

## GRADO EN INGENIERÍA BIOMÉDICA

VIGENTE					NUEVO 2018				
CURSO	Cuatrimestre	Asignatura	Créditos	Tipo	CURSO	Cuatrimestre	Asignatura	Créditos	Tipo
1	Q1	Linear Algebra	6	FB	1	Q1	Linear Algebra	6	FB
1	Q1	Calculus I	6	FB	1	Q1	Calculus I	6	FB
1	Q1	Introduction to Bioengineering	6	O	1	Q1	Introduction to Bioengineering	6	O
1	Q1	Chemistry	6	FB	1	Q1	Chemistry	6	FB
1	Q1	Programming	6	FB	1	Q1	Programming	6	FB
1	Q2	Physics I	6	FB	1	Q2	Physics I	6	FB
1	Q2	Calculus II	6	FB	1	Q2	Calculus II	6	FB
1	Q2	Physics II	6	FB	1	Q2	Physics II	6	FB
1	Q2	Writing and communication skills	3	FB	1	Q2	Writing and communication skills	3	O
1	Q2	Information Skills	3	FB	1	Q2	Humanities	3	O
1	Q2	Cell and Molecular Biology	6	FB	1	Q2	Cell and Molecular Biology	6	FB
CURSO	Cuatrimestre	Asignatura	Créditos	Tipo	CURSO	Cuatrimestre	Asignatura	Créditos	Tipo
2	Q1	Statistics	6	FB	2	Q1	Systems and Signals	6	O
2	Q1	Physics III	6	FB	2	Q1	Physics III	6	FB
2	Q1	Differential Equations	6	O	2	Q1	Differential Equations	6	FB
2	Q1	Biochemistry	6	O	2	Q1	Biochemistry	6	O
2	Q1	Biomechanics of continuum media I (solids)	6	O	2	Q1	Biomechanics of continuum media I (solids)	6	O
2	Q2	Biological Systems	6	O	2	Q2	Biological Systems	6	O
2	Q2	Materials science and engineering	6	O	2	Q2	Materials science and engineering	6	O
2	Q2	Electronic technology in biomedicine	6	O	2	Q2	Electronic technology in biomedicine	6	O
2	Q2	Numerical methods in biomedicine	6	O	2	Q2	Numerical methods in biomedicine	6	FB
2	Q2	Biomechanics of continuum media II (fluids)	6	O	2	Q2	Biomechanics of continuum media II (fluids)	6	O
CURSO	Cuatrimestre	Asignatura	Créditos	Tipo	CURSO	Cuatrimestre	Asignatura	Créditos	Tipo
3	Q1	Systems and Signals	6	O	3	Q1	Statistics	6	O
3	Q1	Robotics	3	O	3	Q1	Information skills	1,5	O
3	Q1	Control Engineering	3	O	3	Q1	Advanced spreadsheets	1,5	O
3	Q1	Anatomy and Physiology I	6	O	3	Q1	Control Engineering	3	O
3	Q1	Transport phenomena in biomedical engineering	6	O	3	Q1	Medical Physiology I	6	O
3	Q1	Measuring Instrumentation	6	O	3	Q1	Transport phenomena in biomedical engineering	6	O
3	Q1				3	Q1	Measuring Instrumentation	6	O
3	Q2	Fundamental of tissue engineering and regenerative medicine	6	O	3	Q2	Fundamental of tissue engineering and regenerative medicine	6	O
3	Q2	Introduction to Biomaterials	6	O	3	Q2	Introduction to Biomaterials	6	O
3	Q2	Anatomy and Physiology II	6	O	3	Q2	Medical Physiology II	6	O
3	Q2	Image processing and reconstruction	6	O	3	Q2	Medical Image processing	6	O
3	Q2	Introduction to the design of medical instrumentation	6	O	3	Q2	Introduction to the design of medical instrumentation	6	O
CURSO	Cuatrimestre	Asignatura	Créditos	Tipo	CURSO	Cuatrimestre	Asignatura	Créditos	Tipo
4	Q1	Bioinformatics	6	O	4	Q1	Computational Biology	6	O
4	Q1	Humanities	6	FB	4	Q1	Humanities	3	O
4	Q1				4	Q1	Robotics	3	O
4	Q2	Bioethics	3	O	4	Q2	Bioethics	3	O
4	Q2	Intellectual property	3	O	4	Q2	Interpersonal professional skills	3	O
4	Q2	TFG	12	TFG	4	Q2	TFG	12	TFG

Cambia créditos/nombre/tipo
Nueva
Cambia curso y/o cuatrimestre
Se elimina

Formación complementaria en ingeniería (elegir 12 ECTS)					Optativas (elegir 30 ECTS)				
4	Q1	Professional Internships	12	P	4	Q1 y Q2	Professional Internships	12	P
4	Q1	Una asignatura de otro grado	6	P	4	Q1 (y Q2)	Medical instrumentation and devices	6	P
4	Q1	Una asignatura de diferente intensificación a la cursada	6	P	4	Q2 (y Q1)	Biomedical microdevices	6	P
					4	Q2 (y Q1)	Biomedical applications of nanotechnology	6	P
Intensificación en instrumentos médicos (18 ECTS)					4	Q1 (y Q2)	Tissue/organ regeneration and bioengineering	6	P
4	Q1	Medical instrumentation and devices	6	P	4	Q2 (y Q1)	Advanced Biomaterials, 3D Bioprinting and Micro/nano Biofabrication	6	P
4	Q2	Biomedical microdevices	6	P	4	Q2 (y Q1)	Synthetic and Systems Biology	6	P
4	Q2	Biomedical applications of nanotechnology	6	P	4	Q1 (y Q2)	Introduction to biomedical imaging	6	P
Intensificación en Ingeniería de Tejidos y Medicina Regenerativa (18 ECTS)					4	Q2 (y Q1)	Advanced topics in medical imaging	6	P
4	Q1	Cell culture and biotechnology for tissue engineering	6	P	4	Q2 (y Q1)	Instrumentation and Multimodality Imaging	6	P
4	Q2	Biomaterials experimental design	6	P					
4	Q2	Informatics and Biotechnology to support tissue engineering	6	P					
Intensificación en imagen médica (18 ECTS)									
4	Q1	Introduction to biomedical image	6	P					
4	Q2	Advanced topics in medical image	6	P					
4	Q2	Instrumentation and Multimodality Imaging	6	P					

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