

EMCSE
European Masters Course in Software Engineering

Duration: 2 years

Course description:

Software Engineering (SE) is one of the fields of the Computing (or Computer Science – CS) which deals with the establishment and use of sound engineering principles (methods) in order to obtain economically software that is reliable and works on real machines.

The objective of the “European Masters Course in Software Engineering” (EMSE) is to train software engineers that meet the requirements of international software practice today, offering them an inter-European study programme based on the coordination of the strengths of each of the partner institutions.

The EMSE consortium was set up by universities and professors excelling in the SE area, which places the EMSE in an unbeatable position for contributing to European competitiveness and excellence in the SE field.

The EMSE surpasses existing SE postgraduate educational offers in different ways. From a strategic point of view:

- Enabling students to train in SE with some of the most outstanding European researchers.
- Enabling students to get a broad view of software development in different European countries (note that the EMSE consortium is composed of countries from northern and southern Europe with a view to encouraging the integration of and acquaintance with their different cultures).

From a tactical point of view:

- Providing students with broader educational opportunities than are offered by national masters programmes in the field.
- Allowing students to gather expertise on different working strategies, providing them with two tutors from two different institutions of the consortium.
- Defining a coordinated SE programme accepted by all partners of the consortium that will contribute to defining a “de facto” standard for graduate SE education in Europe, as well to shape SE as a discipline on its own.

The EMSE will provide students with a thorough education comprising both theoretical and practical knowledge that will enable them to tackle and develop software solutions to many problems that they will come up against in their professional career. Studying at least two universities in Europe (with English as the language of instruction, accompanying language classes in another European language) in multi-national groups will contribute to the student's preparation for the increasing globalisation of software commerce and industry. The course also prepares the students for follow-up PhD studies provided by the participating partners and others.

Website: <http://www.fi.upm.es/emse>

Partners:

Technical University of Madrid, Spain (Co-ordinating institution)
Technical University of Kaiserslautern, Germany
Free University of Bolzano, Italy
Blekinge Institute of Technology, Sweden

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Grant:

1 065 000 € (15 000 € consortium + 1 050 000 € scholarships), 2007
894 000 € (15 000 € consortium + 879 000 € scholarships), 2008
823 000 € (15 000 € consortium + 808 000 € scholarships), 2009