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Polytechnic Institute of Coimbra (P COIMBRA 02)  
Coimbra Institute of Engineering - ISEC  
Mathematics and Physics Department

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ECTS CATALOGUE

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The main language of instruction at Coimbra Institute of Engineering is Portuguese. However, some courses from degree and master programs can be offered in English and/or with a tutorial support in English.

The ECTS catalogue includes subject' contents in English Language. The Students can choose subjects from this Catalogue to the study plan proposal (Learning Agreement) to be analyzed carefully by the Departmental Coordinators and to be adjusted, after student's arrival, if necessary.

This ECTS catalogue contains information which is valid for this academic year. ISEC reserves the right to adjust the courses offered during the academic year and is not responsible for typing errors or printing mistakes.

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ECTS CATALOGUE

## BACHELOR – Biomedical Engineering

Code	Title - Portuguese	Title - English	ECTS	Term
<b>1.º ano / 1<sup>st</sup> Year</b>				
913301	Cálculo I	Calculus I	6.5	Winter
913302	Álgebra Linear e Geometria Analítica	<a href="#">Linear Algebra and Analytic Geometry</a>	6	Winter
913303	Química	Chemistry	6	Winter
913304	Introdução às Tecnologias de Informação	<a href="#">Introduction to Information Technology</a>	5.5	Winter
913305	Anatomia e Fisiologia I	Anatomy and Physiology I	6	Winter
913306	Cálculo II	<a href="#">Calculus II</a>	6.5	Spring
913307	Física I	<a href="#">Physics I</a>	6	Spring
913308	Análise de Circuitos	<a href="#">Circuit Analysis</a>	6	Spring
913309	Introdução às Bases de Dados e Programação	<a href="#">Introduction to Database and Programming</a>	5.5	Spring
913310	Anatomia e Fisiologia II	Anatomy and Physiology II	6	Spring
<b>2.º ano / 2<sup>nd</sup> Year</b>				
913317	Biosensores e Transdutores	Biosensors and Transducers	6.5	Spring
913320	Concepção e Gestão de Projecto	Design and Project Management	4.5	Spring
913318	Electrónica Analógica	Analog Electronics	7	Spring
913315	Electrónica Digital	Digital Electronics	6.5	Winter
913313	Física II	<a href="#">Physics II</a>	6	Winter
913312	Matemática Aplicada	Applied Mathematics	6	Winter
913314	Medidas e Instrumentação	Measures and Instrumentation	6	Winter
913316	Ótica	Optics	6	Spring
913311	Probabilidades e Estatística	<a href="#">Probability and Statistics</a>	5.5	Winter
913319	Sistemas e Sinais	Signals and Systems	6	Spring
<b>3.º ano / 3<sup>rd</sup> Year</b>				
913326	Biomateriais	<a href="#">Biomaterials</a>	6	Spring
913321	Equipamentos de Imagiologia Médica	Medical Imaging Equipment	5	Winter
913323	Microprocessadores	Microprocessors	6	Winter
913327	Bioinstrumentação	Bioinstrumentation	6.5	Spring
913324	Biomecânica	Biomechanics	6	Winter
913328	Economia e Gestão de Empresas	<a href="#">Economics and Business Administration</a>	4.5	Spring
913325	Processamento de Imagem Médica	<a href="#">Medical Imaging Processing</a>	6.5	Winter
913329	Projecto	Project	13	Spring
913322	Introdução aos Sistemas Electromagnéticos	<a href="#">Introduction to Electromagnetic Systems</a>	6	Winter