

Welcome to

C

Chemistry

U
LISBOA

M.Sc.

CHEMISTRY

Plan Your Future

11 MAIO 2021
15,00 - 16,00 h

JMF NOGUEIRA
(COORDENADOR)

DIA dos **MESTRADOS**

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1

TWELVE REASONS YOU SHOULD STUDY AN M.Sc.

- 1) ACCESS TO MORE PROFESSIONAL TOOLS AND RESOURCES
- 2) ADMISSION TO BETTER JOB OPENINGS
- 3) GREATER RECOGNITION IN THE ACADEMIC AND PROFESSIONAL ENVIRONMENT
- 4) BETTER ABILITY TO APPLY RESEARCH AND WORK TECHNIQUES AND TECHNOLOGIES
- 5) MORE SKILLS TO WORK AS A TEAM
- 6) FURTHER DEVELOPMENT OF CRITICAL REASONING
- 7) POSSIBILITY TO TEACH AND ENTER THE 3RD CYCLE OF STUDIES
- 8) MORE PROFESSIONAL CONTACTS
- 9) GREATER SPECIALIZATION IN A GIVEN AREA
- 10) GREATER ACCEPTANCE TO STUDY OR WORK ABROAD
- 11) IMPROVEMENT OF REMUNERATION
- 12) NEW VISION OF SCIENCE, THE ACADEMIC AND BUSINESS WORLD

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2

ULISBOA'S WORLD POSITION

□ <https://www.topuniversities.com/university-rankings/world-university-rankings/2020>

- THE "UNIVERSITY OF LISBON" (ULISBOA) IS THE LARGEST AND MOST PRESTIGIOUS PORTUGUESE UNIVERSITY, AND A MAJOR EUROPEAN UNIVERSITY."
- "ULISBOA HAS 18 SCHOOLS AND OVER 100 RESEARCH UNITS, AROUND 50,000 STUDENTS, 4,000 LECTURERS, 2,500 NON-ACADEMIC STAFF AND 400 DEGREE COURSES. IT IS A MAJOR CENTRE FOR TEACHING, RESEARCH, INNOVATION, SPORTS, CULTURE AND ART."

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LISBOA
UNIVERSIDADE
DE LISBOA



TOP RANKED UNIVERSITIES IN THE WORLD (2020)	RANK # (1,000)
University of Lisbon	338
University of Porto	353
University of Coimbra	406
New University of Lisbon	421
University of Aveiro	551-560
University of Minho	651-700

3

COORDINATION




➤ Coordinator: **J.M.F. Nogueira** (nogueira@fc.ul.pt)




➤ Co-coordinator: **Susana Santos** (smsantos@ciencias.ulisboa.pt)


4

PEDAGOGICAL COMMISSION







➤ J.M.F. Nogueira



➤ Susana Santos



➤ Student representative - 1st year




➤ Student representative - 2nd year

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5

BRANCHES AVAILABLE (2021-22)



MSc Degree in Chemistry

Chemistry

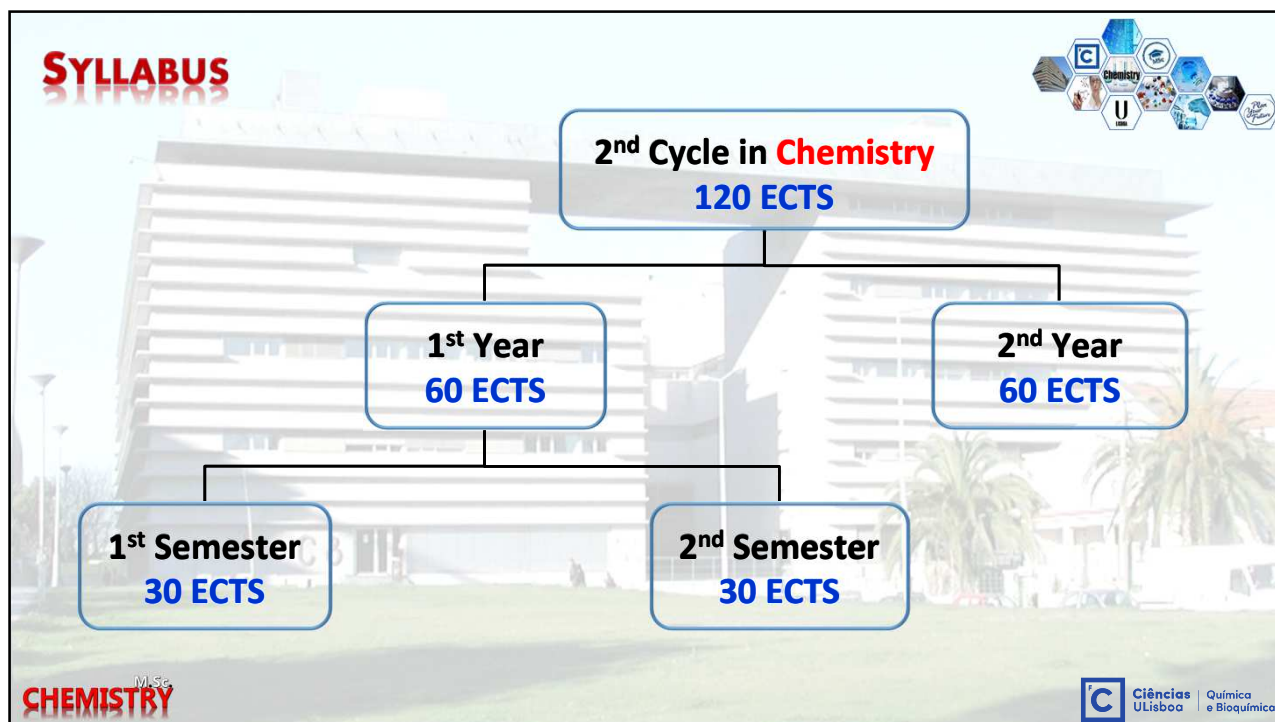
Analytical Chemistry

30 (+ 5) Vagas

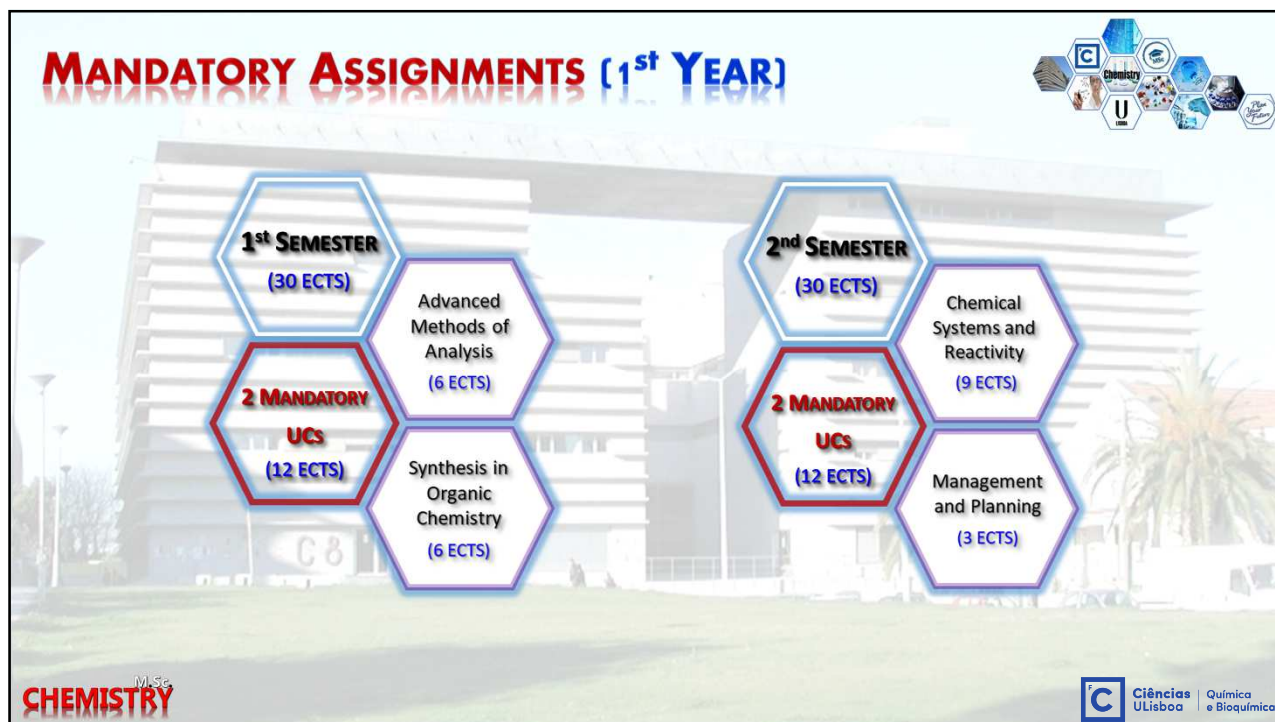
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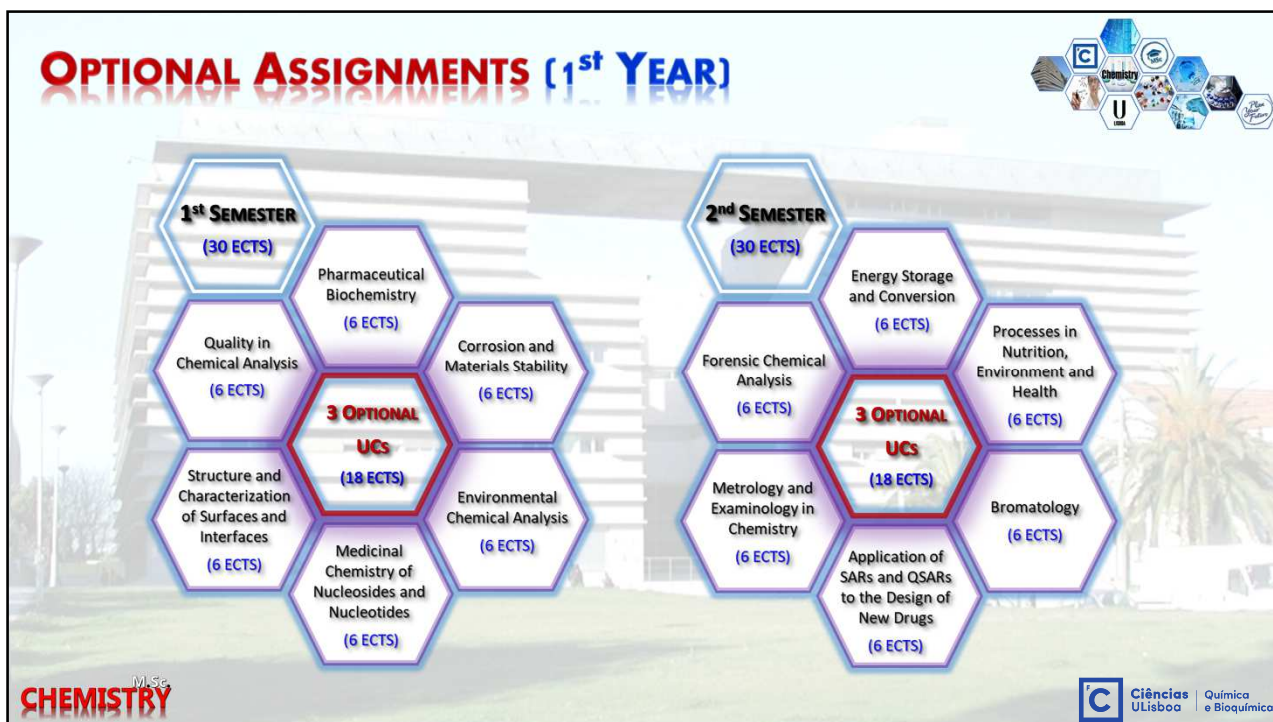
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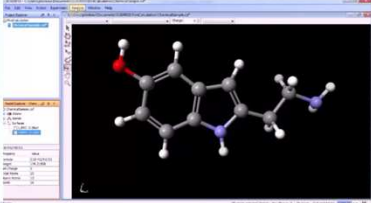




10




DISSERTATION PROJECT @ FCUL (2nd YEAR)



➤ Computational Chemistry ➤ Analytical Chemistry ➤ Electrochemistry

➤ Synthetic Chemistry ➤ Physical-Chemistry ➤ Solid State Chemistry







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11

DISSERTATION PROJECT OUT FCUL (2nd YEAR)

- ✓ Food
- ✓ Environment
- ✓ Energy
- ✓ Pharmaceutical
- ✓ Phytochemistry
- ✓ Forensic
- ✓ Biochemistry

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12

TEACHING STAFF

- ✓ Adsorption
- ✓ Kinetics Chemistry
- ✓ Electrochemistry
- ✓ Analytical Chemistry
- ✓ Solid State Chemistry/Materials
- ✓ Physical-Chemistry
- ✓ Inorganic Chemistry/Catalysis
- ✓ Organic Chemistry
- ✓ Computational Chemistry
- ✓ Biochemistry

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13

EMPLOYABILITY

Chemical and petrochemical industry | **Phytochemical industry** | Pharmaceutical and cosmetics industry | **Food industry** | Analytical and quality control laboratories | **Forensic toxicology and criminal investigation laboratories** | Environmental control laboratories | **Food security and defense laboratories** | Service, auditing and consulting companies | **Scientific instrumentation trading companies** | Higher education and research institutions | **Scientific investigation**

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14

COMPLEMENTARY INFORMATION



- <https://fenix.ciencias.ulisboa.pt/degrees/quimica-564500436615419>
- <http://mestradoemquimica.edu.ciencias.ulisboa.pt/>
- Diário da República, 2.ª série - N.º 167 - 31 de agosto de 2016
- Diário da República, 2.ª série - N.º 203 - 20 de outubro de 2017
- Guia académico de Ciências 2017/2018

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15

EMERGING CHEMISTRY TRENDS



□ According to reputable experts in Chemistry, researchers should pay attention to these topics for **2019-20**:

- 1. Machine Learning**
 - ✓ Computational Chemistry
- 2. Battery Technology**
 - ✓ Electrochemistry
- 3. Microplastic Pollution**
 - ✓ Analytical Chemistry
- 4. Green Chemistry**
 - ✓ Synthesis
- 5. Gut Bacteria**
 - ✓ Biochemistry
- 6. Artificial Intelligence**

FUTURE
NEXT EXIT →

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16

YOU CAN BE ANYTHING YOU WANT @ CIÊNCIAS!



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17

ALUMNI TESTIMONIALS




Duarte Clemente
(1st Year Student)



Oriana Gonçalves
(2nd Year Student)



Bernardo Raimundo
(2nd Year Student)



Rita Lopes
(2nd Year Student)

FCT Fundação para a Ciência e a Tecnologia

Nova NOVA SCHOOL OF SCIENCE & TECHNOLOGY

Fundação Champalimaud Ciências ULisboa | Química e Bioquímica

FUNDACÃO JACQUELINE DIAS DE SOUSA

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18

