



Undergraduate Degree in Computer Engineering

Computer engineering is the discipline that integrates several areas of electrical engineering and computer science, which are required to develop computer hardware and software.

Computer engineers are involved in many hardware and software aspects of computing, from the design of individual microprocessors, personal computers, and supercomputers, to circuit design. This field of engineering not only focuses on how computer systems themselves work, but also how they integrate into larger macro-systems.

In the broad subject field of computer science, the UGR is currently ranked 42nd in the world (Shanghai Academic Ranking of World Universities, ARWU 2014) We enable our students to become professionals with a solid basis in all the main branches of computer science. This will position them as experts with the ability to overcome any of the challenges that they may face during their career. Our graduates are capable of analysing, designing, and developing a multitude of computer systems and programmes.

Staff at our faculty are among the best in the world in their field, and both their teaching and research are internationally renowned. We also strive to keep our degree up to date: as computer science advances, our teaching methodologies and resources are updated and improved upon in line with these advances.

This four-year degree is comprised of three learning stages: basic subjects, core subjects, and elective subjects. Students will be able to attend classes in fields such as logic, calculus, computer science, statistics, programming and technology.

Computer engineers are now in demand in many fields in both the private and public sectors: computer software companies, banks, security companies, research centres, ministries, and marketing firms, to mention but a few, are constantly seeking computer programmers. Our course offers endless opportunities, and the field of computer engineering is growing exponentially, with new job prospects appearing with each new advance. By 2020, it is estimated that there will be approximately 900,000 unfulfilled computer programming positions in the EU alone. This

exponential growth in demand is very good news for those interested in pursuing a career in the field. Moreover, programmers are sought after not just in Spain, but all over the world. As such, our Degree in Computer Engineering essentially opens a lot of doors, in a lot of countries.

Computer engineering is a cornerstone of our society. Without computers and computer science, most current technological systems would not function. Of course, behind every system there must be someone designing, programming, updating, maintaining and improving it. Computer engineers are vital experts for the correct functioning of these systems and, therefore, are an essential asset in contemporary society.

ECTS Credits	240
Duration	4 academic years (September/October to June each year approximately)
Start Date	Autumn
Language	Spanish
Tuition Fees	€757 (approximately)
Application Period	June - September (approximately)
Offered by	Vice-Rector's Office for Undergraduate and Postgraduate Teaching
How to apply	Please visit the Applications and Admissions Section

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