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— Applied Mathematics
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— Programming
— Treatment and codification of information
— Web technologies and databases
— Telecommunication projects

And above all to be a Mathematician and Engineer.

Who is it for?

— Science and Technology Baccalaureate students
— Students interested in mathematics, new technologies, telecommunications, computing and the Internet
— Students with the ability to solve problems and propose solutions

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Mathematics is the fundamental science behind many applications such as cybersecurity, high-speed networks or massive data processing, sectors that are led by telematics engineering.

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Programme

The double degree lasts 5 years (339 ECTS).

	Engineering and business	Telecommunication networks and systems	IT and software development	General Mathematics	Applied Mathematics and Statistics
1°	· Physics I and II · Graphic expression	· Fundamentals of computer networks · Electronic circuits	· Computing · Logic and discrete mathematics	· Linear algebra and geometry I · Mathematical analysis I	· Basic statistics
2°	· Business	· Computer network architectures		· Mathematical analysis II · Topology · Algebraic structures · Linear algebra and geometry II	· Numerical methods for linear algebra · Mathematical programming · Ordinary differential equations
3°		· Operating systems · Digital electronic systems I · Fundamentals of telecommunication systems	· Advanced computing · Digital electronic systems I · Digital electronic systems II	· Classic differential geometry	· Probability · Numerical approximation · Mathematical statistics
4°	· Projects management	· Cibersecurity · Communication theory · Signal processing and transmission · Electronic and photonic devices	· Software engineering · Programming · Databases and information systems · Web applications development	· Hilbert spaces and Fourier analysis	· Partial differential Equations
5°	· Renewable energy · Internship · Final Project	· Systems administration and maintenance		· Mathematical analysis IV · Algebraic equations	· Numerical calculus

Final Project
Choose your subject and the teacher and/or the company where to do it.

International mobility
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— Expert in telecommunication networks
— Administrator and Designer of IT systems and services
— Expert | Technological auditor | Ethical hacker
— Analyst | developer
— Data Analyst | Financial analyst
— Statistician
— Teacher
— Researcher, Head of R+D+i, Technology Manager

Connection with postgraduate studies

— Master in Telecommunications Engineering
— Master in Biostatistics
— Master in Web Technologies, Cloud Computing and Mobile Applications
— Master in Mathematical Research
— Master in Data Science
— PhD Program in Mathematics
— Doctoral Program in Information Technology, Communications and Computing
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