



Status Report

Program: Doctorate in Maritime Transport Technology

Maritime Postgraduate Studies Institute

Arab Academy for Science, Technology and Maritime Transport

2015

First: Maritime Postgraduate Studies Institute

Since its inception in 1972, as one of the Arab League affiliated organization, the Arab Academy for Science, Technology and Maritime Transport (AASTMT) has been providing educational and training services in a wide range of disciplines, sciences and technologies related to the maritime sector. Bachelor degree programs in both Maritime Transport and Marine Engineering together with courses leading to certificates of competency for deck officers, marine engineers, Electrical Technical Engineer and radio officers have been mastered by the Academy and constantly delivered serving a multinational body of students over the past thirty-five years.

In 1994, the Academy decided to launch higher postgraduate study programs to award High Diploma, Master Degree and Doctorate in the field of Maritime Transport and Technology. The Maritime Postgraduate Studies Department was established under the umbrella of the College of Maritime Transport and Technology.

During the last three decades and due to vast development was happening in the maritime fields, there was a significant need for a modern Maritime Postgraduate programs to keep pace with maritime industry trends and needs and to handle the responsibility of coping this rapid change happening in various maritime fields.

In 2014, the Maritime Postgraduate Studies Institute (MPI) has been established with a main target to assist the Arab and African countries and to satisfy their needs of a highly qualified national personnel.

Beside the wide varieties of maritime postgraduate programs provided by the Maritime Postgraduate Institute, a large number of unique Professional Development Courses are provided.

Our mission:

Our mission is to provide a highly professional Maritime Postgraduate Programs that assist individuals who are working in various sectors of the maritime industry to promote their academic and professional carrier. Also, assist countries of the Middle East region and Africa to fulfill their national needs of highly qualified national trained personnel and to create new generations of specialists and professionals in various maritime trends.

Our Vision

To become the pioneer maritime research center of the Arab Region and Africa specialized in maritime transport technology and development and providing highly advance studies matching with state of the art trends and development of the maritime

industry. Also looking forward to having much more cooperation and interaction with highly ranked and advanced postgraduate institutes worldwide.

Our goals:

- Providing advanced maritime studies for personnel at the middle and high management levels in various maritime sectors to develop their performance by helping them know how to adapt new techniques to facilitate their profession.
- Preparing qualified Arabian and African personnel who can cope with the accelerated development of the maritime industry and preparing them to be professional maritime management managers.
- Providing advanced and effective scientific solutions for the potential problems encountered in the maritime industry.
- Supporting the Arab and African maritime community to comply with the IMO requirements and implement new conventions and codes through the results coming out of the various scientific researches held in the institute.
- Assisting the international and regional maritime community to enrich the Arabian libraries by developing specialized maritime studies, project and scientific researches.

Our Programs:

The Maritime Postgraduate Studies Institute (MPI) provides the following programs in specializations of maritime transport technology:

- One-year High Professional Diploma
- Two years Master Degree
 - by courses and project
 - by courses and thesis
- Three years Doctorate program.

Second: Doctorate in Maritime Transport Technology (by research)

Program Structure:

Doctorate program consists of a total of (69) credit hours spread over minimum of six semesters. The first (elementary) semester includes three obligatory courses of total (9) credit hours. Second semester includes three obligatory courses with 3 credit hours each and (3) credit hours as research proposal seminar. (12) Credit hours should be registered in each of the rest 4 semesters as **Thesis Completion**.

At the end of the second semester, the candidate shall submit and defend a detailed proposal of his/her research program for evaluation.

Areas of Specialization:

Candidates can accomplish researches in one of the following research areas:

- Maritime Sciences and Maritime Education and Training (MET).
- Maritime Safety, Security and Protection of Marine Environment.
- Fleet Operations and Maritime Ports Management.
- Marine Hydrographic surveys
- International Transport and Logistics.

Program Aim:

Doctoral Program aims to provide a generation of distinguish researchers in the Arab and African regions who have the capacity of scientific and logical thinking and find realistic solutions to professional and technical problems. Researchers will have capacity for innovation, modernization and development of different areas in their work environment. The program also aims to enrich the Arabic library with specialized marine researches and make full use of them to enhance maritime and shipping industry at the national and regional bases.

However, the program aims to have a research base specializing in the areas of maritime transport technology, and contribute to the research activities of the International Maritime Organization.

Program Objectives:

- To develop the use of scientific research tools in order to expand scientific thinking and advanced technologies.
- Improve student's ability to professionally develop logical solutions in order to be able to trace and solve scientific problems.

- Increase the capacity of the student to use the means of scientific research on the electronic information network.

Program Outline:

First semester courses

No.	Code	Title	Cr. Hrs
1	MPI 801	Research methodology and applications	3
2	MPI 802	Statistical Data Analysis	3
3	MPI 803	Research Data Management	3

Second semester courses

No.	Code	Title	Cr. Hrs
1	MPI 804	Maritime Law and Policy	3
2	MPI 805	Maritime Economy	3
3	MPI 806	Maritime Technology Innovation	3
4	MPI 807	Proposal Seminar	3

In the middle of the program an additional seminar will be held as a continuous assessment for the development of the research.

At the end of the program the candidate shall defend his/her thesis during a final seminar in front of three examiners. In case a Doctorate candidate is unable to complete his/her research or submits his/her accepted final copy of the thesis as per scheduled in the program, an additional semester(s) will be added (3 credit hours) till the completion of the thesis

Academic Plan of the Doctorate Program

Semester	Course/Research Code	Credit Hours		method of evaluation
		Sem.	Course	
(Elementary) First	Elementary courses		9	Assessment
(Elementary)	Elementary courses +	3	9	Assessment

Second	Proposal Seminar (MPI 807)			
Third	Dissertation 1 (MPI 808)		12	Evaluation Report
Fourth	Dissertation 2 (MPI 809)		12	Evaluation Report
Fifth	Dissertation 3 (MPI 810)		12	Evaluation Report
Sixth	Dissertation 4 (MPI 811)		12	Evaluation Report
Credit Hours		3	66	
Total		69 Cr. Hrs		
Complementation Semester (MPI 812)		3		Complementation report

- **General Entry Requirements:**

- **Certificate of the higher Degree** or equivalent qualification and field.

In case of the students apart of the field, they have to attend and pass an intensive course related to the research field.

- Application for entry in 2016 (online form) on the following webpage:

(https://aastmtic2.aast.edu/PG_admission)

- **Approved & stamped Academic Transcript,**

- **Proficiency in the English language,**

A certified English language certificate has to be presented during the study, if the student intends to register in Arabic section study, they have to present a TOEFL exam score not less than 450 or IELTS score not less than 5 within a year of the registration.

Concerning English section study the student has to present a TOEFL international exam score not less than 500 or IELTS an academic score not less than 6 within a year of the registration.

- **ICDL computer License** also has to be achieved before final thesis presentation

- **Curriculum Vitae (C.V) with academic qualifications,** and relevant professional or other experience,

- Recommendation letter.

- **ID Copy**