

# **FORENSIC CHEMISTRY**

## **DEGREE TYPE UPON GRADUATION**

Master's Degree

## **DURATION**

2 years (4 semesters)

## **TEACHING LANGUAGE**

Romanian

## **ECTS POINTS**

120

## **PROGRAMME DESCRIPTIO**

The Forensic Chemistry degree programme is based on the applications of chemistry in forensic science and deepens the knowledge acquired during undergraduate studies in chemistry. For graduates with a bachelor's degree in other fields, the programme is an opportunity to broaden the knowledge acquired during undergraduate studies.

## **TUITION**

EU citizens: 3500 RON (approx. € 700)

Non-EU citizens: € 2430

## **ENTRY REQUIREMENTS**

Bachelor Diploma

## **REASONS TO CHOOSE THIS PROGRAMME**

- Multiple employment opportunities;
- International study and/or internship mobilities;
- Internships in laboratories and specialized companies.

## **CAREER OPPORTUNITIES**

- doctoral studies
- industrial laboratories, product quality control, monitoring and evaluation of environmental pollutants, medical analysis, customs,

forensic science, sanitary police inspectorates and preventive medicine

- research laboratories at home and abroad
- companies producing and distributing equipment, medicines, foodstuff and chemicals
- secondary or university education

## PROGRAMME DETAILS

1 <sup>st</sup> YEAR					
I <sup>st</sup> SEMESTER			II <sup>nd</sup> SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Advanced Analytical Chemistry	6	E	The Science of Separation and Concentration of Evidence	6	E
Inorganic Chemistry with Applications in Forensics	6	E	Nanomaterials and Advanced Materials	7	E
Organic Chemistry with Applications in Forensics	6	E	Criminal Law - Special Part	4	E
Complementary Physics in Forensics	5	E	Specialized Practice	3	C
Ethics and Academic Integrity	3	C	Investigation of the Traces of Explosions, Fires and Industrial Events/ Pharmaceuticals, Narcotics, Psychotropic Substances, Precursors	6	E
Forensic and Criminological Psychology/ Protection of Human Rights in Domestic and International Law	4	E	Forensic Genetics/ Genetics and Microbiology	4	C

\* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

II <sup>nd</sup> YEAR					
I <sup>st</sup> SEMESTER			II <sup>nd</sup> SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Microanalysis Techniques and Methods Applied in Forensic Research	7	E	Radiometric and Radiochemical Analysis Methods in Forensic Investigation	7	E
Chemometrics Applied in Forensic Research	5	E	Bioforensics	7	E
Elements of Criminal Procedure	4	E	Specialised Practical Activities	8	E
Forensic Trace and Identification	4	E	Elaboration of the Dissertation	8	C
Complementary	6	E	Dissertation Defense *	10	E

Morphostructural Investigation Techniques / Imaging Techniques Used in Forensic Science					
Toxicology/ Haematological Biomarkers	4	E			

\* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

\* V = test taken in the last two weeks of the semester (about 10% of the final grade)

\* C = test taken in the last two weeks of the semester (about 30% of the final grade)

\* E = exam taken during the exam period (at least 50% of the final grade)