaluate, and solve complex problems in maritime transportation and logistics systems.</p>
		<p>Being able to share your thoughts on topics related to your field and your proposed solutions to problems with both experts and non-experts, supported by quantitative and qualitative data.</p>	<p>Preparing and analyzing charter contracts, bills of lading, and other shipping documents; managing cargo damage claims and marine insurance matters.</p>
		<p>The ability to critically evaluate the advanced knowledge and skills acquired in the field.</p>	<p>Understanding and interpreting international maritime law, contracts, and trade regulations, including SOLAS, MARPOL, UNCLOS, and INCOTERMS.</p>

TAY	Program Learning Outcomes														
TAY \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15
1	✓														
2		✓													
3									✓						
4				✓											
5							✓								
6								✓							
7												✓			

8							✓									
9																✓
10																✓
11							✓									
12							✓									
13													✓			
14														✓		
15												✓				
16			✓													

Institutional Learning Outcome / Program Learning Outcome Coverage

R = Relevant PR = Partly Relevant NR = Not Relevant

Institutional Learning Outcome		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15
1	They will be able to analyze, synthesize, and evaluate information and ideas from different perspectives.	R	PR	R	R	PR	PR	PR	PR	R	R	PR	PR	PR	PR	R
2	They will be able to perform their duties within the framework of multidimensional quality standards without disregarding ethical rules.	PR	PR	PR	NR	PR	R	R	R	PR	NR	PR	R	PR	NR	NR
3	By being aware of different cultures and global and historical perspectives, they can serve society through consistent and responsible behavior.	PR	NR	PR	PR	PR	R	PR	PR	PR	PR	R	PR	PR	R	PR

4	By bringing together the concepts and knowledge they will acquire from numerous scientific disciplines, they will be able to access different fields of knowledge, compare them, and critique them.	R	PR	PR	R	PR	PR	PR	PR	R	PR	PR	PR	PR	R	R
5	They will be able to demonstrate expertise in a specialized field of work and combine theory with practice.	R	R	PR	R	PR	PR	R	PR	R	NR	PR	PR	PR	R	PR

Occupational Profiles of Graduates

Graduates of the Maritime Management and Operations Program may be employed in both the public and private sectors within the fields of maritime transportation, port and terminal management, logistics, and supply chain management. Graduates can pursue careers in ship management, chartering and brokering, liner shipping operations, port agency services, marine insurance, marina and yacht management, maritime tourism, customs and foreign trade, as well as maritime consultancy and inspection organizations.

In addition, graduates may be employed in relevant public institutions and, provided that they meet the required conditions, may continue their education at the undergraduate level.

Access to Further Studies

May apply to undergraduate degree programmes.

Maritime Management
Associate Degree Program Graduate Statistics
(Last Five Years)

Year	Number of Graduates
2020	2
2021	2
2022	1
2023	1
2024	1

Course Structure Diagram with Credits

I. Class / I. Semester

Course Code	Course Name	Core Elective	Theory	Practice	ECTS
NAV101	Navigation I	Core	2	2	3
SEA101	Seamanship I	Core	2	2	3
SAF101	Maritime Safety I	Core	2	2	3
EAS103	Introduction to Business	Core	3	0	3
MMD101	Introduction to Shipping	Core	3	0	3
MMD103	Introduction to Yachting I	Core	2	2	3
TUR101	Turkish I: Written Expression	Core	2	0	2
MRE101	General Aspects of Marine Engineering	Core	2	0	2
MTH171	Matheamatics for Business and Economics I	Core	3	0	3
AIT101	Ataturk's Principles and History of Turkish Revolution I	Core	2	0	2
ENG101	English I	Core	3	0	3
Total ECTS					30

I. Class / II. Semester

Course Code	Course Name	Core Elective	Theory	Practice	ECTS
NAV102	Navigation II	Core	2	2	3
SEA102	Seamanship II	Core	2	2	3
SAF102	Maritime Safety II	Core	2	2	3
MMD102	Introduction to Yachting II	Core	2	2	3
EAS104	Principles of Management	Core	3	0	3
WAT102	Standards of Watchkeeping I	Core	4	0	3
TUR102	Turkish II: Verbal Expression	Core	2	0	2
MTH172	Matheamatics for Business and Economics II	Core	3	0	2
AIT102	Ataturk's Principles and History of Turkish Revolution II	Core	2	0	2
CMP102	Introduction to Information Technologies	Core	3	0	3
ENG102	English II	Core	3	0	3
Total ECTS					30

II. Class / III. Semester

Course Code	Course Name	Core Elective	Theory	Practice	ECTS
SHA201	Ship Handling	Core	2	2	3
SAF201	Maritime Safety III	Core	2	2	3
EAS204	Principles of Marketing	Core	3	0	3
MET201	Maritime Meteorology	Core	1	2	3
COM201	Marine Communication	Core	2	2	3
MEN201	Maritime English	Core	3	0	3
CSB201	Chartering and Shipbroking	Core	3	0	3
TE**	Technical Elective	Elective	3	0	3
TE**	Technical Elective	Elective	3	0	3
TE**	Technical Elective	Elective	3	0	3
Total ECTS					30
II. Class / IV. Semester					
Course Code	Course Name	Core Elective	Theory	Practice	ECTS
MMD200	Port Agency	Core	3	0	3
SAF202	Maritime Safety IV	Core	2	2	3
MMD202	Port and Shipping Logistics	Core	3	0	3
NAV204	Electronic Aids to Navigation	Core	2	2	3
MMD204	Port and Terminal Operations	Core	3	0	3
LAW202	Maritime Law and Conventions	Core	4	0	3
EMR202	Emergency Procedures	Core	2	2	3
FMC202	First Aid and Medical Care	Core	2	2	3
CRG202	Cargo Handling and Stability	Core	2	2	3
TSM202	Technical Ship Management	Core	2	2	3
Total ECTS					30
Total ECTS					120

Examination Regulations, Assessment and Grading

Grade	Coefficient	Percentage
AA	4	90-100
BA	3.5	85-89
BB	3	80-84
CB	2.5	75-79
CC	2	70-74
DC	1.5	60-69
DD	1	50-59
FF	0	49 and below
NA	-	Participation rate is below 70%
Mode of Study		
Full Time		
Field(s) of Study		
Maritime Management and Operations		
Head of Program and ECTS Coordinator		
Head of Program		Assist. Prof. Pınar Sharghi
ECTS Coordinator		Dr. Gökhan Tarı