

## Program Name: chemistry materials

### Program Description:

At the end of this training, students who have obtained a master's degree in materials chemistry can pursue doctoral studies, given the knowledge they have acquired. They can also integrate the industrial sector in various fields of materials such as cement works, steelmaking, the ceramics industry, the chemical and mineral industry, the development of materials within the framework of applied research.

Semester 1 Teaching unit	
fundamental teaching units	Transfer phenomena
	Materials
	Physico-chemical properties of materials
	Quantum Chemistry 1
	Coordination chemistry
	Surface chemistry
Methodology TU	Physico-chemical properties of materials
	Computer programming
transverse TU	English
Discovery TU	Relations between the university and the socio-economic sector
Semester 2 Teaching unit	
fundamental teaching units	Polymers and composites
	Minerals, glasses and ceramics
	organometallic
	Material characterization methods
	Metallurgy and corrosion
Methodology TU	Surface chemistry
	Spectroscopy
Discovery	Business Management
transverse TU	English

Semester 3 Teaching unit	
fundamental teaching units	Spectrometry and imaging instruments II
	Initiation to research
	Characterization method materials 2
Methodology TU	Applied numerical methods
	Personal bibliographic research work
Transversal TU	English
discovery TU	Civil right
Semester 4 Teaching unit	Internship in a company sanctioned by a master dissertation