Bachelor's degree in Informatics Engineering
Barcelona School of Informatics (FIB)
2017-2018 academic year

The bachelor's degree in Informatics Engineering provides the knowledge needed to conceive, design, develop, maintain and manage computer systems, services, applications and architectures and to understand and apply relevant legislation. You will also become an expert in new methods and technologies in the field of ICTs. You can choose one of five majors:

Major in Computing
You will acquire the scientific and technical fundamentals that will enable you to design efficient solutions to computing challenges, particularly in artificial intelligence, bioinformatics and virtual reality.

Major in Computer Engineering
You will be trained in the design of computers and digital devices that integrate hardware, software and communications, such as supercomputers, mobile phones, mp3 players, medical equipment, robots and image processing systems.

Major in Software Engineering
You will learn to build reliable, efficient software systems that meet user and corporate requirements and to manage the people, resources and stages in a project, from the definition of the client’s needs to the construction and deployment of a system.

Major in Information Systems
You will specialise in using information technologies to improve organisational processes in ways that enable the organisation to deploy its strategies and meet its aims, making it more efficient, innovative and competitive.

Major in Information Technologies
You will be trained in the design and installation of computer networks and the applications needed to satisfy the needs of organisations in keeping with security requirements.

Majors
- Computing
- Computer Engineering
- Software Engineering
- Information Systems
- Information Technologies

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**INTRODUCTION**

**Duration**
4 years

**Study load**
240 ECTS credits (including the bachelor's thesis). One credit is equivalent to a study load of 25-30 hours.

**Delivery**
Face-to-face
Timetables
  Mornings / Afternoons

Fees and grants
  Approximate fees per academic year: €2,431 (€3,646 for non-EU residents). Consult the public fees system based on income (grants and payment options).

Official degree
  Recorded in the Ministry of Education's degree register

Double-degree agreements
  With universities around the world
  - Bachelor's degree in Informatics Engineering + Master's degree in Innovation and Research in Informatics with the École d'Ingénieurs: Informatique et Systèmes d'Information pour la Santé (ISIS) - Institut National Universitaire Champollion
  
  **Within the framework of the courses offered by the Interdisciplinary Higher Education Centre (CFIS)**
  You can also take an interdisciplinary double degree coordinated by the CFIS at two UPC schools.

  Further information on the web del CFIS

ADMISSION

Places
  400

Registration and enrolment
  What are the requirements to enrol in a bachelor's degree course?

Legalisation of foreign documents
  All documents issued in non-EU countries must be legalised and bear the corresponding apostille.

PROFESSIONAL OPPORTUNITIES

Professional opportunities
  - Management, innovation and supervision of informatics in all kinds of organisations.
  - Software development, advice, consulting and technological support in ICT companies and others.
  - Teaching and research.
  - Management posts such as information systems manager, development manager, production and commercialisation manager, and head of informatics.
  - Technical or middle management posts such as project supervisor; functional analyst; head of department; consultant; database architect; quality, methodology or organisational officer; and systems architect.
  - Technical posts such as database administrator, network and systems officer, and information systems security officer.

ORGANISATION

Academic calendar
  General academic calendar for bachelor's, master's and doctoral degrees courses

Academic regulations
  Academic regulations for bachelor's degree courses at the UPC

Language certification and credit recognition
  Queries about language courses and certification
This bachelor’s degree is also taught at
- Vilanova i la Geltrú · EPSEVG · Show degree

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**THIRD SEMESTER**

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January 2018. UPC. Universitat Politècnica de Catalunya - BarcelonaTech