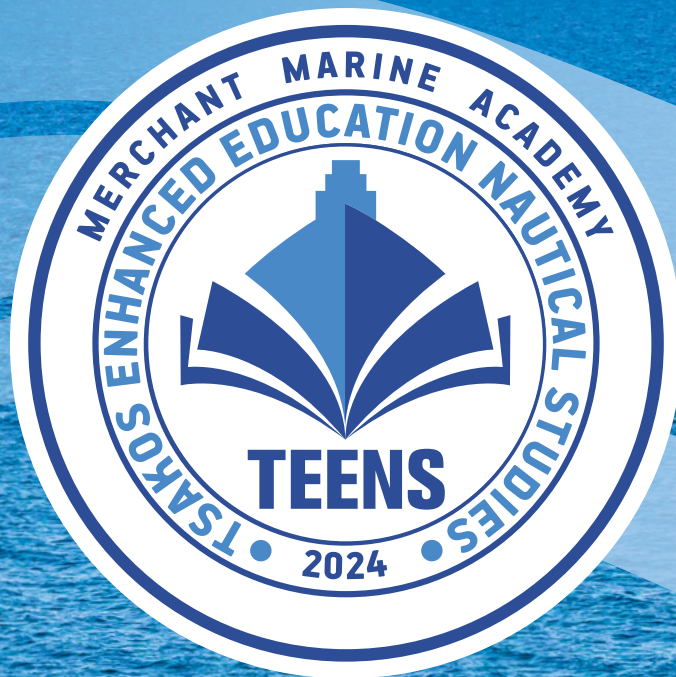




TSAKOS GROUP OF COMPANIES



**TSAKOS ENHANCED EDUCATION
NAUTICAL STUDIES**

**ΤΣΑΚΟΣ ΕΛΛΗΝΙΚΑ ΕΚΠΑΙΔΕΥΤΗΡΙΑ
ΝΑΥΤΙΚΩΝ ΣΠΟΥΔΩΝ**



"We envision "T.E.E.N.S." Merchant Marine Academy to be a nucleus of education, knowledge and excellence which shall prepare and nurture young people from an early age to become one day the leaders who the Greek Seamanship so deeply needs."

Capt. Panagiotis N. Tsakos



**TSAKOS ENHANCED EDUCATION
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1 | The establishment of the Private non-profit Merchant Marine Academy "T.E.E.N.S."

In 2024, the "Maria Tsakos" Public Benefit Foundation - International Center for Maritime Research & Tradition, through the Civil non-profit Company under the name "Tsakos Maritime Education," established the first private non-profit Merchant Marine Academy, accredited by the Deputy Ministry of Shipping of the Republic of Cyprus.

The Academy commenced its operations in September 2024, offering training programs for Deck and Engine Officers. In September 2025, the Electro-Technical Officer (ETO) specialization was introduced into the curriculum, constituting the Academy as a unique and model maritime education and training institute.

In addition, the Quality Management System developed and implemented by the Academy, aiming at the high-quality provision of educational services and the standardization of educational and organizational procedures, has been certified according to ISO 9001:2015 by "Bureau Veritas".

The Academy is an associate member of the International Association of Independent Tanker Owners (INTERTANKO), the International Association of Dry Cargo Shipowners (INTERCARGO), and the Hellenic Marine Environment Protection Association (HELMEPA).

The "T.E.E.N.S." Merchant Marine Academy is responsible for the education of its cadets in accordance with the applicable legislation and a model educational program that ensures the connection between post-secondary maritime education and the needs of shipping industry, based on maritime tradition and seamanship.

The unique advantage of the Academy lies in its genuine link with the Tsakos Group of Companies and its fleet.





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2 | Philosophy-Objectives

The Civil Non-Profit Company, under the name “Tsakos Maritime Education”, by providing Post-Secondary education and training, aims to:

- Provide high-level general education, which will contribute to the balanced cognitive, moral, spiritual, and physical development of the learners.
- Promote critical thinking, initiative, creativity and the abilities of the cadets.
- Cultivate the national, religious and cultural heritage, as well as the preparation of cadets as European citizens.
- Introduce cadets to the values of freedom, democracy, solidarity, and shape a sense of responsible and active citizenship.
- Ensure a balance between personal and academic life so that cadets have the opportunity to allocate their time between knowledge and creativity, alongside participation in social, athletic, and charitable voluntary activities.

- Cultivate basic social skills, necessary for the development of personality and social integration, as well as the cultivation of a spirit of collective effort and conscious discipline, qualities necessary for every organizational unit, especially on board a vessel.
- Provide comprehensive educational programs and training trips for the acquisition of professional knowledge and skills and access to the maritime industry.
- Provide the ability to follow professional developments and assimilate new professional knowledge and skills within the framework of Lifelong Learning.
- Develop actions that ensure and upgrade the quality of technical and vocational education.
- Support and enhance business innovation
- Encourage young people to pursue maritime careers and
- Respect and preserve the Greek maritime tradition and seamanship.



3 | Facilities & Infrastructure

Tsakos Enhanced Education Nautical Studies Merchant Marine Academy is located in the area of Farkaina, in the city of Chios, on 38, Aeroporou Christou Rodokanaki Str.

Modern architecture and ergonomics are the basic characteristics of "T.E.E.N.S." facilities which exceed 1.200 m² in building infrastructure and 2.500 m² in sports facilities in order to cover the educational, sports and other needs of the cadets.

The classrooms and the workshops are fully equipped with tutorial and audiovisual equipment. "T.E.E.N.S." is also making full use of a traditional sailing yacht for training purposes, sailing yacht "Mania", and bridge, engine and Dynamic Positioning (D/P) room simulators which are essentially contributing to more effective, interactive and pleasant educational process.

- Classrooms with capacity of 20-25 cadets
- Laboratories / workshops with modern equipment
- Bridge simulator
- Engine room simulator
- Dynamic Positioning (DP) simulator
- Mechanical Engineering Workshop
- Electrical Engineering Workshop
- Electrical Installations Workshop
- Automation Workshop
- Electrical Applications Workshop
- Training vessel equipped with fully operational GMDSS station
- Safe Mooring Workshop



- Virtual Reality (V/R) Maritime Room
- Reception area for cadets and secretariat
- Faculty Lounges & Academic Council Meeting Room
- Maritime Academic Library - Study Area
- Modern sports facilities





4 | "T.E.E.N.S." Activities

EDUCATIONAL BENEFITS

- Small number of cadets in classes
- Individualized teaching support
- Theoretical, practical and simulator learning
- Training vessel equipped with GMDSS Station
- Educational trips and visits
- Online learning platforms for cadets
- Bridge Simulators
- Engine Room Simulators
- Dynamic Positioning (D/P) Simulators
- Safe mooring Workshop
- Use of modern audiovisual material and equipment in every classroom
- Mandatory seagoing training trips of cadets on Board "TSAKOS" Group of Companies vessels.
- Mentorship program from "TSAKOS" maritime professionals



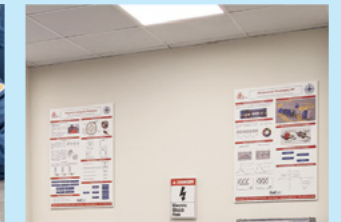
MECHANICAL WORKSHOP

- Specially equipped facilities aiming at the further expertise and practice of our future-Marine Engineers.



ELECTRICAL ENGINEERING, ELECTRONICS AND AUTOMATION WORKSHOPS

- Specially equipped facilities aiming at the further expertise and practice of our future Electrotechnical Officers.



SAFE MOORING WORKSHOP

- Acquisition and comprehension of the basic principles of the ship mooring process, in order to avoid risks that may arise following possible handling errors during the respective operations.
- Theoretical and practical mooring training under different conditions.
- Theoretical and practical study of mooring arrangements and safe mooring of a ship.
- Training regarding the maintenance of mooring equipment, in accordance with international regulations.
- Reinforcement of the sense of safety, that should guide the movements and operations on board.



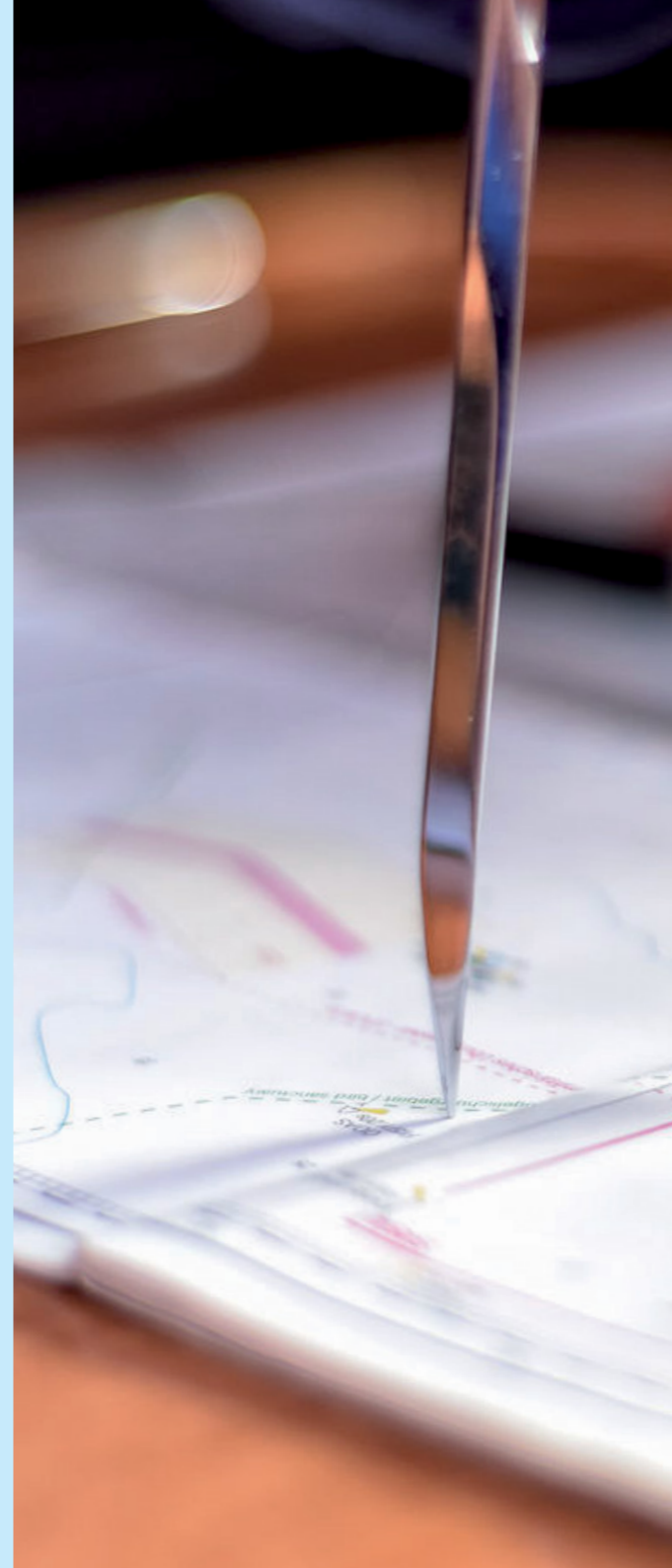
TRAINING VESSEL S/Y MANIA

- Installation of a fully operational telecommunication station G.M.D.S.S. (Global Maritime Distress and Safety System) for hands-on practice.
- Educational trips and excursions.



AWARDS AND HONORS

- Award to Captain Panagiotis Tsakos at "Lloyd's Greek Shipping Awards" for Achievement in education or Training for the establishment of the Academy.
- Award to Captain Panagiotis Tsakos at "ESG Shipping Awards" for the contribution to maritime education.
- Award from the "Piraeus Business Club" for the "Contribution to Maritime Education" to Captain Panagiotis Tsakos for the establishment of the School and the Academy.
- Captain Panagiotis Tsakos was honored by the Deputy Ministry of Shipping of Cyprus for his exceptional contribution to global shipping and maritime education.



ENTRY STANDARDS

"T.E.E.N.S." Merchant Marine Academy follows a policy of non-discrimination (race, colour, religion, gender, or national origin) in admitting cadets.

For the admission of cadets, the applied criteria are the following:

- 1) High School Leaving Certificate grade
- 2) English Language Diploma (at least B2 Level)
- 3) Personal interview
- 4) Medical Fitness Certificate for Seafarers

The entry age will be at least 17 years.



5 | Training Programs

COURSE OUTLINE FOR OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

The duration of the training program is three years. More specific the program is consisting of:

- Two years (4 academic semesters).
- One year (12 months) mandatory seagoing training trips on board "ΤΣΑΚΟΣ" Group of Companies vessels.



COURSE TITLES PER SEMESTER

1st Year, 1st Semester

Mathematics, Physics I,
Maritime English, Navigation,
COLREGS-Safety of Watch Keeping,
Communications,
Deck Seamanship, Computers

2nd year, 1st Semester

Applied Navigation, RADAR - ARPA,
Personal Safety, Maritime Law, ECDIS,
Leadership & Teamwork,
Crisis Management - Risk Assessment,
Cargo Transport

1st Year, 2nd Semester

Physics II, Celestial Navigation,
Marine Meteorology,
Ship Construction - Design,
Bridge Electronic Instruments,
Marine Engines, Human Relations,
Marine Legal Principles

2nd Year, 2nd Semester

Stability - Stresses, Ship's Inspections,
ISPS - SSO,
MARPOL - Ballast Water Management,
GMDSS,
Emergencies & SAR,
BTM - BRM - BMS

3rd Year

On Board Training Record Book for
Officers in Charge of a Navigational Watch
(Deck Cadets) by International Chamber
of Shipping (12 months) - Mandatory
Seagoing Training trips on Board



COURSE OUTLINE FOR OFFICER IN CHARGE OF AN ENGINEERING WATCH

The duration of the training program is three years. More specific the program is consisting of:

- Two (2) academic semesters.
- One year (12 months) mandatory seagoing training trips on board "TSAKOS" Group of Companies vessels.



COURSE TITLES PER SEMESTER

1st Year, 1st Semester

Mathematics, Basic Engineering Science,
Chemistry, Computers, Maritime English,
Basic Electrical Engineering,
Technology of Materials,
Fabrication and Repair,
Naval Architecture, Machinery Drawing

2nd year, 1st Semester

Operate Main Marine Machinery II,
Operate Auxiliary Marine Machinery II,
Maintenance and Repair of Shipboard machinery
and Equipment II,
Legislative Requirements - Maritime Law,
Electric Machines - Electrical Installations,
Maintenance and Repair of Electrical Equipment I

1st Year, 2nd Semester

Thermodynamics - Heat Transfer,
Mechanical Science, Basic Electronics,
Hand tools and Machine Tools,
Operate Main Marine Machinery I,
Operate Auxiliary Marine Machinery I,
Maintenance and Repair of Shipboard Machinery
and Equipment I

2nd Year, 2nd Semester

Marine Fuels, Operate Main Marine Machinery III,
Operate Auxiliary Marine Machinery III,
Basic Control Engineering,
Maintenance and Repair of Shipboard Machinery
and Equipment III,
Maintenance and Repair of Electrical Equipment II,
Engine Resource Management - Engine Room
Simulator

3rd Year

On Board Training Record Book for Officers in
Charge of an Engineering Watch (Engine Cadets)
by International Chamber of Shipping (12 months)
- Mandatory Seagoing Training trips on Board



COURSE OUTLINE FOR

ELECTRO-TECHNICAL OFFICERS (ETO)

The duration of the training program is two years. More specific the program is consisting of:

- Two (2) academic semesters, one academic semester at the first year and another academic semester at the second year.
- One year (12 months) mandatory seagoing training trips on board "TSAKOS" Group of Companies ships, divided in two trips (sandwich courses). The first mandatory seagoing training trip on board semester will be done after the end of first academic semester. The second mandatory seagoing training trip on board semester will be done after the end of second academic semester.



COURSE TITLES PER SEMESTER

1st Year, 1st Semester

Compulsory Introductory Training Week,
Mathematics, Basic Engineering for
Electrotechnical Officers,
Marine Engineering systems,
Technology of Digital electronics on Ships,
Maritime English for Electro-Technical
officers,
Marine Electro technology,
Electronics on Ships, Electrical Drawing,
Electrical installations on ships,
Maintenance and repair of electrical and
electronic systems on ships

1st Year, 2nd Semester

On Board Training Record Book for Electro-
Technical Officers (ETO Cadets) by International
Chamber of Shipping (6 months) - Mandatory
Seagoing Training trips on Board

2nd year, 1st Semester

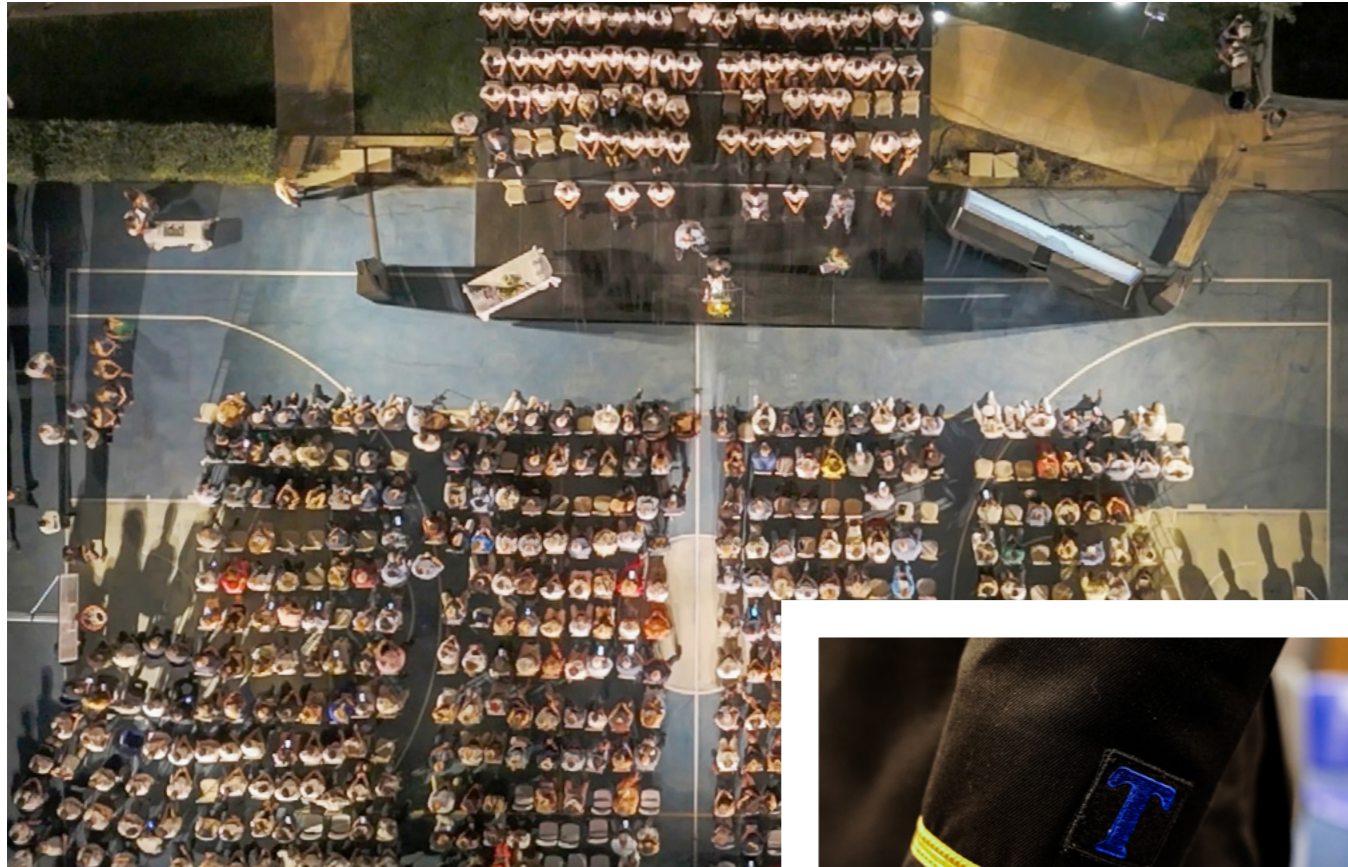
Marine control systems,
Technology of electrical motor drives on Ships,
High voltage marine engineering,
Operation of control systems of ship,
Technology of TCP/IP and Ethernet
networking on Ships,
Technology of computers at bridge and
engine room,
Technology of detection of faults,
Maintenance and repair of Electric Systems of Main
Propulsion - Auxiliary Machinery of ships,
Technology of Communications systems on ships,
Pollution prevention requirements - Leadership
and Teamwork

2nd Year, 2nd Semester

On Board Training Record Book for Electro-
Technical Officers (ETO Cadets) by International
Chamber of Shipping (6 months) - Mandatory
Seagoing Training trips on Board



Welcome to our Academy!
Where knowledge shapes
the future maritime leaders!



TRADITION | TEAMWORK | TRUST





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ΝΑΥΤΙΚΩΝ ΣΠΟΥΔΩΝ**

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