



**BACHELOR'S DEGREE IN MECHANICAL AND MANAGEMENT ENGINEERING  
DEGREE PROGRAMME 2024/2025**

Course contents are available at this [link](#)

**1<sup>st</sup> year**

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Mathematical Analysis 1	MAT/05	A	9	90
1	Chemistry	CHIM/07	A	6	60
1	Physics 1	FIS/01	A	8	80
2	Physics 2	FIS/01	A	7	70
2	Fundamentals of Computer Science	ING-INF/05	A	6	60
2	Geometry and Algebra	MAT/03	A	7	70
2	Materials Technology	ING-IND/22	C	6	60

**2<sup>nd</sup> year**

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Mathematical Analysis 2	MAT/05	A	8	80
1	Technical Drawing	ING-IND/15	B	9	90
	Integrated course: Applied Thermodynamics and Electrotechnics				
1	- Module: Applied Thermodynamics	ING-IND/11	C	6	60
1	- Module: Electrotechnics	ING-IND/31	C	6	60
2	Manufacturing Technology	ING-IND/16	B	9	90
<b>Curriculum Mechanical Engineering</b>					
2	Fluid Mechanics	ICAR/01	C	6	60
2	Construction Theory	ICAR/08	C	9	90
<b>Curriculum Management Engineering</b>					
	Integrated course: Essentials of Economics and Business Economics				
2	- Module: Essentials of Economics	SECS-P/06	C	3	30
2	- Module: Essentials of Business Economics	SECS-P/07	C	3	30
2	Principles of mechanical design	ING-IND/14	C	9	90



**3<sup>rd</sup> year**

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Applied Mechanics	ING-IND/13	B	9	90
2	Industrial Plants	ING-IND/17	B	9	90
2	Measurements in Fluid Machines	ING-IND/08	B	6	60
<b>Curriculum Mechanical Engineering</b>					
1	Fluid Machinery	ING-IND/08	B	9	90
1	Integrated course: Machine Components Design				
	- Module: Fundamentals of Machine Design	ING-IND/14	B	6	60
2	- Module: Machine Elements	ING-IND/14	B	6	60
2	Energy Systems	ING-IND/09	B	9	90
<b>Curriculum Management Engineering</b>					
1	Sustainable Energy Technologies and Systems	ING-IND/09	B	9	90
1	Integrated course: Production and logistics management				
	- Module: Production planning and control	ING-IND/16	B	6	60
2	- Module: Supply chain management	ING-IND/17	B	6	60
2	Sustainability of industrial investment projects	ING-IND/35	B	9	90

**Additional credits to be acquired**

Sem	Activity	SSD*	TAF*	Credits	h
	English Language Test <sup>1</sup>		E	3	
	Elective activities <sup>2</sup>		D	12	
	Other activities		F	3	
	Final Exam		E	6	

**TOTAL CREDITS 180**

- (1) The credits of European language level can be acquired:
- passing the English language test at B1 European level (CEFR) at Centro Linguistico d'Ateneo,
  - showing appropriate certification of B1 European level (CEFR) knowledge.
- (2) The elective activities must be consistent with the personal educational plan and they need approval by the Degree Programme Board.

**\*Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity