Erasmus + Joint Master Degrees

22 September 2017

SAPIENZA
UNIVERSITÀ DI ROMA

E+ JOINT MASTER DEGREES

- Integrated Master Degrees Joint Master Degree (JMD) is a high-level integrated international study programme of 60, 90 or 120 ECTS, delivered by an international consortium of higher education institutions (HEI) and-where relevant-other educational and/or non-educational partners.
- It awards a joint, double or multiple degree

- Excellent Study Programmes
- Very strong cooperation and integration among participating universities and powerful tool for internationalisation and quality assurance

E+ JOINT MASTER DEGREES

- Scholarships for both EU and Non EU beneficiaries
- Approx 75% non EU and 25% EU students
- 3 cohorts of Master students

Erasmus Mundus and E+ Joint Master Degrees at Sapienza

3 Erasmus Mundus Joint Master Degrees:

- ATOSIM Atomic scale modelling of Physical, Chemical and Bio-molecular systems > Ecole normale supérieure de Lyon, Universiteit van Amsterdam, Vrije Universiteit Amsterdam

- STEPs Sustainable Transportation and Electrical Power Systems > Universidad de Oviedo, University of Nottigham, Polytechnic Institute of Coimbra

- ARCHMAT Archaeological Materials Science > Universidade de Évora

  Aristotle University of Thessaloniki

ATOSIM Atomic scale modelling of Physical, Chemical and Bio-molecular systems

Ecole normale supérieure de Lyon, Universiteit van Amsterdam, Vrije Universiteit Amsterdam

- AtoSiM is a two-year Physics or Chemistry Masters degree focused on computer modelling of physical, chemical and biomolecular systems.

AtoSiM is operated jointly by:

- Ecole normale supérieure de Lyon, France
- Universiteit van Amsterdam, The Netherlands
- Vrije Universiteit Amsterdam, The Netherlands
- Università degli studi di Roma, "la Sapienza", Italy

- This two-year degree provides a high-level qualification in the rapidly expanding field of computer modeling in physical, chemical and bio-molecular sciences. This highly integrated Course covers a full range of techniques: from quantum mechanical atomistic descriptions to coarse-grained mesoscopic models. Particular fields of application include condensed matter and statistical physics, chemistry, physical chemistry, materials science and theoretical bio-molecular science.

- The study program is divided into four parts. All students follow courses first in Amsterdam, then in Rome, and finally in Lyon to obtain a triple diploma. The forth semester is devoted to research in laboratories either in Amsterdam, Rome, Lyon or one of our 21 additional partners.

- Students obtain a triple degree. Admission into the master degree is decided on the basis of academic excellence by a selection committee composed of representatives from each partner institution. Applicants should have at least three years of prior studies majoring in physics, chemistry, engineering, applied mathematics or bio-informatics. Proof of English proficiency is also required.

ATOSIM Atomic scale modelling of Physical, Chemical and Bio-molecular systems

Erasmus Mundus AtoSiM Program
Email: atosim@ens-lyon.fr

http://www.erasmusmundus-atosim.cecam.org/

STEPs Sustainable Transportation and Electrical Power Systems

The EMMC STEPS is promoted by a partnership led by the University of Oviedo (ES), together with the University of Nottingham (UK), the University of Rome (IT) and the Polytechnic Institute of Coimbra (PT). Prestigious international universities, as the University of Wisconsin-Madison and the University of Illinois (USA), the University of Santa Maria (BR) and the **University of Yeungnam (KOR)**

www.emmcsteps.eu

"Erasmus Mundus STEPS program is a perfect international program. The STEPS program not only cultivates our ability to do academic research but also adequate skills to work in a company.The organizers of STEPS program are very helpful. If we have problems, they will offer a lot of help. If we have any complaints about the program, they will make improvement as quickly as possible. Thanks to Erasmus Mundus STEPS program, I have gained abundant knowledge and strong practical skills to start my career. Now, I am employed by ***State Grid Corporation of China****, the largest electric utilities company in China*

Shan Huang

There are certain occurrences in life which shape your future and have a significant affect on your professional as well as personal life. For me one such was getting admission in the prestigious Erasmus Mundus Masters Course in STEPS. After the completion I joined back my previous company ***NTPC Ltd, which is India's Biggest Power Producer*** *and now I am working in the Renewable Energy Department responsible for putting up Solar Parks and Wind Farms in India. I feel I am at the right place at the right time, given the changing scenario in the power industry and the push from the Central Government for renewable energy*

Shreenidhi Sharma

STEPs Sustainable Transportation and Electrical Power Systems

Global leading companies in energy and transportation sectors are associated members, offering traineeship and career development opportunities

ARCHMAT Archaeological Materials Science

ARCHMAT is a 2-years Erasmus Mundus Master Course
specialized skills in archaeology and analytical charaterization of materials from prehistory (megalithic) to classical times (Greek and Roman)
strong multidisciplinary connotation and requires skills that span across the Humanities and Science research fields. ARCHMAT provides a common, integrated platform for high quality students coming from different educational backgrounds (Science and Humanities) to understand the advanced scientific methods used to investigate archaeological materials and aims to form highly specialized professional experts in the emerging field of Archaeometry, i.e Physical Sciences applied to the study of Archaeological and Cultural Heritage materials

3 partner universities: University of Evora, Rome Sapienza, Thessaloniki-AUTH

Associate partner universities
(Avignon, Palermo, Zaragoza, Fez-UF, Universidade Estadual de Rio de Janeiro-UERJ, Polytechnic University of Turin and Universidad de Burgos

3 non HEI Research centres:
Laboratorio Jose Figueiredo/Instituto dos Museus e da Conservacao-IMC,
Scientific Laboratory Musei Vaticani-MV,
Archaeological Museum of AIANI)

ARCHMAT Archaeological Materials Science

Information: archmat@uevora.pt
http://www.erasmusmundus-archmat.uevora.pt/

Grazie per l'attenzione!

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