Academic plan of study (Degree of Chemistry)

First year

Annual subjects

Course	Credits	Туре		
Mathematics (*)	12	Basic		
First semester				
Course			Credits	Туре
General chemist	ry I		6	Basic
Basic laboratory	operatio	ns I (*)	6	Basic
General physics	I		6	Basic
Crystallography	, mineral	ogy and geochemistry (*)	6	Basic

Second semester

Course	Credits	Туре
General chemistry II (*)	6	Basic
Basic laboratory operations II	6	Basic
General physics II	6	Basic
Biology	6	Basic

Second year

Annual subjects

Course	Credits Typ	De		
Chemical engineering	9 Obl	igatory		
First semester				
Course		Credi	its Type	
Analytical chemistry I	(*)	6	Obligatory	
Physical chemistry I		6	Obligatory	
Organic chemistry I		6	Obligatory	
Electromagnetic prope	erties of matt	er 3	Obligatory	
Inorganic chemistry I		6	Obligatory	
Second semester				
Course		Cre	dits Type	
Analytical chemistry i	nstruments I	(*) 6	Obligatory	
Physical chemistry II		6	Obligatory	
Lab of inorganic chem	istry I	6	Obligatory	
Lab of organic chemis	try (*)	6	Obligatory	

Third year

First semester

Course	Credits	Туре		
Analytical chemistry instruments II	6	Obligatory		
Atomic - molecular structure and spectroscopy (*)	6	Obligatory		
Organic chemistry II (*)	6	Obligatory		
Inorganic Chemistry II (*)	6	Obligatory		
Lab of inorganic chemistry II (*)	6	Obligatory		
Second semester				
Course			Credits	Туре
Lab of analytical chemistry (*)			6	Obligatory
Lab of physical chemistry			6	Obligatory
Synthesis and Structural Determination of Organic	c Compo	unds Lab (*)	6	Obligatory
Preparation and implementation of projects			6	Obligatory
Optional 1			6	Optional

Fourth year

First semester

Course	Cr	edi	ts Type	
Materials science	6		Obligatory	
Optional 2	6		Optional	
Optional 3	6		Optional	
Optional 4	6		Optional	
Optional 5	6		Optional	
Second semester				
Course			Туре	
Biochemistry (*)		9	Obligatory	
Optional 6		6	Optional	
Degree final projects 15 Obligatory				
Optional subjects				
Annual subjects				
Name of the subject Credits				
External practices	5	12		
First semester				

Course

Chemical analysis of biological and environmental samples (*)	6
Analysis of the olive oil and other components of the Mediterranean diet (*)	6
Technology of olive oil	6
Applied vibrational spectroscopy	6
Applied physical chemistry (*)	6
Bioinorganic chemistry (*)	6
Inorganic chemistry of natural systems (*)	6
Chemistry of heterocyclic compounds	6

Second semester

Course	Credits
Quality management. Implementation in a test laboratory (*)	6
Environmental physical chemistry (*)	6
Radiochemistry	6
Chemistry of natural products (*)	6
Design of organic synthesis (*)	6

Foreign students are allowed, if included in their study contract, to take up to a maximum of 24 credits by performing some academically directed work. To see the rules that regulate this kind of activities, click <u>here</u>.

(*) Courses with support in English.

For the syllabus of the courses in English or with support in English click <u>here</u>.

For the syllabus of all courses click \underline{here} .