Program Name: Analytical Chemistry

Program Description:

This specialty offers the possibility of obtaining an advanced training in the Sciences of analyzes and separations by ensuring a range of interdisciplinary qualifications which give better possibilities in academic and professional careers. With this training it will be possible to analyze and separate mixtures in order to identify unknown components or obtain a pure product.

Semester 1 Teaching unit	
fundamental teaching units	Chromatographic instrumentation
	Statistics and chemometrics
	Spectroscopic Methods I
	Chromatographic methods I
Methodology TU	Sampling and analysis methods
	Separation methods
transverse TU	Material characterization methods I
	English
Semester 2 Teaching unit	
fundamental teaching units	Spectroscopy and imaging instruments I
	Chromatographic Methods II
	Sample preparation
	Environment-related analyzes I
Methodology TU	Spectroscopic manipulations
	Chromatographic manipulations
transverse TU	Material Characterization Methods II
	English
Semester 3 Teaching unit	
fundamental teaching units	Spectrometry and imaging instruments II
	Environment-related analyzes II
	Electrochemical analysis techniques
	Business organization and management
Methodology TU	Applied numerical methods
	Personal documentary research work
transverse TU	Health and food safety
	Environmental aspects
Semester 4 Teaching unit	Internship in a company sanctioned by a master dissertation