

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

THIRD YEAR

(Only for students from 4th year onwards with a pending subject to pass)

Code	Subject	Credits	Type	Semester
18482	DIGITAL SIGNAL PROCESSING	6	OB	1
18483	SPECIALIZED INTEGRATED DEVICES (1)	6	OP	1
18484	CONTROL SYSTEMS (1)	6	OP	1
18487	VIDEO AND AUDIO SYSTEMS AND SERVICES (2)	6	OP	1
18488	ACOUSTIC ENGINEERING (2)	6	OP	1
18502	TRANSMISSION MEDIA	6	OB	1
18485	DIGITAL ELECTRONIC SYSTEMS (1)	6	OP	2
18486	COMMUNICATION ELECTRONICS (1)	6	OP	2
18489	MULTIMEDIA PROCESSING (2)	6	OP	2
19888	IMAGE AND VIDEO TECHNOLOGIES (2)	6	OP	2
	OPTIONAL SUBJECTS	24	OP	1 or 2

(1) These subjects must be taken by students who choose Electronic Systems route.

(2) These subjects must be taken by students who choose Sound and Image route.

FOURTH YEAR

Code	Subject	Credits	Type	Semester
18493	INSTRUMENTATION AND MEASUREMENT (1)	6	OP	1
18494	ELECTRONIC SYSTEMS TECHNOLOGY (1)	6	OP	1
18495	ANTENNAS AND ELECTROMAGNETIC COMPATIBILITY (1)	6	OP	1

Code	Subject	Credits	Type	Semester
<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>19890</u>	SIGNAL ANALYSIS AND INFORMATION MODELLING (2)	6	OP	1
	OPTIONAL SUBJECTS	12	OP	1 or 2
<u>18491</u>	TELECOMMUNICATION PROJECTS AND SYSTEMS	6	OB	2
<u>18492</u>	ENGINEERING AND SOCIETY	6	OB	2
<u>18501</u>	END-OF-DEGREE PROJECT	12	TFG	Annual

(1) These subjects must be taken by students who choose Electronic Systems route.

(2) These subjects must be taken by students who choose Sound and Image route.

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 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

[Web Page](#)