



**BACHELOR'S DEGREE IN CHEMICAL ENGINEERING  
DEGREE PROGRAMME 2022/2023**

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 1	CHIM/07	A	9	90
1	Chemistry Laboratory	CHIM/07	F	3	30
2	Physics 1	FIS/01	A	8	80
2	Fundamentals of Computer Science	ING-INF/05	A	6	60
2	Geometry and Algebra	MAT/03	A	7	70
2	Introduction to Chemical Engineering	ING-IND/24	F	3	30

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

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Mathematical Analysis 2	MAT/05	A	8	80
1	Chemistry 2	CHIM/07	A	6	60
1	Physics 2	FIS/01	A	7	70
2	Chemical Thermodynamic	ING-IND/24	B	9	90
2	Electrotechnics	ING-IND/31	C	6	60
2	Fluid Mechanics	ICAR/01	C	9	90
2	Fundamentals of Mass, Energy and Momentum Transport	ING-IND/24	B	6	60

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

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Applied Mathematics	MAT/08	A	6	60
1	Construction Theory	ICAR/08	C	6	60
1	Sustainable Energy Technologies and Systems	ING-IND/09	B	9	90
1-2	Applied Chemistry and Technology	ING-IND/22	B	12	120
2	Chemical Plant Design	ING-IND/25	B	9	90
2	Chemical Reaction Engineering	ING-IND/24	B	9	90
2	Instrumentation and Control	ING-IND/26	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