

UN e-SEA

UNIVERSITÉ NUMÉRIQUE  
DES SCIENCES  
DE LA MER

TRAINING  
OFFER  
2017

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UNIVERSITÉ DE NANTES



## MASTER'S DEGREES



- ▶ PROJECT MANAGEMENT IN SUSTAINABLE ENERGIES : ENVIRONMENT – MARITIME ACTIVITIES – ENERGY
- ▶ MARITIME PUBLIC WORKS, MAINTENANCE
- ▶ LAW AND SAVETY OF COASTAL AND MARITIME ACTIVITIES
- ▶ SHIPPING-TRADING
- ▶ GEOGRAPHY AND MARITIME SPATIAL PLANNING
- ▶ RISKS AREAS MAPPING SYSTEM
- ▶ ECOSYSTEMS AND MARINE BIOPRODUCTION
- ▶ INTERNATIONAL RELATIONS AND HISTORY OF THE ATLANTIC WORLD
- ▶ MICROALGAE BIOPROCESS ENGINEERING

## SHORT TERM COURSES

*Short term courses are derived from the Master's teaching programme. They are provided independently from the Master's degree only within the framework of a partnership with another university or an employing organisation or operator dealing with the skills-building of managers, engineers, elected officials or local government employees in the field of maritime activity.*

*These training courses are based on autonomous education through distance learning techniques. In addition to this, exchange between trainees is set up by means of collaborative tools, virtual teaching, videoconferencing and face-to-face group meetings.*

### ■ There are 4 available formats :



#### **Focal Point :**

2 to 7 hours in which to appropriate a specific subject or method: - Either in complete self-learning or through virtual teaching supplemented by on-line documents.



#### **Practical :**

4 to 12 hours of training in how to design strategy, apply knowledge in a specific case and design one's own methodological tools in a work context; Self-reading and collaborative work on-line; Introduction, stage review and conclusion through virtual teaching.



#### **Panorama :**

around 15 hours of training: - Self-learning plus one half-day of virtual teaching.



#### **In-depth :**

20 to 40 hours of training: - Self-learning, interaction activities plus 1 to 2 days of virtual teaching, videoconferencing or group meetings; Hotline tutoring and discussion forum throughout the whole training period.



## GLOBAL APPROACH TO MARITIME ENVIRONMENT

Maritime Awareness



Maritime Transport and Port Systems



State Action at Sea: French Model



## MARITIME ENVIRONMENT ECONOMY AND MANAGEMENT OF MARITIME ACTIVITY

Environment Economy and Natural Resources



Industrial Maritime Economy



Transport Policy



International Markets



Tramping



Environmental Evaluation



Conducting Innovative Projects - Entrepreneurship



Risk Management in Aquaculture Companies



Post-traumatic Stress : Managing the Consequences of an Incident at Sea



## SHORT TERM COURSES



### SPECIFIC FEATURES OF COASTAL DEVELOPMENT: GEOGRAPHICAL APPROACH

Coastal Building: Pressure and Impact



Nature Conservation



Port Systems



Coastal Erosion



Coastal Oil Pollution



### SPECIFIC FEATURES OF COASTAL AND OFFSHORE DEVELOPMENT: PUBLIC WORKS

Tides, Swell and Port and Offshore Development



Marine Geo-technology, Seawalls and Geodetics



Metal Construction



Advanced Calculation



Geo-technology – specific and deep foundations



Port Development: Architecture and Infrastructure



Marine Construction Methods



Inspection and Maintenance of Constructions and



Structure Rehabilitation



# SHORT TERM COURSES



## SAFETY IN MARITIME ACTIVITY; REGULATION AND RESPONSIBILITY

	Prerequisite(s)	format	Specialisation Level	International Profile	Language
<b>LEVEL 1</b>					
International Conventions					
<b>LEVEL 2</b>					
Community Law in Maritime Transport					
Maritime Public Domain: Origins, Concept and Implications					
Private Maritime Law					
Coastal Law					
Maritime Safety: Vessel Regulations					
Port Access Regulations					
Erika, Prestige, Deepwater: New Jurisprudence					
Illegal Fishing : Definition, Regulation and Preventive Tools					
Pollution : Definition, Regulation and Preventive Tools					
Piracy: Definition, Regulation and Preventive Tools					
Marine Biodiversity Protection					
Maritime Labour Law					

## SHORT TERM COURSES



### SÉCURITÉ DES ACTIVITÉS MARITIMES, RÉGLEMENTATIONS, RESPONSABILITÉS (SUITE)

#### LEVEL 3

	Prerequisite(s)	format	Specialisation Level	International Profile	Language
Policing at Sea					
Rescuing Human Life at Sea: Organising Operations					
Accident at Sea: Identifying Responsibility					
Accident in Port: Identifying Responsibility					
Piracy: Prevention Planning					
Pollution: Prevention Planning					

### SPEAKING MARITIME IN FRANCE AND ABROAD

Technical Vessel English					
Speaking in French: Sea and Coast					
Civil and Off-shore Engineering: Communicate in English/French/Spanish					
Legal English: International Law Cases					

## CERTIFIED TRAININGS



Certified training amounts to intensive or semi-intensive courses which may be attended by everyone at their own pace over an average period of between 1 to 6 months. The number of hours of each course is carefully evaluated according to intended goals while allowing those in employment to maintain their professional activity during the training period.

Certified training can be modularized in accordance with the applicant's individual profile: refresher modules may be provided beforehand. In certain cases, the practical work during training may be adapted to focus on the specific professional environment of the trainee.

	Prerequisite(s)	Specialisation Level	International Profile	Language
Maritime Organisations: International Benchmarking				
Prevention of Environmental Risk Related to Maritime Activity				
Marine Works and Hydraulics				
Offshore and Port Infrastructures				
Ports Development: Space Organisation, Transport Facilities and Design				
Legal Consultancy and Maritime Activity				
Maritime Safety Referral				
Sea Piracy and Risk Management: From Prevention to Post-traumatic Stress				





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Le programme UN e-SEA  
est labellisé par le Pôle Mer  
Bretagne-Atlantique



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