

TELECOMMUNICATIONS TECHNOLOGY ENGINEERING DEGREE

International accreditation EUR-ACE



ECTS CREDITS	
Basic training (FB)	72
Compulsory (OB)	114
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
18462	MATHEMATICAL ANALYSIS I	6	FB	1
18463	LINEAR ALGEBRA	6	FB	1
18464	PROGRAMMING I	6	FB	1
18465	INTRODUCTION TO PHYSICS	6	FB	1
18469	CIRCUIT ANALYSIS	6	FB	1
18466	INTRODUCTION TO ENGINEERING MANAGEMENT	6	FB	2
18467	MATHEMATICAL ANALYSIS II	6	FB	2
18468	PROGRAMMING II	6	FB	2
18470	ELECTRONIC DEVICE TECHNOLOGY	6	FB	2
18471	DIGITAL ELECTRONIC CIRCUITS	6	OB	2

SECOND YEAR

Code	Subject	Credits	Type	Semester
18472	STATISTICS	6	FB	1
18474	LINEAR SYSTEMS	6	FB	1
18476	NETWORK ARCHITECTURE I	6	OB	1
18478	ANALOGUE CIRCUITS AND POWER ELECTRONICS	6	OB	1
18479	INTRODUCTION TO MICROPROCESSORS	6	OB	1
18473	FUNDAMENTALS OF COMPUTER SYSTEMS	6	FB	2
18475	FUNDAMENTALS OF TRANSMISSION AND WAVE PROPAGATION	6	OB	2
18477	NETWORK ARCHITECTURE II	6	OB	2
18480	FILTER DESIGN	6	OB	2
18481	COMMUNICATION THEORY	6	OB	2

THIRD YEAR

Code	Subject	Credits	Type	Semester
18482	DIGITAL SIGNAL PROCESSING	6	OB	1
18483	SPECIALIZED INTEGRATED DEVICES	6	OB	1
18487	VIDEO AND AUDIO SYSTEMS AND SERVICES	6	OB	1
18502	TRANSMISSION MEDIA	6	OB	1
18504	MULTIMEDIA NETWORKS	6	OB	1
18485	DIGITAL ELECTRONIC SYSTEMS	6	OB	2
18489	MULTIMEDIA PROCESSING	6	OB	2
18505	DISTRIBUTED SYSTEMS	6	OB	2
20464	RADIO TRANSMISSION SYSTEMS	6	OB	2
	OPTIONAL SUBJECTS (1)	6	OP	2

(1) These subjects must be registered by the students that have chosen “Electronic Systems” or “Sound and Image”.

FOURTH YEAR IMPLANTATION: YEAR 2025-2026

Code	Subject	Credits	Type	Semester
	OPTIONAL SUBJECTS (1)	30	OP	1
18492	ENGINEERING AND SOCIETY	6	OB	2
18501	END-OF-DEGREE PROJECT	12	TFG	2
20465	TELECOMMUNICATION PROJECT ORGANIZATION AND PLANNING	6	OB	2
	OPTIONAL SUBJECTS (2)	6	OP	1 or 2

(1) These subjects must be registered by the students that have chosen “Electronic Systems” or “Sound and Image”.

(2) The subjects from the not chosen route can be registered as optional.

OPTIONAL SUBJECTS

Optional subjects from “Electronic Systems” route

Code	Subject	Credits	Type	Semester
18484	CONTROL SYSTEMS	6	OP	1
18493	INSTRUMENTATION AND MEASUREMENT	6	OP	1
18494	ELECTRONIC SYSTEMS TECHNOLOGY	6	OP	1
18495	ANTENNAS AND ELECTROMAGNETIC COMPATIBILITY	6	OP	1
18496	ARITHMETICS FOR SIGNAL PROCESSING	6	OP	1
18486	COMMUNICATION ELECTRONICS	6	OP	2

Optional subjects from “Sound and Image” route

Code	Subject	Credits	Type	Semester
18488	ACOUSTIC ENGINEERING	6	OP	1
18498	VISUAL SIGNAL PROCESSING	6	OP	1

Code	Subject	Credits	Type	Semester
<u>19889</u>	SPEECH AND AUDIO TECHNOLOGIES	6	OP	1
<u>19890</u>	SIGNAL ANALYSIS AND INFORMATION MODELLING	6	OP	1
<u>20466</u>	VIDEO ENCODING TECHNOLOGIES	6	OP	1
<u>19888</u>	IMAGE AND VIDEO TECHNOLOGIES	6	OP	2

COMMON TO ALL ROUTES

Code	Subject	Credits	Type	Semester
<u>18508</u>	DATABASE	6	OP	1
<u>19958</u>	CIBERSECURITY	6	OP	2
<u>20467</u>	DATA STRUCTURES	6	OP	2
<u>20468</u>	ANALYSIS OF ALGORITHMS	6	OP	2
<u>20469</u>	OPERATING SYSTEMS	6	OP	2
<u>20470</u>	TECHNOLOGICAL FUNDAMENTALS FOR MEDICAL IMAGING	6	OP	2
<u>20266</u>	FURTHER TOPICS IN TELECOMMUNICATION TECHNOLOGIES AND SERVICES 1	6	OP	1 or 2
<u>20267</u>	FURTHER TOPICS IN TELECOMMUNICATION TECHNOLOGIES AND SERVICES 2	6	OP	1 or 2

CENTRE

Technical College

Campus de Cantoblanco

28049 – Madrid

Phone: + 34 91 497 22 23/ 22 26

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