

International Master's Degree In Military Naval Engineering

VI Edition
2026



HMAS Canberra (L02), image courtesy of Navantia



Aimed at

Officers of the Allied and Friendly Armed Forces
Personnel linked to the Ministries of Defence of allied and friendly countries



Calendar

Face-to-face: January 26 – June 26 (6 months intensive afternoon classes 15:00 pm to 20:30 pm)
Online reinforcement classes and Master's Thesis: September 26 – November 26 (3 months)



Tuition fees

26.000 €

Includes: transportation and accommodation during the internship period at M. Defence facilities and daily food at the ETSIN on school days



Staff & Scientific Advisory





S81 Isaac Peral, image courtesy of Navantia

Program



Teaching load

90 credits, 750 teaching hours + study trips and internships + Master's Thesis



Stages

I

Principles of Shipbuilding and Design. Life Cycle. Warship Project. Systems Engineering. Principles of Naval Architecture. Auxiliary systems.

II

Naval Force: Strategy and Planning. Management and development of a Shipbuilding program. Propulsion systems. Accommodation and comfort on board. Electrical Engineering and Electrical Systems. Vessel Dynamics. Shipbuilding.

III

On-board electronics. Structural dynamics and vibrations. Combat Systems. Integrated Logistics Support. Naval equipment. New Technologies and R+D. On-board unmanned systems. Shipyard administration and construction cost control. Ship repairs and maintenance.



Innovative content

Digital SHIP
MBSE Model Based Systems Engineering
Fuel Cells - AIP - Engineering
Frigate Program 110
Submarine Certification
Integrated Logistics Support to Naval Programs
New Safety Requirements in the Military CNN
Decarbonization Roadmap at Military CNN
Cybersecurity
Integration of unmanned vehicles into command and control systems



Monitoring Committee

Admiral Director of Naval Education
Director of ETSIN - UPM
Director of the ETSIAN
Deputy Director of Studies at ETSIN



Internships at

Navy Arsenal
Navantia Training Center (Cádiz)
ETSIN Laboratories (CEHINAV Towing Tank & Virtual Reality Classroom)
CEHIPAR Towing Tank (El Pardo)
Siemens CESENA (Ferrol)
CESEDEN



Master's Headquarters

ETSIN - Avda. de la Memoria 4, 28040 Madrid



navales.etsin.upm.es



Contact

master.inm.navales@upm.es
relaciones.institucionales.navales@upm.es
director.navales@upm.es
Phone: +34 910 676 102, +34 910 676 108