

ANALYTICAL TOXICOLOGY *

Modality: technological

Completion: minimum: 3 years; maximum: 6 years

Shift: evening**

Vacancies: 20

1st year – 1st semester	
Course	Workload (hours)
Introduction to Laboratories	30
Introduction to Toxicology	30
General and Inorganic Chemistry	60
Anatomy	60
Organic Chemistry	45
Methods in Organic Chemistry	30
Cell and Tissue Biology	60
Reading and Text Interpretation in English I	30
1st year – 2nd semester	
Course	Workload (hours)
Biochemistry	75
Biostatistics	30
Microbiology	45
Analytical Chemistry	60
Animal Facility Management and Laboratory Animal Care	30
Physiology	60
Methods in Molecular Biology	30
Reading and Text Interpretation in English II	30
2nd year – 1st semester	
Course	Workload (hours)
Pharmacology	90
Instrumental Analysis	90
Pathology	30
General Toxicology	45
Epidemiology	30
Sample Collection and Preparation	30
Forensic Aspects of Toxicology	30
Genetics	30
2nd year – 2nd semester	
Course	Workload (hours)
Biochemistry and Genetic Toxicology	60
Immunotoxicology	45
Waste Management	30
Environmental Toxicology	45
Toxinology	30
Metrology	30
Health Sociology and Anthropology	30
Toxicological Analysis	45
Food Toxicology	30
Optional Course I	30
3rd year – 1st semester	
Course	Workload (hours)
Social Toxicology	45
Bioethics	30
Clinical Toxicology	60
Legislation Applied to Toxicology	30

Scientific Methodology	30
Occupational Toxicology	45
Laboratory Quality Control	45
Laboratory Management	30
Optional Course II	30
3rd year – 2nd semester	
Course	Workload (hours)
Internship I	270
Internship II	270
Total Required Workload (hours)	2,340

* Curriculum approved in 2015.

** Evening-shift programs might have activities during the day, including on Saturdays.