

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	MATEMATICAL ANALYSIS I	6	FB	1
18463	LINEAR ALGEBRA	6	FB	1
18464	PROGRAMMING I	6	FB	1
18465	INTRODUCTION TO PHISICS	6	FB	1
18469	CIRCUIT ANALYSIS	6	FB	1
18466	INTRODUCTION TO ENGINEERING MANAGEMENT	6	FB	2
18467	MATEMATICAL 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>	ACUSTIC 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
<u>18490</u>	VIDEO TECHNOLOGY (2)	6	OP	2
	ELECTIVE COURSES	30	OP	

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

(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>18489</u>	MULTIMEDIA PROCESSING	6	OP	2
<u>18504</u>	MULTIMEDIA NETWORKS	6	OP	2

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

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

COMMON TO ALL ROUTES

Code	Subject	Credits	Type	Semester
18505	DISTRIBUTED SYSTEMS	6	OP	1
18508	DATABASE	6	OP	1
18506	OBJECT ORIENTED PROGRAMMING	6	OP	2
18510	ECONOMY AND BUSINESS	6	OP	2

OPTIONAL SUBJECTS NOT OFFERED IN 2021-2022

Code	Subject	Credits	Type	Semester
18507	OPERATING SYSTEMS	6	OP	
18509	MATHEMATIC METHODS FOR ENGINEERS	6	OP	

CENTRE

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