

## 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
<b>Total</b>	<b>240</b>

Centre [\(see\)](#)



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

### FIRST YEAR

Code	Subject	Credits	Type	Semester
<a href="#">17814</a>	ALGEBRA	6	FB	1
<a href="#">17815</a>	CALCULUS I	6	FB	1
<a href="#">17816</a>	COMPUTER BASICS	6	FB	1
<a href="#">17824</a>	LOGIC AND DISCRETE STRUCTURES	6	FB	1
<a href="#">19951</a>	FUNDAMENTALS OF PROGRAMMING	6	FB	1
<a href="#">17819</a>	CALCULUS II	6	FB	2
<a href="#">17823</a>	PROGRAMMING PROJECT	6	OB	2
<a href="#">17828</a>	COMPUTERS AND SOCIETY	6	OB	2
<a href="#">19952</a>	DATA STRUCTURES	6	OB	2
<a href="#">19953</a>	PHYSICAL FUNDAMENTALS OF INFORMATICS	6	FB	2

### SECOND YEAR

Code	Subject	Credits	Type	Semester
<a href="#">17820</a>	COMPUTER STRUCTURE	6	FB	1
<a href="#">17827</a>	ANALYSIS OF ALGORITHMS	6	OB	1
<a href="#">17845</a>	TECHNOLOGICAL BUSINESS ADMINISTRATION	6	FB	1
<a href="#">19954</a>	ALGORITHMS AND ADVANCED DATA STRUCTURES	6	OB	1
<a href="#">19955</a>	FUNDAMENTALS OF DATABASE	6	OB	1
<a href="#">17829</a>	STATISTICS AND PROBABILITY	6	FB	2
<a href="#">17830</a>	MICROPROCESSOR-BASED SYSTEMS	6	OB	2
<a href="#">17831</a>	OPERATING SYSTEMS	6	OB	2
<a href="#">17832</a>	SOFTWARE ANALYSIS AND DESIGN	6	OB	2
<a href="#">17833</a>	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>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>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

Technical College  
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**ACADEMIC YEAR 2024/2025**

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