

ENGINEERING IN TELECOMMUNICATION TECHNOLOGY AND SERVICES DEGREE

International accreditation EUR-ACE



ECTS CREDITS	
Basic training (FB)	72
Compulsory (OB)	72
Optional (OP)	84
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
<u>18482</u>	DIGITAL SIGNAL PROCESSING	6	OB	1
<u>18502</u>	TRANSMISSION MEDIA	6	OB	1
<u>18483</u>	SPECIALIZED INTEGRATED DEVICES (1)	6	OP	1
<u>18484</u>	CONTROL SYSTEMS (1)	6	OP	1
<u>18487</u>	VIDEO AND AUDIO SYSTEMS AND SERVICES (2)	6	OP	1
<u>18488</u>	ACOUSTIC ENGINEERING (2)	6	OP	1
<u>18485</u>	DIGITAL ELECTRONIC SYSTEMS (1)	6	OP	2
<u>18486</u>	COMMUNICATION ELECTRONICS (1)	6	OP	2
<u>18489</u>	MULTIMEDIA PROCESSING (2)	6	OP	2
<u>19888</u>	IMAGE AND VIDEO TECHNOLOGIES (2)	6	OP	2
	ELECTIVE COURSES	24	OP	1 o 2

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

(2) These subjects must be registered by the students that have chosen “Sound and Image”.

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

FOURTH YEAR

Code	Subject	Credits	Type	Semester
	ELECTIVE COURSES	12	OP	
<u>18493</u>	INSTRUMENTATION AND MEASUREMENT (1)	6	OP	1
<u>18494</u>	ELECTRONIC SYSTEMS TECHNOLOGY (1)	6	OP	1
<u>18496</u>	ARITHMETICS FOR SIGNAL PROCESSING (1)	6	OP	1
<u>18498</u>	VISUAL SIGNAL PROCESSING (2)	6	OP	1
<u>18500</u>	DIGITAL TELEVISION (2)	6	OP	1
<u>19889</u>	SPEECH AND AUDIO TECHNOLOGIES (2)	6	OP	1
<u>18491</u>	TELECOMMUNICATION PROJECTS AND SYSTEMS	6	OB	2
<u>18492</u>	ENGINEERING AND SOCIETY	6	OB	2
<u>18495</u>	ANTENNAS AND ELECTROMAGNETIC COMPATIBILITY (1)	6	OP	2
<u>19890</u>	SIGNAL ANALYSIS AND INFORMATION MODELLING (2)	6	OP	2
<u>18501</u>	END-OF-DEGREE PROJECT	12	TFG	Annual

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

(2) These subjects must be registered by the students that have chosen “Sound and Image”.

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

OPTIONAL SUBJECTS

Optional subjects from Design and Implementation of Communications Electronic Systems route, complementary to “Electronic Systems”

Code	Subject	Credits	Type	Semester
<u>18504</u>	MULTIMEDIA NETWORKS	6	OP	1
<u>18489</u>	MULTIMEDIA PROCESSING	6	OP	2

Optional subjects from Audio and Video Processing and Communications route, complementary to "Sound and Image"

Code	Subject	Credits	Type	Semester
<u>18483</u>	SPECIALIZED INTEGRATED DEVICES	6	OP	1
<u>18496</u>	ARITHMETICS FOR SIGNAL PROCESSING	6	OP	1
<u>18504</u>	MULTIMEDIA NETWORKS	6	OP	1
<u>18503</u>	AUDIO AND VIDEO TRANSMISSION SYSTEMS	6	OP	2

COMMON TO ALL ROUTES

Code	Subject	Credits	Type	Semester
<u>18508</u>	DATABASE	6	OP	1
<u>18505</u>	DISTRIBUTED SYSTEMS	6	OP	2
<u>19958</u>	CIBERSECURITY	6	OP	2
<u>20266</u>	FURTHER TOPICS IN TELECOMMUNICATION TECHNOLOGIES AND SERVICES 1	6	OP	1 o 2
<u>20267</u>	FURTHER TOPICS IN TELECOMMUNICATION TECHNOLOGIES AND SERVICES 2	6	OP	1 o 2

CENTRE

Technical College

Campus de Cantoblanco

28049 – Madrid

Phone: + 34 91 497 22 23/ 22 26

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