

TELECOMMUNICATION, SOUND, AND IMAGE SYSTEMS ENGINEERING

BACHELOR PROGRAMME (240 ECTS)

LEARN HOW TO ENCODE, TRANSMIT, RECIEVE AND PROCESS INFORMATION IN ANY
FORMAT, FROM DIGITAL TO AUDIO AND VIDEO MEDIA.

Engineering and Architecture. Information and Communications Technologies
External placement: max. 13,5 ECTS (optional)
Campus of Gandia – UPV



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

STUDY PLAN

CODE – SUBJECT	YEAR SEMESTER // ECTS
11269 – Circuits analysis	1A // 6
11266 – Mathematics 1	1A // 6
11267 – Programming 1	1A // 6
11265 – Mathematics 2	1AB // 9
11264 – Physics	1AB // 9
11283 – Basics of computer networks	1B // 6
11263 – Economy in telecommunication	1B // 6
11268 – Electronic Devices	1B // 6
11275 – Programming 2	1B // 6
11277 – Acoustics	2A // 4,5
11279 – Digital systems principles	2A // 4,5
11276 – Electromagnetic Fields	2A // 4,5
11271 – Electronic Circuits	2A // 6
11270 – Signals and Systems	2A // 6
11303 – English for Telecommunications Engineering*	2AB // 4,5
11301 – Communication network architectures	2B // 6
11274 – Communication Theory	2B // 4,5
11280 – Microprocessors based systems	2B // 4,5
11278 – Propagation	2B // 4,5
11272 – Telecommunication Networks and Systems 1	2B // 6
13013 – Mathematical tools applied to telecommunications	2B // 4,5
13016 – Matlab for telecommunications engineering	2B // 4,5
11311 – TECHNICAL VALENCIAN	2B // 4,5
11291 – Antennae and radiopropagation	3A // 6
11282 – Conversion and control of energy	3A // 4,5
11273 – Digital communication	3A // 6
11302 – Digital treatment of signal	3A // 6
11304 – Networks and telecommunication systems 2	3A // 4,5
11281 – Programmable Digital Systems	3A // 4,5
11292 – Transducers and acoustic instrumentation	3A // 4,5
11293 – Acoustics for building	3B // 4,5
11313 – Basic technical German	3B // 4,5
11297 – Digital treatment of audio	3B // 4,5
11324 – Electronics applied to audio	3B // 4,5
11325 – Instrumentación avanzada	3B // 4,5
11327 – Instrumentación biomédica	3B // 4,5
11321 – Mobile device programming	3B // 4,5
11288 – Optical communication	3B // 4,5
11290 – Signal treatment in communication	3B // 4,5

CODE – SUBJECT	YEAR SEMESTER // ECTS
11987 – Sistemas de captación, almacenamiento y representación de video	3B // 4,5
11294 – Sound equipment and systems	3B // 4,5
11305 – TV and Video Systems	3B // 6
11289 – Wireless communication systems	3B // 4,5
11285 – Circuitos de alta frecuencia y microondas	4A // 6
11295 – Flujo de datos multimedia	4A // 4,5
11284 – Implementación de sistemas de comunicaciones	4A // 7,5
11299 – Ingeniería Acústica Ambiental	4A // 4,5
11296 – Instalaciones audiovisuales	4A // 4,5
11306 – Network broadcast audio and video	4A // 4,5
11286 – Proyecto A	4A // 6
11300 – Proyecto B	4A // 7,5
11287 – Redes ópticas	4A // 6
11298 – Tratamiento digital de imagen y video	4A // 4,5
11993 – Bachelor's Thesis	4B // 12
11330 – Comunicaciones espaciales y radiodeterminación	4B // 4,5
13259 – Creación de empresas	4B // 4,5
13261 – Effective oral presentations*	4B // 4,5
11329 – Ejercicio libre de la profesión de ingeniero de Telecomunicación	4B // 4,5

SEMESTER A = WINTER SEMESTER

SEMESTER B = SUMMER SEMESTER

*Subjects held in English



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