

Degree Optatives		Code	ECTS	Autumn	Spring	English	Presenc	DEGREE	Code Plan 92	PLAN 92 (OLD MAJORS)	ECTS PLAN 92	MASTER
D. in Electronic Systems Engineering	COMPLI: Compliance of electronic products	230113	6	X				X				
	IESF: Introduction to photovoltaic solar energy	230102	6		X	X	P / NP	X	11585	X	5	
	CRS: Remote Control Systems	230108	6	X		X		X	11575	X	5	
	SAM: Sensors, Actuators and Microcontrollers in Mobile Robots	230105	6	X		X		X	11685	X	5	
	DSP-FPGA: Disseny de sistemes de DSP en temps real amb FPGAs	230114	6		X	X		X	11965	X	5	
	EI: Smart Electronics	230115	6		X	X		X	11966	X	5	
	DSX: Digital Systems using Embedded Linux	230116	6		X	X		X	11971	X	5	
	EA: Electrònica de l'automòbil	230107	6		X			X	11552	X	5	
Other Degree Optative Courses	PSC: Processament del Senyal en Comunicacions	230056	6	X	X			X				
	CDA: Comunicacions Digitals Avançades	230061	6	X	X			X				
	AAX: Processament del Senyal en Telecomunicacions	230066	6	X	X			X				
	AIM: Antenes i Microones	230068	6	X	X			X				
	PTD: Protocols de Transmissió de Dades	230071	6	X	X			X				
D. S. Telecommunication Technologies Engineering	AE: Acústica i Electroacústica	230023	6	X	X			X				
	PAV: Processament d'Audio i Veu	230022	6	X	X			X				
	PIV: Processament d'Imatge i Vídeo	230024	6	X	X			X				
	CM: Comunicacions Multimèdia	230025	6	X	X			X				
	SCTL: Sistemes de Control	230033	4,5	X	X			X				
	SSCM: Sistemes de Suport a les Comunicacions Mòbils	230044	4,5	X	X			X				
	IX: Infraestructures de Xarxes	230041	6	X	X			X				
	TCGI: Transport, Control i Gestió a Internet	230075	6	X	X			X				
	DAT: odificació de la Informació Disseny d'Aplicacions Telemàtiques	230047	6	X	X			X				
	XSF: Xarxes Sense Fils	230150	6	X				X				
D. in Telematics Engineering	CSI: Codificació i Seguretat de la Informació	230152	6	X	X			X	11970	X	5	
	SIX: Simulació de Xarxes	230151	6		X			X				
	PXC: Planning Communications Networks	230153	6	X				X	11661	X	5	
	EQSIP: Enginyeria de Qualitat de Servei en Xarxes IP	230154	6		X			X	11962	X	5	
	GXS: Networks and services management	230155	6	X		X		X	11636	X	5	
	DR: RADIO RECEIVER DESIGN	230250	6	X				X	11532	X	5	
D. in Telecommunications Systems Engineering	RAD: Radar	230251	6	X		X		X	11540	X	5	
	TELED: Remote Sensing and Earth Observation Systems	230252	6	X		X		X	11969	X	5	
	LCM: Laboratori de Comunicacions Mòbils	230253	6	X	X			X	32137	X	5	
	SDR: Sistemes i Dispositius Radio	230254	6		X			X				
	FIBSYS: Optical-Fiber Telecommunication Systems for Internet (IP@over WDM)	230255	6	X	X	X (Spring)	P / NP	X	11974	X	5	
	DSP-FPGA: Real-Time DSP System Design with FPGA	230256	6		X	X		X	11965	X	5	
	TELESP: Space Communications	230257	6		X	X		X	11675	X	5	
	FFE: Financial topics for entrepreneurship	230802	6		X	X		X				
	LS: Laser	230803	6	X		X		X	11674	X	5	
Cross Degree Optative	OPTO3D: Dispositius Optoelectrònics i Visió 3D	230100	6	X				X	11968	X	5	
	AIR: Astronomy & Radioastronomy	230804	6		X	X	P / NP	X	11637	X	5	
	TW: Technical Writing	230805	6	X	X	X		X	11607	X	5	
	TECH: Technology and Culture	230806	6		X	X		X	11638	X	5	
	MTCD: Marketing, Tecnologia i competències Directives a l'Empresa	230807	6		X			X	11972	X	5	
	FQG: QUANTUM PHYSICS	230800	6	X		X	P / NP	X	11594	X	5	
	STAT: Statistics	230808	6		X	X		X	11967	X	5	
	MAE: MATLAB AND ITS APPLICATIONS IN ENGINEERING	230206	6	X	X	X	NP(Virtual)	X	11530	X	5	
	CLP: Classificació de Patrons: Aplicacions en Tractament del Senyal	230202	6	X	X		NP	X	11539	X	5	

Master Optatives				Autumn	Spring	English	Presenc	DEGREE	Code 92	PLAN 92	ECTS 92	MASTER
Telecommunication Engineering	CN: Communication networks	230650	5	X	X	X				X	5	X
	OVNET: Overlay networks	230651	5	X	X	X				X	5	X
	ESDC: Electronic System Design for Communications	230652	5	X	X	X						X
	EIO: Electronic Instrumentation and Optoelectronics	230653	5	X	X	X						X
	MTPT: Microwave, terahertz and photonic technologies	230608	5	X		X				X	5	X
	RSEN: Remote sensing systems for Earth observation	230609	5		X	X				X	5	X
	RADN: Radar and radionavigation systems	230610	5		X	X				X	5	X
	IT: Information theory	230611	5	X		X				X	5	X
	AMC: Advanced mobile communications	230612	5		X	X				X	5	X
	AOFC: Advanced optical fibre communication	230613	5		X	X				X	5	X
	DSIT: Distributed systems, Internet and web technologies	230614	5	X	X	X				X	5	X
	ITSM: Information technology service management	230615	5	X		X				X	5	X
	QSN: Quality of service in networks	230616	5	X	X	X				X	5	X
	NS: Network security	230617	5	X	X	X				X	5	X
	WAN: Wireless access networks	230618	5	X	X	X				X	5	X
	NET: Networks	230619	5	X	X	X				X	5	X
	DIVP: Digital Image and video processing	230620	5	X		X				X	5	X
	ICV: Introduction to computer vision	230621	5		X	X				X	5	X
	DSAP: Digital speech and audio processing	230622	5	X		X				X	5	X
	ST: Speech technologies	230623	5		X	X				X	5	X
	MLEARN: Machine learning	230625	5		X	X				X	5	X
Electronic & Telecommunication E	PCP: Power control and processing	230641	5	X	X	X	P / SP			X	5	X
	AACT: Advanced Analog Circuit Techniques	230642	5	X	X	X	P / SP			X	5	X
	IS: Instrumentation and Sensors	230643	5	X	X	X	P / SP			X	5	X
	ADS: Advanced Digital Systems	230644	5	X	X	X	P / SP			X	5	X
	MNT: Micro and Nanotechnologies	230645	5	X	X	X	P / SP			X	5	X
	MND: Micro and Nano Electronic Design	230646	5	X	X	X	P / SP			X	5	X
	MTEPC1: Management of Telecom Engineering Projects and Companies 1	230654	5		X	X	P			X	5	X
Electronic Engineering	CSAS: Custom Smart Adaptive Systems	230662	5		X	X	SP			X	5	X
	RICS: Radiofrequency Integrated Circuits and Systems	230663	5		X	X	P / SP			X	5	X
	AMS: Analog and Mixed-Signal System-On-Chip Design	230665	5		X	X	P			X	5	X
	SCPD: System on Chip Physical Design	230667	5		X	X	P			X	5	X
	ACSA: Advanced control of sensors and actuators	230668	5		X	X	P			X	5	X
	MEMS: Microelectromechanical Systems	230669	5	X		X	P / SP			X	5	X
	EDM: Electronic Devices Modelling	230670	5		X	X	P / SP			X	5	X
	US: Ultrasonic systems. Instrumentation and applications	230671	5		X	X	P / SP			X	5	X
	EIS: Electronics Instrumentation Systems for Marine Applications	230672	5		X	X	P			X	5	X
	EMC: EMC in Electronic Design	230673	5	X		X	S			X	5	X
	BID: Biomedical Instrumentation Design	230674	5	X		X	P / SP			X	5	X
	EDIS: Energy Management for Distributed and Integrated Systems	230675	5	X		X	P / SP			X	5	X
	PCRES: Power Control for Renewable Energy Systems	230676	5		X	X	P / SP			X	5	X
	ACEC: Alternating Current Energy Converters: Design, Control and Applications	230677	5	X		X	P / SP			X	5	X
	MOSIC: Modelling, Simulation and Control of Power Electronic Systems	230678	5	X		X	P			X	5	X
	PVS: Photovoltaic Systems	230679	5		X	X	P / SP			X	5	X