



FACULDADE DE FARMÁCIA Universidade de Lisboa





The pharmacist's mission is constantly evolving and growing.

Here, we prepare pharmacists for the **21**st century.

Welcome to the Faculty of Pharmacy of the Universidade de Lisboa.



Choosing FFUL.

A Master's degree at FFUL offers unique and significant advantages for students who want to further their education in the pharmaceutical field:

Opportunity to learn from experienced and recognised teachers and researchers in various areas of pharmaceutical sciences.

Academic Recognition

FFUL is internationally recognised for its academic excellence and research. In the most recent update of the Shanghai Ranking, it is in 1st place in the area of Pharmaceutical Sciences in Portugal.

(https://www.shanghairanking.com/)

Qualified Teaching Staff

Diversified Training Offer

Excellence in Research

One of FFUL's missions is to support and encourage scientific research, as well as the practical training of students. This dedication creates a favourable environment for the development of innovative research projects, promoting the research of the future. The Master's programmes offer a variety of disciplines and areas of specialisation, allowing students to tailor their training according to their interests and professional goals.



CHOOSE YOUR MASTER'S DEGREE.

Laboratory Medicine

6

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Advance Cosmetology

Biopharmaceutical Sciences

8

Pharmaceutical Engineering

Food Quality and Health Medicinal and Biopharmaceutical ¹⁰ Chemistry

Regulation and Evaluation of Medicines and Health Products

Laboratory Medicine

LISBOA UNVERSIDADE

The MAC is a cycle of studies that prepares, from a theoretical and practical point of view, senior technicians in the different scientific areas of Laboratory Medicine, based on the EFLM Syllabus, a course that supports postgraduate education for Specialists in Laboratory Medicine from the European Federation of Clinical Chemistry and Laboratory Medicine. The fourmonth curricular internship in prestigious laboratories complements learning and adds value to the student's experience in the labour market.

Study Plan

Year	Semester	Curricular Subject	ECTS
	1	Clinical Biochemistry I	6
	1	Human Molecular Genetics	6
	1	Clinical and Laboratory Immunology	6
	1	Analytical Methods	5
1	1	General Pathology and Laboratory Semiology	6
	2	Clinical Bacteriology	6
	2	Clinical Biochemistry II	6
	2	Hematology I	6
	2	Hematology II	7
	2	Clinical Micology	6
	1	Laboratory Quality Management	4
	1	Immunohematology and Clinical Immunohemotherapy	6
2	1	Clinical Parasitology	5
2	1	Clinical Virology	6
	1	Seminar	8
	2	Master Thesis	30
	2	Laboratory Internship	30
	2	Project	30

COORDINATION
Maria Cristina Marques
REGIME
After-work
DURATION
2 academic years / 4 semesters
TEACHING LANGUAGE
Portuguese
CAREER OPPORTUNITIES
Clinical Analysis Laboratories hospitals
Public Health Laboratories
Immunohemotherapy services

Advance Cosmetology

The Master's degree covers an overview of cosmetic products, from regulatory aspects to the development, production, control and counselling of all categories of cosmetics. This is a highly complex technicalscientific sector that involves researchers, manufacturers, users and regulatory bodies with an impact on health.

Study Plan

Year	Semester	Curricular Subject	ECTS
	1	Introduction to Cosmetic Science	6
	1	Introduction to Scientific Research	4
	1	Cosmetics Product Regulation	6
	1	Safety and Efficacy	6
	1	Technology and Development of Cosmetics	8
	2	Skin Care Products	6
	2	Cosmetics for Specific Personal Care	6
	2	Analytical Methodologies	4
	2	Haircare and Personal Hygiene Products	6
	2	Translational Project	4
	2	Seminary I	4
2	Annual	Dissertation	56
	1	Seminar II	4

COORDINATION Helena Margarida Ribeiro Joana Marto

REGIME Blended-learning

DURATION 2 academic years / 4 semesters

TEACHING LANGUAGE Portuguese

CAREER OPPORTUNITIES

- Development, formulation and production of cosmetics
- Production and quality control
- Counselling
- Regulatory matters in the field of cosmetology
- Clinical testing and instrumentation
- Research
- Distribution
 - Teaching



Biopharmaceutical Sciences



The course offers a practical and multidisciplinary approach to the discovery of biomarkers, targets and therapeutic strategies for human diseases. It prepares you for a career in the academy or industry in areas of biomedical and biopharmaceutical innovation.

Study Plan

Year	Semester	Curricular Subject	ECTS
1	1	Scientific Writing and Communication	6
	1	Option I*	24
	2	Experimental Design in Research and Innovation	6
	2	Option II*	24
2	1	Seminars	2
	1	Dissertation	58

*The student must choose 6 optional courses in each semester, to make up 24 ECTS in the 1st year/1st semester and 24 ECTS in the 1st year/2nd semester, totalling 48 optional ECTS required to complete the degree. coordination Cecília M. P. Rodrigues

<mark>regime</mark> After-work

DURATION 2 academic years / 4 semesters

TEACHING LANGUAGE Portuguese / English

CAREER OPPORTUNITIES

- (Bio)pharmaceutical industry
- Biotechnology companies
- Health systems
- Research (industry and academy)

Pharmaceutical Engineering





This course aims to train professionals in Pharmaceutical Engineering for national and international industry, with strong skills in using the most modern tools for designing and operating manufacturing processes, management and verification of the quality of active substances, medicines and health products throughout their life cycle.

The MEF is a joint initiative between FFUL and IST.

Study Plan

Year	Semester	Curricular Subject	ECTS
	1	Bioengineering and Biopharmaceutical Products	6
	1	Industrial Pharmaceutical Technology I	6
	1	Chemical Engineering Sciences	6
	1	Manufacturing Sciences and Technologies I	6
1	1	Pharmaceutical Sciences	6
1	2	Pharmacokinetics in the Development of Medicines	6
	2	Pharmaceutical Engineering I	6
	2	Manufacturing Sciences and Technologies II	6
	2	Industrial Phamacotechnology II	6
	2	Quality Management Systems I	6
2	1	Pharmaceutical Engineering II	6
	1	Quality Management Systems II	6
	1	Active Pharmaceutical Ingredients (Api): Synthesis and Analysis	6
	1	Pharmaceutical Facilities Design	12
	2	Dissertation	30

COORDINATION António Almeida (FFUL) Ana Margarida de Azevedo (IST)

REGIME Daytime

DURATION 2 academic years / 4 semesters

TEACHING LANGUAGE Portuguese / English

CAREER OPPORTUNITIES

- Pharmaceutical industry producing APIs and formulating finished products
- Biopharmaceutical companies
- Regulatory bodies of pharmaceutical activity
- Medical device companies
- Hospital companies and health systems in general



Food Quality And Health



This course aims to train professionals with the skills to respond effectively to food quality and safety issues, identify the compounds in food that promote or prevent the development of chronic diseases, and the interactions between food or food supplements and medicines. In short, the impact of food on health.

Study Plan

Year	Semester	Curricular Subject	ECTS
	1	Bromathology	4
	1	Microbiological Contaminants in Food	4
	Annual	Integrated Laboratory Practices	9
	1	Food Toxicology	5,5
1	1	Option I	4
	2	Risk Analysis in Food Safety	4,5
	2	Technological Process and Quality Systems in Food Industries	5
	2	Project	4
	2	Option II	4
2	Annual	Scientific Dissertation	52
	Annual	Seminars	8

COORDINATION Maria Eduardo Figueira

REGIME Daytime

DURATION 2 academic years / 4 semesters

TEACHING LANGUAGE Portuguese

CAREER OPPORTUNITIES

- Food industry: production, quality control, HACCP, development of new foods
- Pharmaceutical industry: food supplements, interactions with medicines, interactions between food and medicines
- Risk assessment

Medicinal and Biopharmaceutical Chemistry

UISBOA UNVERSIDATE

The Master's degree addresses the development of new therapeutic agents based on their mechanisms of action and the molecular targets involved. It provides advanced training aimed at entry into the pharmaceutical industry, particularly in areas related to the development of new drugs, or into academia.

Study Plan

Year	Semester	Curricular Subject	ECTS
	1	Drug Design	6
	1	Principles of Drug Discovery	5
	1	Introduction to Drug Synthesis	5
	1	Analytical Tools for Small Molecules	5
	1	Molecular Modeling	4
1	1	Natural Products in Drug Discovery	5
	2	Bioconjugation and Biodrugs	5
	2	Drug Stability	5
	2	Targeting identification and diagnostics	5
	2	Advanced Topics in Drug Synthesis	6
	2	Advanced Topics in Drug Discovery	6
	2	Option	3
2	Annual	Dissertation	56
	1	Seminar	4

COORDINATION Maria José Umbelino Ferreira REGIME After-work DURATION 2 academic years / 4 semesters **TEACHING LANGUAGE** Portuguese / English **CAREER OPPORTUNITIES** Pharmaceutical industry: development of new drugs **Quality control Biotech companies** • Healthcare facilities Research: academy or research •

institutes

Regulation and Evaluation of Medicines and Health Products



The field of pharmaceutical regulation is involved from the moment a medicine is developed until it is approved to be placed on the market. With this training you will be able to work in the pharmaceutical industry, in regulatory agencies and even in research.

Study Plan

'ear	Semester	Curricular Subject	ECTS
	1	Introduction to Medicines Regulation	6
	1	Veterinary Medicines	5
	1	Policy and Economics of Medicines	6
	1	Quality of Medicines I	6
	1	Quality of Medicines II	7
	2	Clinical Trials	7
1	2	Pharmacotoxicology	7
	2	Industrial Organization and Patents	2
	2	Health Products	2
	2	Seminar I	2
	2	Seminar II	2
	2	Option I	4
	2	Option II	4
2	Annual	Dissertation	60

COORDINATION Maria Beatriz da Silva Lima Carla de Matos Torre

REGIME After-work

DURATION 2 academic years / 4 semesters

TEACHING LANGUAGE Portuguese / English

CAREER OPPORTUNITIES

- Regulatory areas: EMA, INFARMED, Ordem dos Farmacêuticos
- Drug development (through molecules)
- Development of biotechnological medicines
- Research & regulatory departments of pharmaceutical industries
- Research



FFUL is the Faculty you want to study at.

FFUL stands out for several factors that make it unique. In addition to offering advanced research resources, FFUL maintains collaborations with the pharmaceutical industry and health institutions, which translate into practical and relevant opportunities in the pharmaceutical sciences labour market.

Accreditations and Partners





FFUL is the Faculty you want to study at.

www.ff.ulisboa.pt

FACULDADE DE FARMÁCIA

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