

Masters Degree



Ships & Offshore Units Repair Technology



4th Edition



eLearning



Price: 3.000 euros



Credits: 60 ECTS



English language



Duration: 13 months



Starting date: 16th November 2022

Behind this project

This Master is associated with the branch of knowledge of Naval Engineering and Architecture and is the result of close collaboration between the University of Las Palmas de Gran Canarias (Ship Building Unit of the Mechanical Engineering Department) and (IME) Spanish Maritime Institute, pioneer and center of reference for quality training in the maritime field since 1984.

Why this Master is necessary

In a highly competitive market ship-repair specialization has become a key element in order to provide shipyards with a distinctive advantage.

Technological, environmental and safety optimization of ship maintenance and repair operations represent an important cost saving factor which the shipyard must pass on to the ship owner with the objective of maintaining client loyalty. This is achieved with highly qualified professionals who are able to offer a competitive advantage to the ship-repair yard in order to set themselves apart from their competitors.

The strategic positioning of the Canary Islands has allowed for positioning them as a leader of the naval repair industry expansion on the west coast of Africa and the central Atlantic for some time now, with special attention to offshore units by offering a wide range of services to:

- Transit vessels
- Cruise ships
- Ships and offshore units (AHTS / PSV)
- Ship repair yards or marine artifacts
- Oil platform owner/operators
- Export firms

The Canaries offer top notch maritime companies (from shipping companies to repair yards as well as workshops) staffed with important professionals with proven expertise.

The offshore naval repair sector in Las Palmas has received backing and incentive from the Canaries Islands Government, which has reached out to larger multinational companies with interests in the Island ports offering them marine industry and ship repair services.

With this in mind, the Islands naval repair sector possesses a strong growth factor and needs professionals with extensive qualified knowledge to deal with industry demanded jobs.

Course Objectives

The objective of this course is to obtain a comprehensive knowledge regarding technology and the repair of ships and offshore units with the finality of furthering the participant's career in the field of ship repair.

Development of the following skill set:

- To learn about the marine industry institution and obtain an understanding of its importance in the ship repair and the offshore industry sector
- To know maritime technology, as well as vessel technical characteristics
- To know and understand the importance of ship repair Project Management
- To study and analyze ship repair contracts as well as the legal and economic ramifications for repairers and their clients
- To acquire a thorough knowledge of the different phases and perspectives of the maritime repair process both for ships and offshore units (AHTS/PSV) as well
- To understand the offshore market through the study of vessels and units in regards to operation and contracting
- To know the procedure in the event of stranding of offshore units, as well as the exceptional situations in dry dock
- To analyze the offshore inspection process

Student Profile

This course is intended for Graduates in Naval Architecture / Marine Engineering, as well as undergraduates in Nautical and Maritime Transport who would like to further their professional career in the field of ship repair.

This program is also directed towards those professionals in the maritime sector working in ports or shipping companies and who want to obtain an in-depth knowledge of marine repair of ships and offshore units in technical as well as management areas. We also address professionals from ship-repair yards and the auxiliary industry.

Degree

The student who successfully completes this course will obtain a **Master's Degree in Ships and Offshore Units Repair Technology**, from Universidad de Las Palmas de Gran Canaria. This involves passing the three moduls of the program along with a final Dissertation and a trainee period in companies. When the sanitary situation does not allow on-site internships, this period will be replaced by on-line seminars.

Only one of the modules can be completed and by passing, students will obtain the following accreditation:

- University Certificate of **Expert in Shipping and Ship Repair** (*Module I*)
- University Certificate of **Expert in Ship Repair and Docking Process** (*Module II*)
- University Certificate of **Expert in Offshore Technology and Repair** (*Module III*)

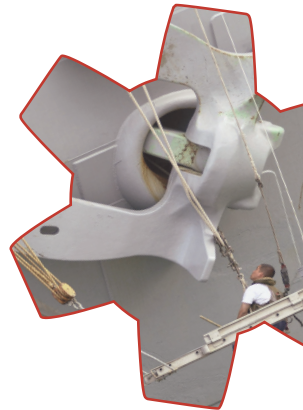
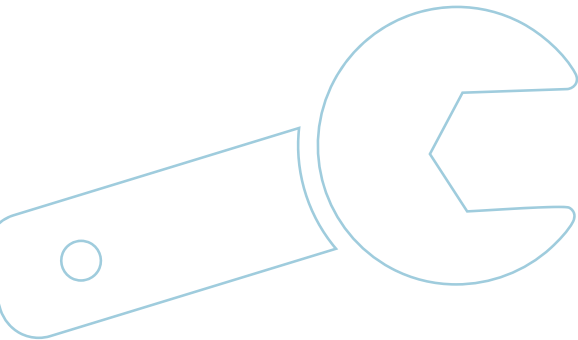
Registration requirements

The student must possess a current **Official University Degree** from present or previous regulations in order to register for this Master.

Please provide the following:

1. Completed admission application form (can be downloaded from the University website www.ulpgc.es/titulospropios)
2. Copy of the ID Card
3. Copy of the University Degree

To register for the Diploma of University Expert please note that requirements from the above list are also needed.



Program

MODULE I - SHIPPING INDUSTRY AND REPAIR. SHIP TECHNOLOGY AND PROJECT MANAGEMENT

- Shipping Business
- Newbuilding industry
- Shiprepair industry
- Shiprepair contractual and legal aspects
- Specifications
- Ship technology
- Project Management



A Certificate of
*University Expert in
Shipping and Ship Repair*
will be obtained upon completion of this module

MODULE II - REPAIR AND DOCKING PROCESS

- Shiprepair work and inspections
- Docking process
- Special docking situations
- Docking period
- Undocking



A Certificate of
*University Expert in
Ship repair and docking process*
will be obtained upon completion of this module

MODULE III - OFFSHORE TECHNOLOGY AND REPAIR

- Offshore units technical description
- Chartering and operations
- Offshore units docking process
- Offshore inspection



A Certificate of
*University Expert in
Offshore Technology and Repair*
will be obtained upon completion of this module

The Director of the Master reserves the right to assign the companies for the trainee period. The validation of the practical part assigned to the subjects will be possible, through the justification of professional experience linked to the contents subject to validation. Such experience will be accredited through working life, justification of tasks assigned to the position signed by the person in charge of the work team and / or Human Resources Director who prove that, in this position, the competences associated with the area subject to validation have been exercised. The decision is also subject to the direction of the Program.



Faculty

Course Director



Alba Martínez López

Naval Architect and a Marine Engineer from 2005. Master's degree of Maritime administration and Port management in 2010 and her PhD title in Marine Engineering (University of A Coruña) in 2012. Alba Martínez-Lopez is currently employed as an Associate Professor in the Naval architecture unit of Las Palmas de Gran Canaria University (Mechanical Engineering department) in Spain. She belongs to the economics of infrastructure and transport research group where she collaborates in national and international projects. She is accredited as an associate professor from 2012, by collaborating in docent tasks: Business Economics, Project Management and Manufacturing Organization, Logistics and transportation, Design and Projects of vessels. Previously she was working as an assistant professor in the Department of Naval Architecture of University of A Coruña (Spain) and in a Post-Doctoral position for the University of Southern Denmark (SDU) in Esbjerg.

Professors



Jesús Alarcón Prieto

Naval Architect from the Polytechnic University of Madrid. Managing Director of VB COMISARIOS DE AVERIAS until 2019. Division of Boluda Maritime Corporation. He has extensive experience in the teaching field, as well as in the maritime industry, both in the areas of inspections and repairs as well as in the field of insurance.



José Mª Alcántara

Maritime lawyer with 38 years of experience in construction and naval repair contracts. Arbitrator and Maritime Mediator. President and Mediator of the IMCAM Panel in London. Former Director and Member of the International Maritime Committee, former President of the Spanish Association of Maritime Law and the Spanish Association of Damage Adjusters. Arbiter for principal arbitration institutions.



Joaquín Andrés Bosqued

Degree in Marine Engineering from the Superior School of Navigation of Santander, Naval Technical Engineer in the specialties of Armament and Structures. He formed part of the Production and Commercial Departments of Canary Islands Shipyards (ASTICAN) and currently he is working as Head of the Business Development Unit and Offshore Manager of ASTICAN. He has extensive experience in ship repair; chiefly in repair project contract management in the offshore sector.



Carla Chawla

Naval Architect from the Polytechnic University of Ferrol (UDC). Master in Project Management from the EAE University of Barcelona, coupled with certification of Project Manager International (PMI), as well as several certifications within the maritime sector (Postgraduate in Design, Production and Inspection of Sports and Recreational Boats), Maritime Damage Commissioner, Master in Maritime Economics, Doctorate Studies, etc). Since 2007 her professional career has unfolded in the company NAVANTIA as part of several military ship projects for the Norwegian, Australian and Algerian Armed Forces. Until the end of 2017 she has carried out the functions of Engineering Project Manager of the AAOR project for the RAN (Royal Australian Navy), currently working as Project Manager in the business line of offshore wind energy.



Manuel Chica

Degree in Naval Technology Engineering in the specialized field of Marine Structures and Propulsion and Shipping Services by the ULPGC in addition to being a Naval Technical Engineer in the Specialties of Marine Structures and Propulsion. He possesses a Master's Degree in Industrial Technologies by the ULPGC. He has a degree in Industrial Organization Engineering from the ULPGC and several certifications within the maritime sector (Damages Commissioner, Port Facility Protection Officer, Regulatory inspection of pleasure craft, etc.). He is currently executing the Official Doctoral Program in Naval Engineering from the University of Coruña. He has extensive professional experience in the naval repair sector, carried out in the Port of Las Palmas. He is also an Associate professor at the University of Las Palmas de Gran Canaria.



Ubaldo Dégado Guillén

MSc. in Naval Architecture and Marine Engineering from ETSIN, UP University of Madrid. Management Development Program from IESE, University of Navarra. Executive Management Development Program (PDD) from ESADE Business School. PRL Master from ENAE Business School. BPM (Business Process Management) Master, UNIR. Project Manager Professional (PMP), Project Management Institute. Member of Connected Industry Group, ISA Spain. 28 years of experience both in Ship Repair and Ship Building, working for Sealand Serv. Inc., Armón Shipyards and Navantia S.A. (formerly EN Bazan) and becoming project manager, construction manager and Production, Outsourcing, Purchasing and Project Management Director. From 2005 to 2009 he was associated professor at ETSI Navales y Oceánicos, Polytechnic University of Cartagena (Murcia), and from 2017 is leading the digital transformation of the Operation Processes of Navantia S.A.



Francisco Fernández Arderius

Naval Architect with more than 35 years of experience in ship repair in various shipyards such as Spanish Shipyards, Union Naval Valencia and Naval Union Barcelona. He has been Founder and Executive President of Maritime Union Marseille, Europe's largest repair shipyard. Vice President of UNINAVE, Association of Spanish Shipbuilding and Naval Repair, as well as President of the Spanish Naval Repair Group in UNINAVE, Vice President of AWES-CESA, as well as President and Founder of the European SMRC Group-Ship Maintenance Repair and Conversion-.He has also worked in Executive Advice for the development of the repair in the Las Calderas shipyard, as well as in the promotion and study of a possible cruise ship shipyard in Santo Domingo.



Roberto José Hernández

Industrial Engineer from the University of Las Palmas de Gran Canaria and Advanced Degree in Occupational Risk Prevention. He is currently Director of Quality, Environment and R + D + I, as well as a Port Facility Protection Officer in the Canary Zamakonayards Group. He has extensive teaching experience and is at present Associate Professor at the University of Las Palmas de Gran Canarias in the Department of Mechanical Engineering, teaching in the field of Materials Science in various Engineering schools.



José Luis Inogés

Naval Architect by Universidad politécnica de Madrid. During his 10 years career at Navantia he has worked areas such as Production department at San Fernando shipyard, Engineering department at Bay of Cadiz production unit, Commercial division where he lead activities in countries such as South Africa, Algeria, Singapore, Peru, Colombia or Chile, other than supporting lots of other commercial initiatives. Today his position is Marketing Director from where he gives support to the business units of Naval Construction, Green Energies and Systems and Services. He also collaborates in teaching activities from different courses related to innovation and digital transformation.



Francisco de Manuel

Doctorate in Naval Engineering from the Polytechnic University of Madrid and Diploma in Business Studies from the National University of Distance Education. He has more than 10 years of experience in Maritime Logistics, Trading, Supply Chain, Purchasing and Contracting, as well as Consulting. He is currently Global Category Manager in Maritime Operations at Repsol Exploration. He has extensive experience teaching several courses and conferences, as well as research experience with the publication of his Doctoral Thesis as well as several technical articles.



Jorge Marijuan

A Naval and Offshore Engineer as well as an Industrial Organization Engineer from the Polytechnic University of Madrid as well as having a General Management Program (PDG) of IESE. As Managing Director of COAPROA he strengthened the purchasing department of Spain's private shipyards in 2006 by increasing the number of associates to 20. He later led the Finnish multinational Gs Hydro in Spain, France and Portugal, an international benchmark in design and installation of hydraulic projects in the offshore, naval, aeronautical and rail sectors. In 2014 he moved to Las Palmas de Gran Canarias as Commercial Director of ASTICAN and was promoted to the Industrial Director of the shipyard 2016, overseeing the supply and production areas.



Santiago Merino

Captain of the Merchant Navy and Bachelor of Civil Navy in Bridge specialty from the School of Nautical Sciences of Cádiz. He has several professional certifications within the maritime sector and has also been an officer in the Spanish Navy with the employment of Ensign of Frigate aboard ships supporting Diving Operations. Since 2014 is Head of Vetting E & P, REPSOL Trading. OVID Inspector with OVID (Offshore Units) and IMCA. He has more than 20 years of experience in international offshore (oil & gas), where has participated in several of its modalities: FPSOs, Height Trailer, Diving Support, Cablelaying, DP Operator, operations with ROVs, and has been Cargo Captain and Mono Buoy at the terminals of the CEPSA refineries in Huelva and Algeciras, Head of Operations and Manager of Logistics Bases of E&P in Africa.



Manuel Moreu

Phd. Naval Architect from the Polytechnic University of Madrid. Master of Science in Ocean Engineering, MIT. President of Seaplace. He has more than 20 years of experience in the development of offshore projects in the areas of hydrocarbon production; fixed and floating platforms, hydrocarbon exploration; drilling units of the semi-submersible and monohull type as well as auxiliary units such as cranes, shuttles, supplies, accommodation, research, etc.



Alfredo Pardo de Santayana

Phd. Naval Architect from the Polytechnic University of Madrid and Master in Business Administration from IESE, Barcelona. He has combined the academic world with the business world where he has held various senior management positions. President of ANAVE. Head of the Maritime Division of CEPSA. He has been an associate professor at ETSIN. Since 1990 he has taught in the Master's program in Business and Maritime Law organized by IME along with the Universidad Pontificia Comillas (ICADE). His professional activity is currently carried out in the IME where he has been the acting President since 2010.



Luis Santos

Naval Architect from the Polytechnic University of Madrid. Founding partner of ALTUM, Engineering and Services, naval technical office with great specialization in fishing vessel projects. He worked for 22 years at Astilleros de Huelva where he finished as General Manager, and where he participated in the design and building of more than 100 fishing vessels. Commissioner of Breakdowns by the College of Officers of the Spanish Merchant Navy. Co-author of the book "Fundamentos de pesca", published by Fondo Editorial de Ingeniería Naval and reference book in numerous schools and universities.



Daniel Santos

Naval Architect from the Polytechnic University of Madrid who holds a Master's Degree in Business Administration and Management from the Carlos III University of Madrid as well as several certifications within the maritime sector (Damages Commissioner, Company Officer for Ship Protection, ISM Auditor, etc.). In 2002 he co-founded the first Spin-Off of the Upper Technical School of Naval Engineers where a consultancy was created for aquaculture and fishing projects. In 2005 he joined the technical bureau and maritime consultancy ALTUM, Engineering and Services, collaborating with shipyards and shipping companies around the world in different technical projects. He presently serves as Project Manager and General Director and has extensive international experience, especially in Africa, where he has assisted Spanish ship owners in different projects (Senegal, Angola, Congo, Morocco, South Africa, etc.).



José Mª Soriano

Naval Architect with 28 years of experience in Newbuilding and Repair Shipyards. He has also worked for national shipowners Calvopesca (Technical Director 2001-2006), Boluda Lines (General Manager 2009-2011), FTapias México II (Operations Director 2014-2016), Balearia (Maintenance Director 2017-2018). Actually founder of European Naval Consulting, offering consultancy to shipyards and shipowners in Project Management.

Methodology and price



Format: eLearning
Online learning supplemented with hours of academic practices to be carried out in shipyards and/or auxiliary industry companies



Starting date: 16th November 2022



Price: € 3.000.
Fees for issuing Titles: €180.



Methodology:
Development of skills through study, completion of case studies and curricular practices



Course length: 13 months



Credits: 60 ECTS



English language

Application Information

Instituto Marítimo Español www.ime.es

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Deferred payment is available. Special conditions for groups and former alumni. Check conditions.

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