



## BACHELOR'S DEGREE IN CHEMICAL ENGINEERING

### DEGREE PROGRAMME 2015/2016

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

#### 1<sup>st</sup> year – 1<sup>st</sup> 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 <sup>1</sup>		E	3	
Total Credits 1 <sup>st</sup> year – 1 <sup>st</sup> semester			26	

#### 1<sup>st</sup> year – 2<sup>nd</sup> semester

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

#### 2<sup>nd</sup> year – 1<sup>st</sup> semester

Teaching course	SSD	TAF	Credits	h
Chemistry 2	CHIM/07	A	9	90
Fundamentals of Machine Design	ING-IND/14	B	6	60
Applied Mathematics	MAT/08	A	6	60
Chemical Thermodynamic	ING-IND/24	B	9	90
Total Credits 2 <sup>nd</sup> year – 1 <sup>st</sup> semester			30	

#### 2<sup>nd</sup> year – 2<sup>nd</sup> semester

Teaching course	SSD	TAF	Credits	h
Electrotechnics	ING-IND/31	C	6	60
Fundamental of Transport Phenomena	ING-IND/24	B	9	90
Chemical Reaction Engineering	ING-IND/24	B	9	90
Applied Chemistry and Technology	ING-IND/22	B	9	90
Total Credits 2 <sup>nd</sup> year – 2 <sup>nd</sup> semester			33	



**3<sup>rd</sup> year – 1<sup>st</sup> semester**

Teaching course	SSD	TAF	Credits	h
Chemical Plant Design	ING-IND/25	B	9	90
Fluid Machinery and Energy Systems	ING-IND/09	C	9	90
Fluid Mechanics	ICAR/01	C	9	90
Other activities		F	3	30
Elective activities <sup>2</sup>		D	6	60
Total Credits 3 <sup>rd</sup> year – 1 <sup>st</sup> semester			36	

**3<sup>rd</sup> year – 2<sup>nd</sup> semester**

Teaching course	SSD	TAF	Credits	h
Reliability and Safety in the Process Industry	ING-IND/25	B	6	60
Instrumentation and Control	ING-IND/26	B	9	90
Elective activities <sup>2</sup>		D	6	60
Internship		F	6	
Final Exam		E	3	
Total Credits 3 <sup>rd</sup> year – 2 <sup>nd</sup> semester			30	

**Total credits 180**

**\*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.