

# LIST OF COURSES TAUGHT IN ENGLISH (OR ENGLISH FRIENDLY) OFFERED BY ETSII - 2021/22 ACADEMIC YEAR

## MASTER LEVEL

**Important information to read before choosing the courses!!!!**

Please PAY ATTENTION TO THE REMARKS written in each course in order to avoid confusions.

- (1) **T.E.** means that the course will be taught in English; laboratory sessions (practical session) are not 100% guaranteed to be in English.
- (2) **E.F.** means English friendly. This way of teaching only assures that questions asked in class and tutorials can be answered in English. **Courses only possible taking for students with an official B1 Spanish level.**

MÁSTER UNIVERSITARIO EN INGENIERO INDUSTRIAL – MASTER IN INDUSTRIAL ENGINEERING								
Code	Course Name	ECTS	Semester	TE <sup>(1)</sup>	EF <sup>(2)</sup>	Lecturer / Group		Remarks
33804	<b>DIRECCIÓN DE OPERACIONES</b> <i>OPERATIONS MANAGEMENT</i>	4,5	1A	<input checked="" type="checkbox"/>		Esteso Alvarez, Ana (TA) Lario Femenia, Joan (TA) Pérez Perales, David (PL)	5II	The exam questions will be written in Spanish
33805	<b>DIRECCIÓN DE EMPRESA</b> <i>MANAGEMENT</i>	4,5	1A	<input checked="" type="checkbox"/>		Canós Darós, Lourdes Gimeno Bellver, Pablo Joaquín Babiloni Griñón, María Eugenia Fernández Plazaola, Igor	5II	
33813	<b>INSTRUMENTACIÓN Y CONTROL INDUSTRIAL</b> <i>ADVANCED ELECTRONICS AND CONTROL SYSTEMS</i>	4,5	1A	<input checked="" type="checkbox"/>		Control: Ramos Fernández, César Electronics: Garcia Casado, Francisco Javier	5II	Both parts MUST be passed. Exam available in English. Laboratory lessons not guarantee in English.
33812	<b>TECNOLOGÍA QUÍMICA INDUSTRIAL</b> <i>INDUSTRIAL AND CHEMICAL TECHNOLOGY</i>	4,5	1A		<input checked="" type="checkbox"/>	Sancho Fernández, María Pino	5IA	
33811	<b>GENERACIÓN, TRANSPORTE Y DISTRIBUCIÓN DE ENERGÍA ELÉCTRICA</b> <i>INSTALLATIONS: GENERATION, TRANSPORT AND DISTRIBUTION OF ELECTRICITY</i>	4,5	1B	<input checked="" type="checkbox"/>		Rodrigo Mor, Armando (TA) Roldán Blay, Carlos (PL)	5II	Previous knowledge needed on: Circuit theory. Sinusoidal steady state and three phase circuits. Electrical machines. Transformers and motors.
33803	<b>DIRECCIÓN DE PROYECTOS</b> <i>PROJECT MANAGEMENT</i>	4,5	1B	<input checked="" type="checkbox"/>		Sánchez Romero, Miguel Ángel (TA/PA/PL)	5II 5EI	
33814	<b>AMPLIACIÓN DE ENERGÍA Y MÁQUINAS TÉRMICAS</b> <i>ADVANCED COURSE IN THERMAL ENERGY AND MACHINES</i>	4,5	1B	<input checked="" type="checkbox"/>		Guardiola García, Carlos (TA/PL) Barrachina Celda, Teresa María (TA/PL)	5II	Class' material and exam available in English.
33737	<b>TECNOLOGÍA CERÁMICA</b> <i>CERAMIC TECHNOLOGY</i>	4,5	2A		<input checked="" type="checkbox"/>	Orozco Messana, Javier (TA/PL)		
34555	<i>RECRUITMENT SKILLS - QA</i>	4,5	2A	<input checked="" type="checkbox"/>		Reig Fabado, Antonio	6OIC	
35126	<i>LOGISTICS AND SUPPLY CHAIN PROCESSES_QA</i>	4,5	2A	<input checked="" type="checkbox"/>		Maheut, Julien Philippe	6OIF	
33679	<b>ESTRUCTURAS DE HORMIGÓN</b> <i>CONCRETE STRUCTURES</i>	4,5	2A		<input checked="" type="checkbox"/>	Lapuebla Ferri, Andrés (TA/PL)		Class' material and exam only available in Spanish.
33695	<b>GESTIÓN DE LA REPRESENTACIÓN DIGITAL DEL PRODUCTO</b> <i>MANAGEMENT OF THE DIGITAL REPRESENTATION OF THE PRODUCT</i>	4,5	2A		<input checked="" type="checkbox"/>	Contero González, Manuel Roberto		Class' material and exam only available in Spanish.
33781	<b>ROBÓTICA MÓVIL</b> <i>MOBILE ROBOTICS</i>	4,5	2B	<input checked="" type="checkbox"/>		Armesto Ángel, Leopoldo (TA/PL)	6OIE	

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33769	<b>RESPONSABILIDAD SOCIAL DE LA INGENIERIA</b> <i>SOCIAL RESPONSIBILITY OF ENGINEERING</i>	4,5	2B	<input checked="" type="checkbox"/>		Rodríguez Coronel, Martha Monica Miralles Insa, Cristóbal Javier	6OIF	
33775	<b>CONTROL DE CALIDAD EN PROCESOS INDUSTRIALES</b> <i>INDUSTRIAL QUALITY CONTROL</i>	4,5	2B	<input checked="" type="checkbox"/>		Aparisi García, Francisco José	6OIF	
33800	<b>EMPRENDIMIENTO Y GESTIÓN DE LA INNOVACIÓN Y LA TECNOLOGÍA</b> <i>ENTREPRENEURSHIP AND INNOVATION MANAGEMENT AND TECHNOLOGY</i>	4,5	2B	<input checked="" type="checkbox"/>		Part 1: Barberá Tomás, José David Part 2: Tomás Dolado, Eduardo	6OIC	
34251	<i>RECRUITMENT SKILLS - QB</i>	4,5	2B	<input checked="" type="checkbox"/>		Reig Fabado, Antonio	6OIC	
34252	<i>ADVANCED PERFORMANCE MEASUREMENTS SYSTEMS</i>	4,5	2B	<input checked="" type="checkbox"/>		Raúl Rodríguez Rodríguez (TA/PL) Verdecho Sáez, María José (TA/PL) Alfaro Saiz, Juan José (PL)	6OIC	
34253	<i>SYSTEMATIC INNOVATIVE THINKING FOR ENGINEERS AND RESEARCHES</i>	4,5	2B	<input checked="" type="checkbox"/>		Jose Miguel Vicente Gomila	6OIC	
34254	<i>ORGANIZATIONAL BEHAVIOR</i>	4,5	2B	<input checked="" type="checkbox"/>		Bañón Gomis, Alexis Jacobo	6OIC	
33790	<b>MERCADOS DE LA ENERGÍA</b> <i>ENERGY MARKETS</i>	4,5	2B	<input checked="" type="checkbox"/>		Alcázar Ortega, Manuel Álvarez Bel, Carlos María Peñalvo López, Elisa	6OIF	
33767 33712 33798	<b>SIMULACIÓN ENERGÉTICA DE EDIFICIOS</b> <i>ENERGY SIMULATION OF BUILDINGS</i>	4,5	2B	<input checked="" type="checkbox"/>		Soto Francés, Víctor Manuel	6OIA	Most of the teaching material is translated to English.
33782	<i>WORK STUDY AND PROCESS DESIGN</i>	4,5	2B	<input checked="" type="checkbox"/>		Maheut, Julien Philippe Miralles Insa, Cristóbal Javier	6OIF	
33783	<b>CONSULTORÍA DE OPERACIONES</b> <i>OPERATIONS CONSULTING</i>	4,5	2B	<input checked="" type="checkbox"/>		Devís Gallego, Sergio (TA/PL) Maheut, Julien Philippe (PL)	6OID	
34554	<i>LOGISTICS AND SUPPLY CHAIN PROCESSES_QB</i>	4,5	2B	<input checked="" type="checkbox"/>		Maheut, Julien Philippe	6OIF	
34553	<i>ENERGY AND SUSTAINABLE DEVELOPMENT</i>	4,5	2B	<input checked="" type="checkbox"/>		Mayo Nogueira, Patricia	6OIC	
33789	<b>DISEÑO PARA LA FABRICACIÓN</b> <i>DESIGN FOR MANUFACTURING</i>	4,5	2B		<input checked="" type="checkbox"/>	J. Antonio García-Manrique	6OIB	Material and exam available in English.
33771	<b>NEGOCIACIÓN Y TOMA DE DECISIONES</b> <i>NEGOTIATION AND DECISION MAKING</i>	4,5	2B		<input checked="" type="checkbox"/>	García Melón, Mónica		Exam must be written in English.
33776	<i>PRACTICUM CONSTRUCCIÓN</i>	4,5	2B		<input checked="" type="checkbox"/>	Saura Arnau, Héctor (TA/PL) Lapuebla Ferri, Andrés (PI)		Class' material and exam only available in Spanish.

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**MÁSTER UNIVERSITARIO EN TECNOLOGÍA ENERGÉTICA PARA EL DESARROLLO SOSTENIBLE - MASTER'S DEGREE IN ENERGY TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT**

Code	Course Name	ECTS	Semester	TE <sup>(1)</sup>	EF <sup>(2)</sup>	Lecturer	Remarks
34079	<b>Evaluation of the environmental impact of energy systems</b>	4,5	A	<input checked="" type="checkbox"/>		Teresa Barrachina, David Alfonso	
34081	<b>Measuring and monitoring of energy installations</b>	6	A	<input checked="" type="checkbox"/>		Rubén Puche, Javier Martínez, Emilio Navarro	
34080	<b>Practice on Energy Auditing</b>	6	A	<input checked="" type="checkbox"/>		Guillermo Escrivá, Manuel Alcázar Teresa Magraner	
34082	<b>Techno-economical assessment of energy systems</b>	4,5	A	<input checked="" type="checkbox"/>		Jorge Payá	
34083	<b>Applied Energy Technology - Project course</b>	6	A	<input checked="" type="checkbox"/>		Montagud Montalvá, Carla Isabe Vargas Salgado, Carlos Afranio	
34084	<b>Introduction to Research in the Energy field</b>	6	A	<input checked="" type="checkbox"/>		Corberán Salvador, José Miguel	
34088	<b>Advanced solar thermal energy technologies</b>	4,5	B	<input checked="" type="checkbox"/>		Payá Herrero, Jorge	
34547	<b>Sustainable development and energy</b>	4,5	B	<input checked="" type="checkbox"/>		Gómez Navarro, Tomás	
34096	<b>Industrial and commercial refrigeration</b>	4,5	B		<input checked="" type="checkbox"/>	Navarro Peris, Emilio, González Maciá, José	

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<b>MÁSTER UNIVERSITARIO EN INGENIERÍA BIOMÉDICA - MASTER'S DEGREE IN BIOMEDICAL ENGINEERING</b>							
Code	Course Name	ECTS	Semester	TE <sup>(1)</sup>	EF <sup>(2)</sup>	Lecturer	Remarks
34367	Innovation and research in medical technology	4	A	<input checked="" type="checkbox"/>		Barberá Tomás, José David	
34378	Advanced tissue engineering and regenerative therapy	4,5	A	<input checked="" type="checkbox"/>		Monleón Pradas, Manuel Vilariño Feltrer, Guillermo Campillo Fernández, Alberto José	
34381	Analysis of Genomic Data	4,5	A	<input checked="" type="checkbox"/>		Pastor López, Oscar Sempere Luna, José María	
34382	Data quality and interoperability	4,5	A	<input checked="" type="checkbox"/>		García Gómez, Juan Miguel, Sáez Silvestre, Carlos	
34374	Modeling And Simulation Of Bioelectric Systems	4,5	B	<input checked="" type="checkbox"/>		Trénor Gomis, Beatriz Ferrero De Loma-Osorio, José María, Saiz Rodríguez, Francisco Javier	
34375	Nanodiagnostics and nanotherapy	4,5	B	<input checked="" type="checkbox"/>		Martí Sendra, Javier, Martínez Mañez, Ramón	

<b>MÁSTER UNIVERSITARIO EN INGENIERÍA QUÍMICA- MASTER'S DEGREE IN CHEMICAL ENGINEERING</b>							
Code	Course Name	ECTS	Semester	TE <sup>(1)</sup>	EF <sup>(2)</sup>	Lecturer	Remarks
34761	Membrane processes for wastewater treatment	4,5	A	<input checked="" type="checkbox"/>		Álvarez Blanco, Silvia	
34762	Scaffolding materials for tissue engineering	4,5	A	<input checked="" type="checkbox"/>		Gallego Ferrer, Gloria	
33504	Entrepreneurship and Innovation and Technology Management	4,5	B	<input checked="" type="checkbox"/>		Tomás Dolado, Eduardo Barberá Tomás, José David	
34255	Recruitment skills	4,5	B	<input checked="" type="checkbox"/>		Reig Fabado, Antonio	
34256	Systematic innovative thinking for engineers and researchers	4,5	B	<input checked="" type="checkbox"/>		Vicente Gomila, José Miguel	
34764	Social Responsibility In Engineering	4,5	B	<input checked="" type="checkbox"/>		Jiménez Saez, Fernando	

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