













**BACHELOR'S DEGREE IN CHEMISTRY***1st Year*

Code	Course	ECTS Credits	Semester
5263	Mechanics and Thermodynamics	6	Fall
5264	Mathematics I	6	Fall
5265	General Chemistry I	9	Fall
5266	Basic Laboratory Operations	9	Fall
 5267	Electromagnetism, Quantum Physics and Optics	9	Spring
5268	Mathematics II	6	Spring
 5269	General Chemistry II	9	Spring
 5270	Biology	6	Spring

2nd Year

Code	Course	ECTS Credits	Semester
5271	Organic Chemistry I	6	Fall
5272	Analytic Chemistry	6	Fall
 5273	Inorganic Chemistry I	5	Fall
 5274	Physical Chemistry I: Quantum Mechanic	3	Fall
5275	Physical Chemistry II: Spectroscopy and Statistical Thermodynamics	6	Fall
 5276	Inorganic Chemistry Laboratory	4.4	Fall
5277	Organic Chemistry II	6	Spring
5278	Instrumental Analysis	6	Spring
 5279	Inorganic Chemistry II	6	Spring
5280	Physical Chemistry III: Chemical Thermodynamics	6	Spring
5281	Numerical Analysis and Applied Statistics	6	Spring

3rd Year

Code	Course	ECTS Credits	Semester
 5282	Organic Chemistry II: Organic Synthesis	6	Fall
5283	Separation Techniques in Analytical Chemistry	3	Fall
 5284	Physical Chemistry Laboratory	4.4	Fall
5285	Physical Chemistry IV: Chemical Kinetics	4.5	Fall
5286	Chemical Engineering I	6	Fall
5287	Biochemistry	6	Fall
 5288	Organic Chemistry Laboratory	6	Spring
5289	Chemometrics and Experimentation in Analytical Chemistry	6	Spring
 5290	Inorganic Chemistry III	3	Spring
 5291	Structural Methods in Inorganic Chemistry	6	Spring



5292	Chemical Engineering II	6	Spring
5293	Advanced Instrumental Analysis	3	Spring

4th Year

Code	Course	ECTS Credits	Semester
5294	Materials Science	6	Fall
5295	Projects in Chemistry	6	Fall
5298	External Internships	12	Spring
5297	Final Degree's Project	18	Spring

OPTIONAL COURSES (select 18 credits)

Code	Course	ECTS Credits	Semester
6294	Multivariate Methods and Process Analytical Technology	6	Fall
6295	Introduction to Nanotechnology	3	Fall
6296	Renewable Energies	3	Fall
6297	Perspectives in Organic Chemistry	6	Fall
6298	Environmental Chemistry	6	Fall
6299	Organometallic and Bioinorganic Chemistry	6	Fall
6300	Software Tools in Chemistry	3	Fall
6301	Chemistry Applied to Life Sciences	3	Fall

IMPORTANT INFORMATION

English Friendly Courses.
<ul style="list-style-type: none">• Fall Semester = 1^o Semester• Spring Semester = 2^o Semester
Elective courses require a minimum of students and could change the semester.
Final Degree's Project and External Internships may need special requirements.