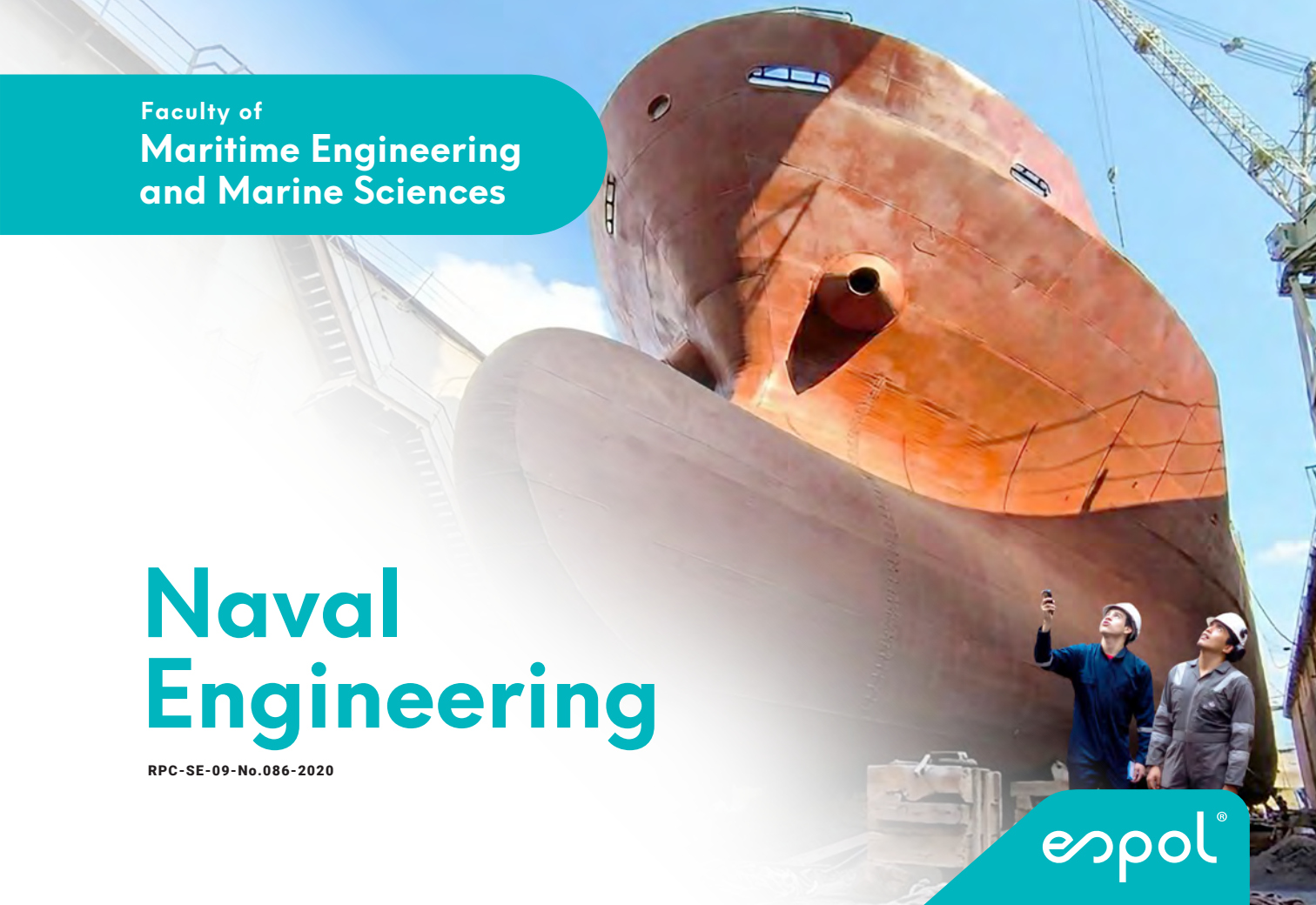




Faculty of
**Maritime Engineering
and Marine Sciences**

Naval Engineering

RPC-SE-09-No.086-2020

espol[®]

Bachelor of Science in Naval Engineering



Applicant Profile

The Naval Engineering program seeks students with an interest in:

- ▶ Applied mathematics and physics
- ▶ Ship design
- ▶ Maritime and port environments
- ▶ Technology and innovation
- ▶ Analytical thinking



Employability

Naval Engineering professionals may work in the maritime industry, including shipyards, ship design offices, ports, and maritime service companies, in positions such as:

- ▶ Heads of design and maintenance
- ▶ Maritime transport planners
- ▶ Marine supervisors
- ▶ Project managers
- ▶ Technical advisors



Professional Skills

After four years of training, students will be able to participate in ship and maritime systems projects, manage projects, contribute to the industrial sector, and maintain continuous learning in technology and naval research.



In fact...

Through the program's agreements, students have the valuable opportunity to complete company-based internships at prestigious companies and enrich their academic training through studies abroad.



LEARN MORE



Curriculum

N 100 - I	SINGLE VARIABLE CALCULUS	PHYSICS: MECHANICS	PROBLEM SOLVING	ARTS, SPORTS AND LANGUAGES ELECTIVE COURSES	GENERAL CHEMISTRY	ENGLISH I
N 100 - II	VECTOR CALCULUS	PHYSICS: ELECTRICITY AND MAGNETISM	PROGRAMMING FUNDAMENTALS	COMMUNICATION	MATERIALS IN MARINE ENVIRONMENTS	ENGLISH II
N 200 - I	DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA	NUMERICAL METHODS	STATISTICS	VECTOR MECHANICS		ENGLISH III
N 200 - II	THERMODYNAMICS	LINES PLAN AND SHIP HYDROSTATICS		SOLID MECHANICS	SUSTAINABILITY SCIENCE	ENGLISH IV
N 300 - I	MARINE MACHINERY I	SHIP STABILITY	FLUID MECHANICS	SHIP STRUCTURES	HUMANITIES ELECTIVE COURSES	ENGLISH V
N 300 - II	MARINE MACHINERY II	ELECTRICITY AND ELECTRONICS FOR SHIPS	SHIP RESISTANCE AND PROPULSION	MECHANICAL VIBRATIONS	FINITE ELEMENTS	COMMUNITY SERVICE INTERSHIPS
N 400 - I	SHIP METALLIC CONSTRUCTIONS	SHIP DESIGN	SHIP DYNAMICS	MARITIME AND PORT MANAGEMENT	ENTREPRENEURSHIP AND INNOVATION	SELECTED ELECTIVE COURSE
N 400 - II		NAVAL ENGINEERING CAPSTONE COURSE		MARITIME TRANSPORTATION		SELECTED ELECTIVE COURSE
						PRE-PROFESSIONAL BUSINESS INTERSHIPS



Accredited Program



Engineering
Accreditation
Commission



Did you know?

The Naval Engineering program provides students with the opportunity to develop professionally through international internships, collaborating in experimental tests for structural designs and engineering materials, or in hydrodynamic testing tanks at universities around the world.

www.fimcm.espol.edu.ec

www.admision.espol.edu.ec



International Relations

Through its External Relations Office, ESPOL promotes and develops partnerships with international cooperation organizations, academic institutions, and research centers. These partnerships create mobility opportunities for the entire ESPOL community and contribute to the excellence that distinguishes the institution.

More than 226 international agreements allow students to participate in experiences abroad, including semester or year-long exchange programs, pre-professional internships, research placements, and participation in conferences, competitions, and other academic activities.

163

universities
around the world

