



2025-2026 academic year

<b>First-Fall Semester</b>	<b>Second-Spring Semester</b>
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<b>BEng in Civil Engineering</b> (Grado en Ingeniería Civil y Territorial)									
CODE	COURSE TAUGHT IN ENGLISH	ECTS	YEAR	SEMESTER	CODE	COURSE TAUGHT IN ENGLISH	ECTS	YEAR	SEMESTER
45001203	<a href="#">English</a>	6	2nd	1st					2nd
45000227	<a href="#">English</a>	6	3rd	1st					

<b>BSc in Materials Engineering</b> (Grado en Ingeniería de Materiales)									
CODE	COURSE TAUGHT IN ENGLISH	ECTS	YEAR	SEMESTER	CODE	COURSE TAUGHT IN ENGLISH	ECTS	YEAR	SEMESTER
45000120	<a href="#">Mechanical behaviour of materials III</a>	6	3rd	1st	45000125	<a href="#">Mechanical behaviour of materials IV</a>	6	3rd	2nd
45000121	<a href="#">Properties of materials II</a>	6	3rd	1st	45000126	<a href="#">Nanotechnology</a>	6	3rd	2nd
45000122	<a href="#">Composite materials</a>	6	3rd	1st	45000127	<a href="#">Surface engineering</a>	6	3rd	2nd
45000123	<a href="#">Simulation in materials engineering</a>	6	3rd	1st	45000128	<a href="#">Materials recycling</a>	6	3rd	2nd
45000129	<a href="#">Soft matter</a>	6	3rd	1st	45000124	<a href="#">Quality and quality management</a>	6	3rd	2nd

<b>MSc in Civil Engineering</b> (Máster en Ingeniería de Caminos, Canales y Puertos)									
CODE	COURSE TAUGHT IN ENGLISH	ECTS	YEAR	SEMESTER	CODE	COURSE TAUGHT IN ENGLISH	ECTS	YEAR	SEMESTER
43000384	<a href="#">Experimental structural analysis</a>	4,5	2nd	1st	43000390	<a href="#">Advanced analysis and design of concrete structures</a>	4,5	2nd	2nd
43000467	<a href="#">Introduction to optimization techniques</a>	4,5	2nd	1st	43000391	<a href="#">Dynamic and seismic analysis of structures</a>	4,5	2nd	2nd
43000418	<a href="#">Public-private partnership in infrastructure, facilities and utilities</a>	4,5	2nd	1st	43000397	<a href="#">Structural composite materials</a>	4,5	2nd	2nd
				1st	43000404	<a href="#">Hydroelectric systems analysis</a>	4,5	2nd	2nd
				1st	43000406	<a href="#">Marine energies</a>	4,5	2nd	2nd
				1st	43000420	<a href="#">Development and civil engineering</a>	4,5	2nd	2nd
				1st	43000422	<a href="#">Finance infrastructure and public services</a>	4,5	2nd	2nd
				1st	43000423	<a href="#">Global economy and international environment in Business Administration</a>	4,5	2nd	2nd
				1st	43000411	<a href="#">Transports demands models</a>	4,5	2nd	2nd



Universidad Politécnica de Madrid  
E.T.S.I. CAMINOS, CANALES Y PUERTOS, SCHOOL OF CIVIL ENGINEERING (ETSICCP)



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MSc in Materials Engineering (Máster en Ingeniería de Materiales)									
CODE	COURSE TAUGHT IN ENGLISH	ECTS	YEAR	SEMESTER	CODE	COURSE TAUGHT IN ENGLISH	ECTS	YEAR	SEMESTER
43000600	<a href="#">Advance Manufacturing of Structural Materials</a>	3	1st	1st	43000607	<a href="#">Estructural Design</a>	3	1st	2nd
43000601	<a href="#">Advance Manufacturing of Functional Materials</a>	3	1st	1st	43000608	<a href="#">Impact Mechanics</a>	3	1st	2nd
43000602	<a href="#">Modelling and Simulation in Materials Science and Engineering</a>	6	1st	1st	43000609	<a href="#">Structural Integrity</a>	3	1st	2nd
43000603	<a href="#">Microstructural Characterization</a>	6	1st	1st	43000610	<a href="#">Forensic Engineering</a>	3	1st	2nd
43000604	<a href="#">Properties of Materials</a>	5	1st	1st	43000611	<a href="#">Alloy Design And Advanced Physical Metallurgy</a>	3	1st	2nd
43000605	<a href="#">Biological Materials</a>	5	1st	1st	43000612	<a href="#">Nanocomposites And Nanostructured Hybrid Materials</a>	3	1st	2nd
43000606	<a href="#">Materials for Energy</a>	3	1st	1st	43000613	<a href="#">Materials for extreme conditions</a>	3	1st	2nd
43000644	<a href="#">Physics And Chemistry Of Materials</a>	3	1st	1st	43000614	<a href="#">Polymers</a>	3	1st	2nd
43000644	<a href="#">Physics And Chemistry Of Materials</a>	3	1st	1st	43000615	<a href="#">Introduction To Research In Materials Science And Engineering - Structural Materials</a>	3	1st	2nd
43000645	<a href="#">Mechanics Of Materials</a>	3	1st	1st	43000616	<a href="#">Electrochemistry For Energy-Related Applications</a>	3	1st	2nd
				1st	43000617	<a href="#">Photovoltaic Materials And Devices</a>	3	1st	2nd
				1st	43000618	<a href="#">Materials For Photonic Devices</a>	3	1st	2nd
				1st	43000619	<a href="#">Nanoelectronics</a>	3	1st	2nd
				1st	43000620	<a href="#">Solid State Lighting</a>	4	1st	2nd
				1st	43000621	<a href="#">Metamaterials And Plasmonics</a>	3	1st	2nd
				1st	43000622	<a href="#">Future Magnetic Materials</a>	3	1st	2nd
				1st	43000623	<a href="#">Laboratory Of Nanoelectronics</a>	3	1st	2nd
				1st	43000624	<a href="#">Introduction To Research In Materials Science And Engineering - Functional Materials</a>	3	1st	2nd
				1st	43000643	<a href="#">Master Dissertation</a>	30	1st	1 year
				1st					
				1st					

MSc in Structure, Foundations and Materials Engineering									
Subjects may be finally taught in Spanish at the request of most of the students									
CODE	COURSE TAUGHT IN ENGLISH	ECTS	YEAR	SEMESTER	CODE	COURSE TAUGHT IN ENGLISH	ECTS	YEAR	SEMESTER
				1st	43000658	<a href="#">Design, analysis and construction bridges</a>	3	1st	2nd
				1st	43000659	<a href="#">Bridge dynamics</a>	1,5	1st	2nd
				1st	43000661	<a href="#">Advanced analysis and design of concrete structures</a>	3	1st	2nd
				1st	43000665	<a href="#">Computational mechanics</a>	3	1st	2nd
				1st	43000678	SEMINARS	1,5	1st	1st, 2nd
				1st	43000679	<a href="#">SEMINARS AND THESIS INTRODUCTION</a>	1,5	1st	1st, 2nd
				1st					
				1st					