

# TELECOMMUNICATIONS TECHNOLOGY ENGINEERING DEGREE

## International accreditation EUR-ACE



ECTS CREDITS	
Basic training (FB)	72
Compulsory (OB)	72
Optional (OP)	84
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="#">18462</a>	MATHEMATICAL ANALYSIS I	6	FB	1
<a href="#">18463</a>	LINEAR ALGEBRA	6	FB	1
<a href="#">18464</a>	PROGRAMMING I	6	FB	1
<a href="#">18465</a>	INTRODUCTION TO PHYSICS	6	FB	1
<a href="#">18469</a>	CIRCUIT ANALYSIS	6	FB	1
<a href="#">18466</a>	INTRODUCTION TO ENGINEERING MANAGEMENT	6	FB	2
<a href="#">18467</a>	MATHEMATICAL ANALYSIS II	6	FB	2
<a href="#">18468</a>	PROGRAMMING II	6	FB	2
<a href="#">18470</a>	ELECTRONIC DEVICE TECHNOLOGY	6	FB	2
<a href="#">18471</a>	DIGITAL ELECTRONIC CIRCUITS	6	OB	2

## SECOND YEAR

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

### THIRD YEAR

Code	Subject	Credits	Type	Semester
	ELECTIVE SUBJECT OF MENTION	12	OP	1
	OTHER ELECTIVE SUBJECTS	6	OP	1
<u>18482</u>	DIGITAL SIGNAL PROCESSING	6	OB	1
<u>18502</u>	TRANSMISSION MEDIA	6	OB	1
	ELECTIVE SUBJECTS OF MENTION	12	OP	2
	OTHER ELECTIVE SUBJECTS	18	OP	2

### FOURTH YEAR

Code	Subject	Credits	Type	Semester
	ELECTIVE SUBJECTS OF MENTION	18	OP	1
	ELECTIVE SUBJECTS OF MENTION	6	OP	2
<u>18492</u>	ENGINEERING AND SOCIETY	6	OB	2
<u>18501</u>	END-OF-DEGREE PROJECT	12	TFG	2
<u>20465</u>	TELECOMMUNICATION PROJECT ORGANIZATION AND PLANNING	6	OB	2
	OTHER ELECTIVE SUBJECTS	12	OP	1 or 2

### OPTIONAL SUBJECTS

#### Optional subjects from "Electronic Systems" mention

Code	Subject	Credits	Type	Semester
<u>18483</u>	SPECIALIZED INTEGRATED DEVICES	6	OP	1
<u>18484</u>	CONTROL SYSTEMS	6	OP	1
<u>18493</u>	INSTRUMENTATION AND MEASUREMENT	6	OP	1
<u>18494</u>	ELECTRONIC SYSTEMS TECHNOLOGY	6	OP	1
<u>18496</u>	ARITHMETICS FOR SIGNAL PROCESSING	6	OP	1
<u>18485</u>	DIGITAL ELECTRONIC SYSTEMS	6	OP	2
<u>18486</u>	COMMUNICATION ELECTRONICS	6	OP	2
<u>18495</u>	ANTENNAS AND ELECTROMAGNETIC COMPATIBILITY	6	OP	2

#### Optional subjects from "Sound and Image" mention

Code	Subject	Credits	Type	Semester
<u>18487</u>	VIDEO AND AUDIO SYSTEMS AND SERVICES	6	OB	1
<u>18488</u>	ACOUSTIC ENGINEERING	6	OP	1
<u>18498</u>	VISUAL SIGNAL PROCESSING	6	OP	1
<u>19889</u>	SPEECH AND AUDIO TECHNOLOGIES	6	OP	1
<u>20466</u>	VIDEO ENCODING TECHNOLOGIES	6	OP	1
<u>18489</u>	MULTIMEDIA PROCESSING	6	OP	2
<u>19888</u>	IMAGE AND VIDEO TECHNOLOGIES	6	OP	2
<u>19890</u>	SIGNAL ANALYSIS AND INFORMATION MODELLING	6	OP	2

**Out of mention**

Code	Subject	Credits	Type	Semester
<u>18504</u>	MULTIMEDIA NETWORKS	6	OP	1
<u>18508</u>	DATABASE	6	OP	1
<u>18505</u>	DISTRIBUTED SYSTEMS	6	OP	2
<u>19958</u>	CIBERSECURITY	6	OP	2
<u>20464</u>	RADIO TRANSMISSION SYSTEMS	6	OP	2
<u>20467</u>	DATA STRUCTURES	6	OP	2
<u>20468</u>	ANALYSIS OF ALGORITHMS	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

[Web Page](#)