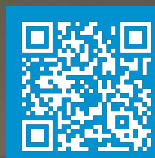


Bachelor • Lisboa

ELECTROTECHNICAL ENGINEERING



Direction

João Canto
joao.canto@ulusofona.pt

Exams

Have the following set:

- 07 Física e Química and 16 Matemática

Secretariat

Natalia Raileanu
engbioamb@crm.ulusofona.pt

Duration

3 Years

Credits

180 ects

Presentation

The Degree in Electrotechnical Engineering, of Lusófona University, is a programme that has a solid scientific foundation in Mathematics, Physics and Computer Science. The study plan approaches the latest subjects in science and technology, such as Robotics and Automation, Power Systems, and Telecommunications. This is a programme turned to the future, that trains professionals with the skills to act in a plethora of areas and, as such, with high demand and employability. Our graduates may also apply to the Order of Engineers or the Order of Technical Engineers, according to their established rules. The course has a strong laboratorial component, which allied to a solid theoretical framework, allows one to acquire critical thinking and advanced problem-solving skills. In face of the international demand, for these skills, besides a class functioning in Portuguese language, the programme will also have a class functioning in English language.

STUDY PLAN

1st Year / Common Core

1º Semestre	ects	2º Semestre	ects
Algebra	5	C Programming	6
Calculus I	5	Calculus II	5
Digital Systems	7	Circuit Analysis	6
Instrumentation and Measurements	6	Microprocessor Basics	6
Introduction to Electrotechnical Engineering	4	Physics	7
Introduction to Robotics	3		

2nd Year / Common Core

1º Semestre	ects	2º Semestre	ects
Calculus III	5	Computational Mathematics	6.5
Electromagnetism I	7	Data Acquisition and Processing	6.5
Electronics I	6.5	Electromagnetism II	5.5
Probabilities and Statistics	5	Electronics II	6.5
Signals and Systems	6.5	Operational Research	5

3rd Year / Common Core

1º Semestre	ects	2º Semestre	ects
Automatic Control I	6	Automatic Control II	6
Microelectronics	6	Power Electronics	6

3rd Year / Energy and Power

1º Semestre	ects	2º Semestre	ects
Electrical Energy Systems	6	Electrical Machines II	6
Electrical Machines I	6	Power Installations and Electrical Devices	6
Project on Energy and Power I	6	Project on Energy and Power II	6

3rd Year / Telecommunications

1º Semestre	ects	2º Semestre	ects
Fundamentals of Telecommunications	6	Data Communication and Networks	6
Operating Systems	6	Telecommunication Project II	6
Telecommunication Project I	6	Telecommunications Systems	6

Linha direta
para o teu futuro



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