



BACHELOR'S DEGREE IN CHEMICAL ENGINEERING

DEGREE PROGRAMME 2014/2015

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

1st 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	Integrated Course: Mathematics - Module: Mathematical Analysis 2	MAT/05	A	5	50
2	- Module: Geometry and Algebra	MAT/03	A	7	70
2	Physics 2	FIS/01	A	7	70
2	Fundamentals of Computer Science	ING-INF/05	A	6	60

2nd year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Chemistry 2	CHIM/07	A	9	90
1	Fundamentals of Machine Design	ING-IND/14	B	6	60
1	Applied Mathematics	MAT/08	A	6	60
1	Chemical Thermodynamic	ING-IND/24	B	9	90
2	Electrotechnics	ING-IND/31	C	6	60
2	Fundamental of Transport Phenomena	ING-IND/24	B	9	90
2	Chemical Reaction Engineering	ING-IND/24	B	9	90
2	Applied Chemistry and Technology	ING-IND/22	B	9	90

3rd year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Chemical Plant Design	ING-IND/25	B	9	90
1	Fluid Machinery and Energy Systems	ING-IND/09	C	9	90
1	Fluid Mechanics	ICAR/01	C	9	90
2	Reliability and Safety in the Process Industry	ING-IND/25	B	6	60
2	Instrumentation and Control	ING-IND/26	B	9	90



Additional credits to be acquired

Sem	Activity	SSD*	TAF*	Credits	Ore
	English Language Test ¹		E	3	
	Elective activities ²		D	12	
	Other activities		F	3	
	Internship		F	6	
	Final Exam		E	3	

TOTAL CREDITS 180

(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.

***Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity