



BACHELOR'S DEGREE IN MECHANICAL ENGINEERING DEGREE PROGRAMME 2015/2016

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

1st year – 1st semester

Teaching course	SSD*	TAF*	Credits	h
Mathematical Analysis 1	MAT/05	A	9	90
Chemistry	CHIM/07	A	6	60
Physics 1	FIS/01	A	8	80
English Language Test ¹		E	3	
Total Credits 1 st year – 1 st semester			26	

1st year – 2nd semester

Teaching course	SSD	TAF	Credits	h
Integrated Course: Mathematics - Module: Mathematical Analysis 2 - Module: Geometry and Algebra	MAT/05	A	5	50
	MAT/03	A	7	70
Physics 2	FIS/01	A	7	70
Fundamentals of Computer Science	ING-INF/05	A	6	60
Total Credits 1 st year – 2 nd semester			25	

2nd year – 1st semester

Teaching course	SSD	TAF	Credits	h
Fundamentals of Machine Design	ING-IND/14	B	6	60
Applied Mathematics	MAT/08	A	6	60
Applied Mechanics	ING-IND/13	B	12	120
Manufacturing Technology –1 st part	ING-IND/16	B	6	60
Total Credits 2 nd year – 1 st semester			30	



2nd year – 2nd semester

Teaching course	SSD	TAF	Credits	h
Integrated Course: Thermofluid Dynamics - Module: Fluid Dynamics - Module: Applied Thermodynamics	ING-IND/08 ING-IND/08	C C	5 5	50 50
Technical Drawing	ING-IND/15	B	6	60
Electrotechnics	ING-IND/31	C	6	60
Manufacturing Technology –2 nd part	ING-IND/16	B	6	60
Computer Aided Design	ING-IND/15	F	3	30
Total Credits 2 nd year – 2 nd semester			31	

3rd year – 1st semester

Teaching course	SSD	TAF	Credits	h
Integrated Course: Machine Components Design - Module: Fundamentals of Machine Design	ING-IND/14	B	6	60
Fluid Machinery	ING-IND/08	B	8	80
Mechanical and Thermal Measurements	ING-IND/12	C	8	80
<i>One choice among:</i> Steam Generating Units Statistics for Engineers Materials Technology	ING-IND/09 ING-IND/16 ING-IND/22	C	6	60
Elective activities ²		D	6	60
Total Credits 3 rd year – 1 st semester			34	

3rd year – 2nd semester

Teaching course	SSD	TAF	Credits	h
Integrated Course: Machine Components Design - Module: Machine Elements	ING-IND/14	B	6	60
Mechanical Plants	ING-IND/17	B	8	80
Energy Systems	ING-IND/09	B	8	80
Elective activities ²		D	6	60
Final Exam		E	6	
Total Credits 3 rd year – 2 nd semester			34	



***Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity

- (1) The credits of European language level can be acquired:
- passing the English language test as part of the admission test,
 - 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.