



Master's Degree Program Computer Engineering

General information

Requirements: Bachelor's degree; foundations of Computer and Software Engineering

Duration: 4 semesters (3 semesters coursework + 1 semester thesis)

ECTS credits: 120

Instruction language: English

Mission statement

To provide students with advanced knowledge in computer engineering theory and practice, familiarize them with the evolution of the current techniques, develop research abilities and prepare them for successful careers as key contributors in hardware design and research projects.

Competencies and knowledge acquired

- advanced knowledge of the main topics in computer engineering
- knowledge of current technologies and ability to apply them in project development
- critical, innovative and research abilities
- communication skills, interdisciplinary cooperation and team project management



Courses

The curriculum is structured into three course categories:

- breadth courses present core areas of computer engineering knowledge at an advanced level (e.g., Advanced embedded systems, Testing of computer systems, Advanced digital signal processing, Integrated information systems)
- depth courses provide an engineering treatment of major topics related to computer engineering (e.g., Smart sensors and sensor networks, Data transmission, coding and compression, Optic fiber transmissions, Evolvable hardware)
- free electives permit an individual choice of specialization from a variety of subjects (e.g., Emerging systems, High-end interfaces and equipments, Virtual measurement systems, Advanced Artificial Intelligence)

These courses are supplemented by a thread that develops research skills, starting with a course on Research topics in computer engineering, and continuing with directed research leading up to the final Master's project developed over the entire 4th semester.

Why Computer Engineering ?

Computing and computer technology are part of just about everything that touches our lives from the cars we drive, to the movies we watch, to the ways businesses and governments deal with us. Studying computer engineering will provide you with valuable knowledge about how to find efficient solutions to increasingly complex and challenging problems of computer systems.



Career opportunities

Computing jobs are among the highest paid and have the highest job satisfaction. Computing is very often associated with innovation, and developments in computing tend to drive it, therefore we insist on teaching research and development skills. The possibilities for future developments are expected to be even greater than they have been in the past. Computing career has space for both collaborative work and individual effort.



Contact

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