



Universitat
de les Illes Balears

ENGINEERING AND ARCHITECTURE

TELEMATICS ENGINEERING



#SOM
UIB



What does it cover?

The Degree in Telematics Engineering trains students in technologies, systems, services and applications that are instrumental to both information technology and telecommunications.

What skills will you acquire?

Telematics engineers have wide-ranging skills including: designing data transmission networks; communications protocols; the Internet; telephone switching and signalling; architecture and operating systems for telematics systems; web servers; the design of web-based applications and services, and security on communication networks.



Higher Polytechnic School
Administrative Services:
Anselm Turmeda Building
Tel.: 971 17 29 99
secretaria.at@uib.cat

DEGREE

What career opportunities will you have?

- As a technical telecommunications engineer: planning installing, managing and maintaining communications networks; producing communal building infrastructure projects (ICT); designing and auditing networks; designing and implementing security systems and tools; designing and developing telematic applications and services; designing and developing communications protocols (TCP/IP), etc.
- As an expert (expert reports and legal expertise) or a consultant (developing regulations, standards)
- As a teacher and a researcher.

What profile should you have?

- An ability for teamwork
- An ability for problem-solving
- An ability for taking initiative
- Perseverance.

MORE INFORMATION

<http://estudis.uib.cat/grau/telematica>

<http://eps.uib.cat>

alumnos@uib.cat 971 10 10 70

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CURRICULUM

FIRST YEAR

Semester One	<ul style="list-style-type: none"> Mathematics II – Calculus* Linear Algebra and Discrete Mathematics* Foundations of Physics* Introduction to Telematics Business*
Semester Two	<ul style="list-style-type: none"> Calculus II* Computers and Operating Systems* Introduction to Electronics* English for Engineering (elective) Programming – Computer Studies I*

SECOND YEAR

Semester One	<ul style="list-style-type: none"> Random Probabilities and Processes* Signals and Systems* Advanced Programming Digital Electronics Foundations of Telecommunications Networks
Semester Two	<ul style="list-style-type: none"> Operator Networks Local Networks and Intranets Propagation, Transmitters and Receivers Microprocessors and Microcontrollers Foundations and Applications of Digital Signal Processing

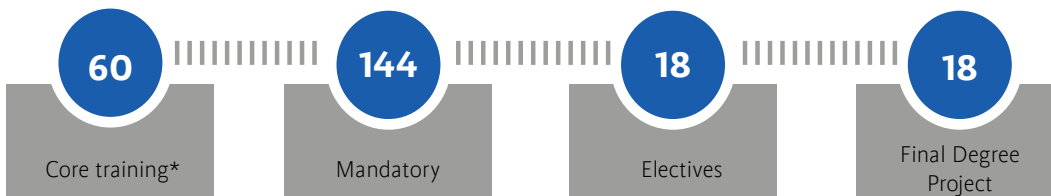
THIRD YEAR

Semester One	<ul style="list-style-type: none"> Software Engineering and Databases Network Architecture and Interconnection Data Transmission Network Architecture Applications Networks Planning
Semester Two	<ul style="list-style-type: none"> Network Management Telecommunication Installations I Multimedia Networks Applications and Telematic Services Security in Telematic Networks

FOURTH YEAR

Semester One	<ul style="list-style-type: none"> Projects Electronics Laboratory Laboratory of Networks, Applications and Telematic Systems Computer Laboratory Elective
Semester Two	<ul style="list-style-type: none"> Laboratory of Networks and Telecommunication Projects Elective Final Degree Project

ECTS Credits: 240



Did you know...

To achieve your title you must accredit B2-level English or pass the English for Engineering elective course?

The curriculum does not include mandatory external placements, but it does give students the opportunity to do their Final Degree Project at a company.

LAST UPDATED: MAY 2018

LAST REVISED: JULY 2019

MORE INFORMATION

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