



In the Master's degree in Chemical Engineering, you learn to come up with solutions for problems related to processes and product technology. Education and research are closely integrated within this Master's program, which helps you stay abreast of the latest developments within the discipline. You become familiar with all the latest tools and technologies used by chemical engineers. You can define a personal study program that satisfies your own wishes and preferences.

As a chemical engineer you will be able to come up with technical solutions for problems and issues related to process and product technology. Finding these solutions, chemical engineers work closely with experts from other specializations, taking into account the related economic, social, environmental and ethical aspects. Find more information about the degree [here](#).

Distribution of credits

Compulsory courses	Optional courses	Final Master's Thesis	Total ECTS Credits
64.50	43.50	12.00	120.00

First year*

Compulsory courses	Optional courses	Total ECTS Credits
60.50	00.00	60.00

Compulsory courses

Code	Course Name	Term	ECTS Credits
33467	Mechanical design and monitoring of equipment and installations	A	4.5
33466	Cold and heat installations	A	4.5
33465	Hydraulic systems in the chemical industry	A	4.5
33468	Advanced design of reactors I	A	4.5
33470	Advanced operation of separation	A	6
33473	Business management	A	6
33464	Risk and safety analysis in the industry	B	4.5
33469	Advanced design of reactors II	B	4.5
33472	Science and technology of polymers	B	6
33471	Modeling, simulation and optimization of chemical processes	B	4.5
33474	Environmental quality management	B	6
33476	Decision making and ethic	B	4.5
Total			60

Second year*

Compulsory courses	Optional courses	Final Master's Thesis	Total ECTS Credits
4.50	43.50	12.00	60.00

Compulsory courses

Code	Course Name	Term	ECTS Credits
33475	Project management	A	4.50
		Total	4.50

Please find more information about the elective courses offered at this program [here](#).

Master's Thesis (Compulsory courses)

Code	Course Name	Term	ECTS Credits
33476	Final Master's Thesis	B	12
		Total	12

**Language of tuition will be Spanish*