Bachelor • Lisboa

ENVIRONMENTAL ENGINEERING

Direction

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Secretariat

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Duration

3 Years

Credits

180 ects

Exams

Have one of the following sets:

- 02 Biologia e Geologia and 19 Matemática A
- 07 Física e Química and 19 Matemática A

Presentation

Environmental Engineering is currently a growing area of activity that needs competent professionals capable of identifying/studying complex environmental situations, using a holistic and integrative approach, supported by basic sciences (chemistry, biology, physics, mathematics, among others) combined with a technological intervention in engineering areas, to contribute to a more sustainable society. The degree (1st Cycle) in Environmental Engineering at Lusofona University began in 1993 and currently, with almost 30 years of history, has a curricular plan aimed at current problems and challenges, focusing on a strong laboratory and basic science component and In addition to producing graduates with a very high degree of employability (about 90%, according to 2019 data), the course is intended to be stimulating, interesting and motivating for students, leading them to acquire scientific and essential techniques for professional practice and/or the pursuit of master's or doctoral studies, not neglecting transversal skills in terms of integral human training, ethics and professional deontology. The completion of the 1st Cycle in Environmental Engineering, structured in accordance with the Bologna Declaration, has a normal duration of 3 years (6 semesters, 180 ECTS) grants a degree in Environmental

STUDY PLAN

1st Year / Comon Core

1º Semestre	ects	2º Semestre	ects
Algebra	5	Calculus II	5
Calculus I	5	Chemistry II	5
Chemistry I	5	Construction Drawing	5
General and Applied Geology	5	Microbiology	5
General Biology	5	Physics	5
Introduction to Environmental Engineering	5	Programming	5

2nd Year / Comon Core

1º Semestre	ects	2º Semestre	ects
Air Pollution	5	Analytical Chemistry	5
General Ecology	5	Differential Equations	5
Hydrology	5	Eco-Economy	5
Probabilities and Statistics	5	Fluid Mechanics	5
Soil Science	5	Geographic Information Systems	5
Thermodynamics	5	Organic Chemistry	5

3rd Year / Comon Core

1º Semestre	ects	2º Semestre	ects
Analytical Quantification of Environmental Parameters	5	Hydraulics I	5
Climatology	5	Option I	5
Ecotoxicology	5	Option II	5
Environmental Energetics	5	Project in Environmental Engineering	5
Foundations of Environmental Impact Assessment	5	Soil Pollution	5
Water Pollution	5	Waste Management	5