

SAN PABLO CEU UNIVERSITY
Biomedical Engineering Program
SUBJECTS OFFERED IN ENGLISH 2016-2017

CURSO Year/Degree	SUBJECT	ECTS	SEMESTRE
1 st	Mathematical Foundations of	6	1 st
	Biomedical Engineering I	6	1 st
	Mathematical Foundations of Biomedical Engineering II	6	1 st
	Programming	6	1 st
	English*	6	1 st
	Chemistry	6	1 st
	Waves, Electrostatics and Thermodynamics	6	2 nd
	History and Society	6	2 nd
	Algorithms and Data Structures	6	2 nd
	Mathematical Foundations of Biomedical Engineering III	6	2 nd
	Fundamentals of Biology*	6	2 nd
2 nd	Dynamical Systems in Biomedical	6	3 rd
	Electromagnetism and Optics	6	3 rd
	Engineering	6	3 rd
	Biostatistics I *	6	3 rd
	Biochemistry and Molecular Biology	6	3 rd
	Circuit Theory*	6	3 rd
	Signals and Systems	6	4 th
	Histophysiology *	6	4 th
	Digital Electronics	6	4 th
	Anatomy and Physiology	6	4 th
	Databases*	6	4 th
3 rd	Biostatistics II* 6	6	5 th
	Digital Systems* 6	6	5 th
	Random Signals 6	6	5 th
	Projects in Biomedical Engineering I	6	5 th
	Digital Signal Processing*	6	5 th
	Numerical Methods in Biomedical Engineering	5	6 th
	Imaging Techniques in Biomedicine	3	6 th
	Pathophysiology and General Pathology*	7	6 th
	Digital Image Processing*	6	6 th
	Computer Architecture and Operating Systems*	6	6 th
	Projects in Biomedical Engineering II	3	6 th
4 th	Genomics and Proteomics*	6	7 th
	Telemedicine*	3	7 th
	Biomedical Instrumentation *	3	7 th
	Systems Biology*	3	7 th

	Projects in Biomedical Engineering III	3	7 th
	Practicum	6	7 th
	Social Doctrine of the Church	6	7 th
	Bioinformatics*	6	8 th
	Biomedical Signals*	6	8 th
	Decision Support Systems *	4.5	8 th
	Data Mining in Biomedicine *	4.5	8 th
	BSc Thesis	12	8 th

Courses marked with "*" are taught in English, the rest are taught in Spanish. The courses taught in English may vary from year to year; please ask for details about what courses are taught in English each year.