

COMPUTER ENGINEERING DEGREE

International accreditation EUR-INF



ECTS CREDITS	
Basic training (FB)	60
Compulsory (OB)	132
Optional (OP)	36
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	COMPUTER BASICS	6	FB	1
17824	LOGIC AND DISCRETE STRUCTURES	6	FB	1
19951	FUNDAMENTALS OF PROGRAMMING	6	FB	1
17819	CALCULUS II	6	FB	2
17823	PROGRAMMING PROJECT	6	OB	2
17828	COMPUTERS AND SOCIETY	6	OB	2
19952	DATA ESTRUCTURES	6	OB	2
19953	PHYSICAL FUNDAMENTALS OF INFORMATICS	6	FB	2

SECOND YEAR

Code	Subject	Credits	Type	Semester
17820	COMPUTER STRUCTURE	6	FB	1
17827	ANALYSIS OF ALGORITHMS	6	OB	1
17845	TECHNOLOGICAL BUSINESS ADMINISTRATION	6	FB	1
19954	ALGORITHMS AND ADVANCED DATA STRUCTURES	6	OB	1
19955	FUNDAMENTALS OF DATABASE	6	OB	1
17829	STATISTICS AND PROBABILITY	6	FB	2
17830	MICROPROCESSOR-BASED SYSTEMS	6	OB	2
17831	OPERATING 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>17838</u>	FORMAL LANGUAGES AND AUTOMATA	6	OB	1
<u>17840</u>	ARTIFICIAL INTELLIGENCE	6	OB	1
<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
<u>19956</u>	COMPUTER SYSTEMS PROJECT	6	OB	2

FOURTH YEAR

Code	Subject	Credits	Type	Semester
<u>17846</u>	END-OF-DEGREE PROJECT	12	TFG	Annual
<u>19957</u>	HIGH PERFORMANCE COMPUTING	6	OB	1
	OPTIONAL SUBJECTS	18	OP	1
<u>19958</u>	CYBERSECURITY	6	OB	2
	OPTIONAL SUBJECTS	18	OP	2

OPTIONAL SUBJECTS

Code	Subject	Credits	Type	Semester
<u>18765</u>	FUNDAMENTALS OF CRYPTOGRAPHY AND COMPUTER SECURITY	6	OP	1
<u>18776</u>	FUNDAMENTALS OF MACHINE LEARNING	6	OP	1
<u>18780</u>	MULTIMEDIA NETWORKS	6	OP	1
<u>20270</u>	INTRODUCTION TO QUANTUM COMPUTING	6	OP	1
<u>20271</u>	INTRODUCTION TO ARTIFICIAL VISION: ANALYSIS OF VISUAL SIGNALS	6	OP	1
<u>20486</u>	SOFTWARE TESTING	6	OP	1
<u>20803</u>	SEARCH ENGINES	6	OP	2
<u>18771</u>	APPLICATION DEVELOPMENT FOR MOBILE DEVICES	6	OP	2
<u>18773</u>	NEUROCOMPUTATION	6	OP	2
<u>18775</u>	COMPLEXITY AND COMPUTATION	6	OP	2
<u>18781</u>	EXTERNAL INTERNSHIP	12	OP	1 or 2
<u>19959</u>	FURTHER TOPICS IN TECHNOLOGIES AND INFORMATION SYSTEMS 1	6	OP	1 or 2
<u>19960</u>	FURTHER TOPICS IN TECHNOLOGIES AND INFORMATION SYSTEMS 2	6	OP	1 or 2

CENTRE

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ACADEMIC YEAR 2025/2026

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