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FFUL Integrated Master's in Pharmaceutical Sciences (MICF) is accredited by the Higher Education Assessment and Accreditation Agency (A3ES) and the Ordem dos Farmacêuticos.

FFUL's Integrated Master's in Pharmaceutical Sciences allows you to become a pharmacist in Europe.

*(European Directive 2013/55/EC: Pharmacist as a Health Agent).*

# I

## GOALS

Performance of all the activities included in the Pharmaceutical Act related to:

- ◆ Medicines for human and veterinary use and medical devices, including design, development, manufacture, quality control, registration, selection, acquisition, storage, dispensing, information, use, monitoring and surveillance and the provision of pharmaceutical care;
- ◆ Collection of biological products, execution and interpretation of clinical analyses;
- ◆ Toxicological, hydrological and bromatological analyses;
- ◆ Health promotion education for the community.

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LISBOA  
UNIVERSIDADE  
DE LISBOA



# INTEGRATED MASTER PHARMACEUTICAL SCIENCES

## PROFESSIONAL OPPORTUNITIES

- ◆ Community Pharmacy
- ◆ Hospital Pharmacy (hospital units, military and prison pharmacies)
- ◆ Pharmaceutical, Cosmetic, Food and Chemical Industry
- ◆ Pharmaceutical Distribution
- ◆ Regulatory Affairs
- ◆ Pharmaceutical Marketing
- ◆ Clinical Analyses
- ◆ Toxicological, Hydrological and Bromatological Analyses
- ◆ Education
- ◆ Research



# C

# F

# CURRICULUM

1 <sup>st</sup> sem.	Credits / Curricular unit
5	Human Anatomy
7	Cell Biology
5	Introduction to Pharmaceutical Sciences
6	Mathematics
7	General Chemistry
2 <sup>nd</sup> sem.	Credits / Curricular unit
6	Biochemistry I
6	Histology and Embriology
4	History of Pharmacy and Therapeutics
7	Analytical Chemistry
7	Physical Chemistry

1 <sup>st</sup> sem.	Credits / Curricular unit
7	Biochemistry II
5	Immunology
6	Physics
6	Química Orgânica I
6	Instrumental Analysis
2 <sup>nd</sup> sem.	Credits / Curricular unit
7	Bacteriology
4	Biostatistics
5	Molecular Biology
6	Human Physiology
6	Organic Chemistry II
2	Seminary I – Discovery to Use of Medicines



3<sup>RD</sup>  
YEAR

Credits / Curricular unit	1 <sup>st</sup> sem.
7	Pharmaceutics
5	Pathophysiology
5	Pharmacognosy
5	Pharmacology I
3	Hematology
5	Micology / Parasitology
2 <sup>nd</sup> sem.	Credits / Curricular unit
7	Pharmacology II
7	Pharmaceutical Chemistry I
6	Pharmaceutical Technology I
5	Virology
2	Seminary II – Pharmaceutics and Society
3	Option I

1<sup>ST</sup>  
YEAR

2<sup>ND</sup>  
YEAR

4<sup>TH</sup>  
YEAR



Credits / Curricular unit	1 <sup>st</sup> sem.
6	Pharmaceutical Biotechnology
4	Bromatology and Food Technology
6	Pharmacokinetics and Biopharmaceutics
7	Pharmaceutical Chemistry II
7	Pharmaceutical Technology II
2 <sup>nd</sup> sem.	Credits / Curricular unit
5	Clinical Biochemistry
6	Toxicology
5	Pharmacotherapy I
4	Public Health
7	Pharmaceutical Technology III
3	Option II



Tel.: +351 217 946 400  
Email: academicos@ff.ulisboa.pt

## APPLICATIONS

- ◆ National Access Call
  - ◆ Have passed a secondary education course or a legally equivalent qualification
  - ◆ Have taken the entrance exams required by FFUL and have a classification in these exams equal to or higher than the minimum classifications required\*
  - ◆ Meet prerequisite B (Interpersonal communication)
  - ◆ Entrance exams: Biology and Geology (B) | Physics and Chemistry (Q)
- ◆ Special Admission Call For International Students
- ◆ Special Access Call
  - ◆ Readmission
  - ◆ Holders of Other Higher Education Degrees
  - ◆ Older than 23
  - ◆ Course Change

\*Minimum marks: Entrance exams: 95 points  
Application grade: 95 points



www.ff.ulisboa.pt



## CURRICULAR PLAN

Duration: 10 semesters (5 years) ◆  
ECTS: 300 ◆

Nine semesters of multidisciplinary training + one semester of professional internship with the completion and public discussion of a monograph.

Completion of the first six semesters (180 ECTS) confers the degree of Licenciatura in Basic Studies in Pharmaceutical Sciences.

Regime: Daytime ◆

5<sup>TH</sup>  
YEAR

Credits / Curricular unit	1 <sup>st</sup> sem.
5	Deontology and Pharmaceutical Legislation
5	Pharmacotherapy II
4	Pharmacy Laboratory
4	Risk Management of Medicines and Health Products
6	Pharmacy Practice
3	Option III
3	Option IV
2 <sup>nd</sup> sem.	Credits / Curricular unit
30	Internship

Address:  
Avenida Professor Gama Pinto  
1649-003 Lisboa  
Portugal