

Study the double degree in Mathematics / Computer Engineering at the UV

- Extensive practical training
- Small groups
- Highly equipped laboratories
- Work placements / Internships
- International mobility

What will you learn in this double degree?

- Algebra, Mathematical Analysis, Geometry and Topology
- Statistics and Operations Research
- Applied Mathematics
- Computer applications development
- Computer networks
- Web technologies and Databases
- Artificial intelligence
- Computer security
- Computer projects management

And, above all, how to be a mathematician and an engineer.



Metrovalencia. Line 4 (Vicent Andrés Estellés o À Punt stop)
 EMT. Line 63 (Xàtiva – Noves Facultats)
 Metrobus. Line 165 (Quart de Poblet – Manises – Paterna – Burjassot)
 Valenbisi Mibisi Bike lane València – Burjassot

Universitat de València
 Facultat de Ciències Matemàtiques
 Campus de Burjassot - Paterna

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www.uv.es/double-degree/mathematics-computer-engineering

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In an era marked by the digital revolution, there is a growing demand for people with complete mathematical training who also know engineering methodologies to contribute to the development and use of information and communication technologies. The double degree program provides a strong training that combines these two aspects, also providing the necessary skills and abilities to understand and exploit the existing interrelationships between mathematics and computer engineering.

Accept the double challenge.

Double Degree in Mathematics / Computer Engineering

ETSE-UV FACULTAT DE CIÈNCIES MATEMÀTIQUES



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www.uv.es/etse
www.uv.es/matematicas

Programme

The double degree lasts 5 years.
(351 ECTS)

General Mathematics	Applied Mathematics and Statistics	Engineering	Software development, IS and AI	Computer, systems and networks
1° · Linear algebra and geometry I · Mathematical analysis I	· Basic statistics	· Physics · Business	· Informatics · Programming · Logic and discrete Mathematics	· Computer Technology · Fundamentals of computers
2° · Linear algebra and geometry II · Mathematical analysis II · Topology · Algebraic structures	· Mathematical programming · Numerical Methods for linear algebra · Ordinary differential equations	· Ethics. Legislation and profession	· Algorithms and data structures	
3° · Classic differential geometry	· Numerical approximation · Probability	· Software engineering I	· Human Computer Interaction · Operating systems · Automata and formal languages · Databases	· Computer structure · Computer organization · Fundamentals of computer networks
4° · Hilbert spaces and Fourier analysis	· Partial Differential Equations	· Project management · Software engineering II	· Programming languages · Web apps development · Database management · Intelligent systems	· Computer architecture · Computer network architecture · Computer security
5° · Mathematical analysis IV · Algebraic equations	· Numeric calculus · Mathematical statistics	· Business techniques · Company Internships · Final Project		· System administration maintenance

Final project

Choose your subject and professor and/or a company.

International mobility

Ample opportunities of international mobility.
Agreements with +100 foreign universities.

Work placements / Internships

Choose your work placement among +100 sector companies. Minimum duration: 260 hours.

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DG MII



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Career opportunities

- Computer systems analyst and software developer
- IT systems and networks administrator
- IT service designer
- Database administrator
- Technological Consultant, Expert or Auditor
- Technology manager
- Data Analyst
- Financial analyst
- Statistician
- Teacher
- Researcher, R+D+I responsible

Connection with postgraduate studies

- Master's Degree in Bioinformatics
- Master's Degree in Biostatistics
- Master's Degree in Web Technologies, Cloud Computing and Mobile Applications
- Master's Degree in Mathematical Research
- Master's Degree in Data Science
- Doctoral Programme in Mathematics
- Doctoral Programme in Information Technologies, Communications and Computing
- Doctoral Programme in Statistics and Optimisation