European Master Course in Software Engineering

Free University of Bozen-Bolzano (Italy)

Blekinge Tekniska Högskola (Sweden)

Technische Universität Kaiserslautern (Germany)

Call for Student Applications (second session)

EMSE 2014-2016

Deadline July 31th, 2014

Application web site: http://emse.inf.unibz.it
Online Application at: http://emse.case.unibz.it/submissions/index.php

European Commission, Directorate-General for Education and Culture, EAC	Executive Agency for Education, Culture and Audiovisual, EACEA
Education and Culture **Erasmus Mundus**	EAC EA Education, Audiovisual & Culture Executive Agency

1. OVERVIEW

The Consortium of the Free University of Bozen-Bolzano (Italy), the Blekinge Tekniska Högskola (Sweden), and the Technische Universität Kaiserslautern (Germany) offer a two year (120 ECTS credits) Joint Masters Programme, named European Master Course in Software Engineering (EMSE).

Mission

The objective of EMSE is to educate professionals in the field of Software Engineering. Software engineering aims at the creation of high quality software in a systematic, controlled, and efficient manner. The participants will be able learn and use sound engineering principles and practices in order obtain economically viable software that is reliable and works on real machine.

Description of the Programme

A curriculum in Software Engineering covers a wide range of topics, such as software process management, verification and validation, software design, and requirements engineering, and a pool of specialities like software quality, distributed systems and development, open source software, and agile methods.

Structure of the Programme

The curriculum consists of core topics, specificities, a project, an internship, and a master thesis.

The full structure can be accessed at http://www.inf.unibz.it/emse-dokuwiki/emse/description

The programme foresees a mobility period in two different universities of the Consortium. The student will spend one year in one university (the "first university"), and one year in another university (the "second university") according to a learning path, i.e. the first year and the second year university. The learning paths and the relative study plans are accessible at http://www.inf.unibz.it/emse-dokuwiki/emse/learning_paths

Project and thesis work will be carried out at the second university and will be jointly supervised and evaluated by two supervisors, one from each university.
(for more information see http://www.inf.unibz.it/emse-dokuwiki/emse/rules)

Starting term

The term starts between August – October depending on the first university local regulation.

Learning outcomes

EMSE aims at training students in emerging research domains that shape the future of Software Engineering. It prepares students for industry and research carriers as PhD programmes.

After completing the EMSE studies the student will have gained expertise, competence, and practical skills on software management and quality, innovation and creativity, software process and product standards, social and economic market of IT, and teamwork.

The international dimension of the Masters Course guarantees that students familiarise with different educational methods and cultures.

Language

All courses are taught in English.

Students are requested to get at least 2 ECTS in the local language (free of charge) in each university visited on top of the 120 ECTS.

Internship Program

At the second year students will be hosted in the EMSE associated partners for a mandatory internship.

2. MASTERS DEGREE

Upon the successful completion of the curriculum and fulfilment of the Masters course requirements, students will be awarded a double degree, one for each university they have visited. The official names of the awarded degrees are:

- a Master of Science in Computer Science (Laurea Magistrale) from the Free University of Bozen-Bolzano or

- a Master of Science in Software Engineering from the Blekinge Tekniska Högskola or

- a Master of Science in Computer Science from the Technische Universität Kaiserslautern

3. ADMISSION

Students are accepted in the program regardless of sex, age, or nationality.

To be admitted, applicants need to fulfil the admission criteria and be in ranking list or in the reserve list for the selection criteria.

4. ADMISSION CRITERIA

In order to be considered for the selection all students must fulfil the following admission requirements:

- Respect the application deadline
- Provide proof of proficiency in English language. TOEFL (>=550 (paper based), >=213 (computer-based), or >=81(internet-based)), IELTS (>=6.0) or equivalent certificates. Only applicants who are Nationals and/or first-degree-holders of Antigua & Barbuda, Australia, The Bahamas, Barbados, Belize, English-speaking Canada, The Gambia, Ghana, Grenada, Guyana, Republic of Ireland, Jamaica, Kiribati, Liberia, Mauritius, Micronesia, New Zealand, Nigeria, Papua New Guinea, St. Kitts-Nevis, St. Lucia, St. Vincent, Sierra Leone, Solomon Islands, Trinidad & Tobago, United Kingdom, United States of America, Zambia or Zimbabwe do not have to submit language certificates. The consortium can request a further personal interview to assess the student's English level.

- Have been awarded a BSc in Software Engineering, Computer Science or Computer Engineering or degrees with equivalent skills in the three areas (Software Engineering, Computer Science or Computer Engineering)
- Provide a certificate of the subjects taken during their degrees, along with the marks obtained and the number of hours/credits devoted to each subject (Transcript of records).

5. SELECTION CRITERIA

Applicants that fulfil the admission criteria will be ranked according to the selection criteria.
A ranking list and a reserve list will be defined for each learning path according to the following criteria:

- Language skills
- Type of entrance qualification
- Academic records
- Work experience and professional qualifications
- Motivation and willingness.

Only applicants of the ranking list and reserve list are admitted to the program.

6. TUITION FEE

- € 4,270/year for NON-EU students while staying at FUB and UNIKL and 100,000 SEK/year plus € 427/year (about € 11,727) while staying at BTH

NON-EU applicants are all the applicants not in EU category.

- € 2,720/year for EU Students.

EU applicants are applicants who are residents of programme countries: the 28 Member States of the European Union, the European Economic Area / European Free Trade Association (Iceland, Liechtenstein, Norway), the EU candidate countries: Turkey, the former Yugoslav Republic of Macedonia and the Swiss Confederation.

Tuition fees cover any participation cost to EMSE.

Students will be provided access to the facilities of the participating universities (library, computers, laboratories, wi-fi, Internet, alumni associations, university sport associations).

7. OTHER SCHOLARSHIPS

Other sources of funding around the world are available at the web page:
http://www.inf.unibz.it/emse-dokuwiki/emse/other_grant

8. HOW TO APPLY
The application is on-line at the central EMSE website
http://emse.case.unibz.it/submissions/index.php

Students that need an accommodation must apply by June 20th, 2014 and will be notified on June 25th, 2014. Admitted applicants that requires an accommodation at FUB must contact the EMSE secretariat and request the accommodation by June 30th, 2014.

Enrolment procedures will start after deposit payment of the first instalment (see "how to enrol").

Applicants will be requested to fill out the on-line application and to provide the following documents in electronic form:

- A copy/photocopy of the applicant's passport (or identity card for EU applicants). Only pages with a photo and personal data.
- A copy/photocopy of the IELTS, TOEFL, or CAE certificate.
- A copy/photocopy of all academic degree certificates (i.e. Bachelor or equivalent, Master or equivalent) or other postgraduate degrees/academic qualifications. If the degree is not in English, German, or Italian, an English translation is needed, made by an officially recognised translator or your University.
- Copies/photocopies of all official transcripts or other official academic records that give proof of the higher education studies (i.e. Bachelors, Masters etc.) including credits and grades achieved in each single subject. Snapshots of university websites are not accepted.
- Working experience (if any).
- A Motivation Letter.

Additional documents or an interview may be requested.

Unreadable or incomplete documents or late submissions will not be considered.

In the application, students must specify the learning path, i.e. the first year and the second year university. Students selected for one type of path cannot later change the two universities of destination.

Students are ranked by learning paths.

HOW TO ENROL

Admitted students will be contacted by the EMSE project manager and guided in the enrolment procedure.

Admitted students must pay the tuition fee by

September 15th, 2014

9. IMPORTANT DATES/DEADLINES

- June 2th, 2014 — submission opening date for EU and NON-EU applicants with at least 12 consecutive months in EU
- June 20th, 2014 — submission closing for applicants that need an accommodation

- June 25th, 2014 — notification to applicants that need an accommodation
- June 30th, 2014 — participation confirmation of applicants that need an accommodation & deadline of application for accommodation at FUB
- July 31th, 2014 — submission closing date for EU and NON-EU applicants with at least twelve consecutive months in EU
- August 7th, 2014 — notification to applicants
- August 20th, 2014 — participation confirmation of applicants
- September 15th, 2014 — payment of the first-year tuition fee for all admitted applicants

10. CONTACTS

EMSE secretariat

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