

COMPUTER SCIENCE AND ENGINEERING DEGREE

International accreditation EUR-INF



ECTS CREDITS	
Basic training (FB)	60
Compulsory (OB)	126
Optional (OP)	42
End-of-degree Project (TFG)	12
Total	240

Centre ([see](#))



CLICK ON THE CODE OF EACH SUBJECT TO ACCESS THE COURSE HANDBOOK

FIRST YEAR

Code	Subject	Credits	Type	Semester
17814	ALGEBRA	6	FB	1
17815	CALCULUS I	6	FB	1
17816	INTRODUCTION TO COMPUTERS	6	FB	1
17817	PROGRAMMING I	6	FB	1
17818	PRACTICAL COMPUTER WORKSHOP	6	OB	1
17819	CALCULUS II	6	FB	2
17820	COMPUTER ARCHITECTURE AND ORGANIZATION	6	FB	2
17821	PROGRAMMING II	6	OB	2
17822	ELECTROMAGNETISM	6	FB	2
17823	PROGRAMMING PROJECT	6	OB	2

SECOND YEAR

Code	Subject	Credits	Type	Semester
17824	LOGIC AND DISCRETE STRUCTURES	6	FB	1
17825	ELECTRONICS) (ELECTRONIC CIRCUITS	6	FB	1
17826	DATA STRUCTURES	6	OB	1
17827	ALGORITHM ANALYSIS	6	OB	1
17828	COMPUTER AND SOCIETY	6	OB	1
17829	STATISTICS AND PROBABILITY	6	FB	2
17830	MICROPROCESSOR-BASED SYSTEMS	6	OB	2
17831	OPERATIVE SYSTEMS	6	OB	2
17832	SOFTWARE ANALYSIS AND DESIGN	6	OB	2
17833	SOFTWARE ANALYSIS AND DESIGN PROJECT	6	OB	2

THIRD YEAR

Code	Subject	Credits	Type	Semester
<u>17834</u>	COMPUTER ARCHITECTURE	6	OB	1
<u>17835</u>	COMMUNICATION NETWORKS I	6	OB	1
<u>17836</u>	COMPUTER SYSTEMS I	6	OB	1
<u>17837</u>	COMPUTER SYSTEMS PROJECT	3	OB	1
<u>17838</u>	FORMAL LANGUAGES AND AUTOMATA	6	OB	1
<u>17839</u>	FORMAL LANGUAGES AND AUTOMATA PROJECT	3	OB	1
<u>17840</u>	ARTIFICIAL INTELLIGENCE	6	OB	2
<u>17841</u>	COMMUNICATION NETWORKS II	6	OB	2
<u>17842</u>	COMPUTER SYSTEMS II	6	OB	2
<u>17843</u>	SOFTWARE ENGINEERING	6	OB	2
<u>17844</u>	SOFTWARE ENGINEERING PROJECT	6	OB	2

FOURTH YEAR

Code	Subject	Credits	Type	Semester
<u>17846</u>	END-OF-DEGREE PROJECT	12	TFG	Annual
<u>17845</u>	TECNOLOGICAL COMPANIES ORGANOZATION	6	OB	1
	OPTIONAL CREDITS	42	OP	

OPTIONAL SUBJECTS

Code	Subject	Credits	Type	Semester
<u>18763</u>	DEVELOPMENT OF APPLICATION-SPECIFIC PROCESSORS AND SYSTEMS	6	OP	1
<u>18764</u>	INTRODUCTION TO VIDEOGAME PROGRAMMING AND GRAPHICS	6	OP	1
<u>18765</u>	FUNDAMENTALS OF CRYPTOGRAPHY AND COMPUTER SECURITY	6	OP	1
<u>18766</u>	ALGORITHM DESIGN AND ANALYSIS	6	OP	1
<u>18767</u>	ADVANCED PROGRAMMING	6	OP	1
<u>18768</u>	MULTIMEDIA SIGNAL PROCESSING I: IMAGE AND VIDEO	6	OP	1
<u>18776</u>	FUNDAMENTALS OF MACHINE LEARNING	6	OP	1
<u>18777</u>	COMPUTER SIMULATION METHODS	6	OP	1
<u>18770</u>	PLATFORMS FOR EMBEDDED SYSTEMS	6	OP	2
<u>18771</u>	APPLICATION DEVELOPMENT FOR MOBILE DEVICES	6	OP	2
<u>18773</u>	NEUROCOMPUTATION	6	OP	2
<u>18774</u>	INFORMATION SEARCH AND MINING	6	OP	2
<u>18775</u>	COMPLEXITY AND COMPUTATION	6	OP	2
<u>18778</u>	AUTOMATED SOFTWARE DEVELOPMENT	6	OP	2
<u>18780</u>	MULTIMEDIA NETWORKS	6	OP	2
<u>18781</u>	INTERNSHIP	12	OP	1 or 2

CENTRE

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