European Masters Programme in Software Engineering

Free University of Bozen-Bolzano (Italy)

Technische Universität Kaiserslautern (Germany)

Universidad Politécnica de Madrid (Spain)

University of Oulu (Finland)

Call for Student Applications

EMSE 2015-2017

Second Session

Deadline July 15th, 2015

Application web site: http://emse.inf.unibz.it

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

1. OVERVIEW

The Consortium of the Free University of Bozen-Bolzano, Italy (UNIBZ), the Technische Universität Kaiserslautern, Germany (UNIKL), Universidad Politécnica de Madrid, Spain (UPM), and the University of Oulu, Finland (OY) offer a two-years (120 ECTS credits) Joint Masters Programme, named European Masters Programme 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, 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's 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 accomplish a local language course in each university visited.

Internship Program

At the second year students will be hosted by 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 (Italy) or~~

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

- a Master Universitario en Ingeniería del Software - European Master on Software Engineering from the Universidad Politécnica de Madrid (Spain) or

- ~~a Master of Science in Information Processing Science from the University of Oulu (Finland)~~

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 the ranking list or in the reserve list for the selection criteria.

4. ELIGIBILITY CRITERIA

For this session EU students or NON-EU students with 12 consecutive months in Europe at the date of the call can apply.

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

- Respect the application deadline
- Provide proof of proficiency in English language. TOEFL (>=550 (paper based), >=213 (computer-based), or >=78 (internet-based)), IELTS (>=6.0) or equivalent certificates.
  - For more information regarding "Equivalent certificates", applicants are advised to visit http://www.inf.unibz.it/emse-dokuwiki/_media/emse/english_certificate_conversion.pdf
- Applicants from a country that belongs to the Commonwealth of Nations or where English has the recognized status of "Official language" are not required to submit English language certificate. However, 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. ADMISSION CRITERIA

Students that fulfil the eligibility criteria will be admitted according to the admission criteria.

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

Each session the selection commission defines a quality threshold. Students will be ranked according to these criteria and the commission will admit students that have reached the quality threshold.

6. TUITION FEE

For each academic year, the tuition fee is € 2.720/year for EU Students and NON-EU applicants with at least 12 consecutive months in the EU at every university **except** UPM where the tuition fee is € 4.257 for EU Students.

EU: are applicants who are residents of countries within the European Union and the European Economic Area / European Free Trade Association (Iceland, Liechtenstein, and Norway)

NON-EU: are all applicant not in the EU category. Please note that for this call only NON-EU applicants with at least 12 consecutive months in the EU can apply.

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

Tuition fees do not cover costs of Health insurance. Students have to procure and pay for it autonomously if required or needed.

7. EMSE SCHOLARSHIPS

In this call there will be no scholarship of the EMSE consortium.

8. OTHER SCHOLARSHIPS

Depending on the financial availability, EMSE partners may individually announce other scholarships. Check periodically the page: http://www.inf.unibz.it/emse-dokuwiki/emse/introducing_emse

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

9. SELF-PAYING STUDENTS

We are happy to consider students with other sources of funding, for a limited number of places. In this case, students will have to pay the tuition fee:

- € 2.720/year for EU Students and NON-EU applicants with at least 12 consecutive months in the EU, except at UPM where tuition fee is € 4.257/year.

Tuition fees cover any participation cost to EMSE.

10. HOW TO APPLY

The application is on-line at the central EMSE website
https://emse.case.unibz.it/submissions/index.php

The EMSE Master at UNIBZ is under the process of accreditation and is foreseen to receive the result in March. Therefore, UNIBZ no longer offers the course for EMSE in this edition 2015-2017 but continues to be the Coordinator of EMSE.

Applicants will be notified about the admission decision and whether they will be offered a scholarship.

Registration procedures as well as visa procedure will also start after acceptance and enrolment deposit payment.

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. **Once a student is selected for one type of path, s/he cannot change the two universities of destination.**

Students cannot apply for more than one type of grant.

Students are ranked by learning paths. Students in the reserve list can be offered to another type of grant if available.

11. HOW TO ENROL

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

- Later payments do not ensure a place in program.
- **No** reimbursement of the first instalment to students will be implemented in any case.

12. IMPORTANT DATES

- **May 15th, 2015 — submission opening date for EU and NON-EU applicants with at least 12 consecutive months in the EU at the date of this call**
- July 15th, 2015 — submission closing date for EU and NON-EU applicants with at least 12 consecutive months in EU
- July 20th, 2015 - notification of admission to admitted students
- July 22nd, 2015 – confirmation of participation
- October 5th, 2015 – deadline of payment of the full tuition fee from Second-Session admitted students and payment of the rest of the tuition fee from First-session admitted students

13. CONTACTS

EMSE secretariat

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