

Manifesto of Studies for Naval Architecture and Marine Engineering degree

Class of Degrees in Industrial Engineering, Class N. L-9 A. A. 2026/27

Course Title	Module (if any)	ECTS	SSD	TAF	Prerequisite
I Year I semester					
<i>Mathematical Analysis I</i>		9	MATH-03/A ex MAT/05	A	
<i>Geometry and Algebra</i>		6	MATH-02/B ex MAT/03	A	
<i>Fundamentals of Computer Science</i>		6	IINF-05/A ex ING-INF/05	A	
<i>English Language</i>		3		E	
I Year II semester					
<i>Mathematical Analysis II</i>		9	MATH-03/A ex MAT/05	A	<i>Mathematical Analysis I</i>
<i>Chemistry</i>		9	CHEM-06/A ex CHIM/07	A	
<i>General Physics I</i>		6	PHYS-01/A ex FIS/01	A	
II Year I semester					
<i>General Physics II</i>		6	PHYS-01/A ex FIS/01	A	<i>General Physics I</i>
<i>Mathematical Physics and Models</i>		9	MATH-04/A ex MAT/07	A	<i>Mathematical Analysis I, Geometry and Algebra</i>
<i>Industrial Technical Drawing</i>		9	IIND-03/B ex ING-IND/15	B	
II Year II semester					
<i>Ship Construction Technology</i>		9	IIND-01/B ex ING-IND/02	B	
<i>Hydrodynamics</i>		9	CEAR-01/A ex ICAR/01	C	<i>Mathematical Physics and Models</i>
<i>Stability and Geometry of Ships</i>		9	IIND-01/A ex ING-IND/01	B	
<i>Mechanical Technology</i>		9	IIND-04/A ex ING-IND/16	B	
<i>Activities autonomously chosen by the student (**)</i>		0-6		D	
III Year I semester					
<i>Applied Thermodynamics</i>		9	IIND-07/A ex ING-IND/10	B	<i>Mathematical Analysis I</i>
<i>Electrotechnics and Complements</i>		9	IJET-01/A ex ING-IND/31	B	<i>General Physics II, Mathematical Analysis II</i>
<i>Structural Mechanics</i>		9	CEAR-06/A ex ICAR/08	C	<i>Mathematical Physics and Models, Mathematical Analysis II</i>
III Year II semester					
<i>Ship Structures</i>		9	IIND-01/B ex ING-IND/02	B	<i>Ship Construction Technology, Stability and Geometry of Ships, Structural Mechanics</i>
<i>Machines</i>		9	IIND-06/A ex ING-IND/08	B	<i>Applied Thermodynamics</i>

<i>Mechanics Applied to Machines</i>		9	IIND-02/A ex ING-IND/13	B	<i>Industrial Technical Drawing, Mathematical Physics and Models</i>
<i>Final test</i>		3		E	
III Year I o II semester					
<i>Additional Knowledge (*)</i>		3		F	
<i>Activities autonomously chosen by the student (**)</i>		12-6		D	

Type of Educational Activity (TAF), DM 270/04

A = Basic

B = Characterising

C = Related or Supplementary

D = At the student's choice

E = Final examination and language knowledge

F = Further training activities

(*) The training activities of art. 10 comma 5 D.M. 270/2004 (additional knowledge) can be acquired by the student, among other things, following seminars accredited by the CdS in Naval Architecture and Marine Engineering. In this case, the completion must be certified by obtaining a certificate signed by the teacher/s responsible for the seminar.

(**) The 12 CFU provided for in the manifesto for courses chosen by the student are divided between the second and third years. The choice between exams included in Table A results in the automatic approval of the study plan. In all other cases the student must submit a study plan to be approved by the CCD.

Table A – Suggested training activities chosen by the student (TAF D)

Course title	Semester	CFU	SSD	Mutua da	Prerequisites
Mathematical Models for Engineering (in English)		9	MATH-03/A ex MAT/05	LM Aerospace Eng.	
Fluid Dynamics		6	IIND-01/F ex ING-IND/06	L Mechanical Eng.	
Aerodynamics		9	IIND-01/C ex ING-IND/03	L Aerospace Eng.	
Industrial Logistics		9	IIND-05/A ex ING-IND/17	L Management Eng.	
Aerospace Materials Technologies		6	IIND-04/A ex ING-IND/16	L Aerospace Eng.	
Geometry of the Ship	II	6	IIND-01/A ex ING-IND/01	L NAME (Naval Architecture and Marine Engineering)	Mathematical Physics and Models, Stability and Geometry of Ships
Management of Complex Shipbuilding Contracts	II	6	IIND-01/B ex ING-IND/02	L NAME (Naval Architecture and Marine Engineering)	
Principles of Naval Dynamics and Plant Engineering	II	6	IIND-01/B ex ING-IND/02	L NAME (Naval Architecture and Marine Engineering)	To be chosen only at III year
Basic of Small Craft Design	I	6	IIND-01/A ex ING-IND/01	L NAME (Naval Architecture and Marine Engineering)	To be chosen only at III year