MSc Renewable Energy - RENE

Welcome webinar for new students

Barcelona
Stockholm
Lisbon
Paris

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Programme Director
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Entrepreneurship
Leadership
Innovation
Research

EDU activities

MSc RENE. Programme Overview. RENE V2 +

Programme outline

Certified copies sent to the AO before August 15

The first year includes core training in advanced technology concepts and methods, as well as in sustainable energy production and utilisation. Topics like energy economy and markets, and energy and environment are also included.

Courses in Management and Entrepreneurship.

These courses aim to provide students with the necessary concepts and tools so they can successfully tackle and prepare a business plan for a new venture or for launching an innovative product to the market.

Winter School: February Y1 (1,5 weeks)
Summer School: July; between Y1 and Y2 (3 weeks)
140 h training. Diploma by ESADE Business School

Year 2 Specialization:

- Solar Photovoltaics – PV (Paris-Saclay and UPC)
- Solar Thermal Electricity – STE (KTH and UPC)
- Wind Energy (Paris-Saclay, IST)
- Hydropower (Paris-Saclay, IST)
- Ocean and Offshore Energy (Paris-Saclay, IST)
- Biomass and Biofuels (IST, KTH)
- Integration of renewable systems to the energy system (KTH, Paris-Saclay and UPC)

MSc RENE

Entrepreneurship, Leadership, Innovation, Research

EDU activities

KIC InnoEnergy
Leading Engine for Innovation and Entrepreneurship in Sustainable Energy
Making the difference

What makes MSc RENE different from other masters in renewable energy is the set of added value characteristics that can be summarized as follows:

- The Innovative and high quality educational contents.
  - Strong mobility concept.
  - Alignment with the concept of “learning by doing” of KIC InnoEnergy.
  - Unique focus in business and entrepreneurship
  - KIC Added Value Activities
- The involvement of the energy industry
- Networking with major European players and other students in the field of sustainable energy.

Integration of added Value Activities

The Engineering & Business Case concept integrated in other courses (like entrepreneurship courses and project courses)

Cases are presented as emulating the work in a company already established or emulating the creation of a new venture.

Lecturing, supervising, and grading are jointly by university professors and specialized personnel from other stakeholders, within the knowledge triangle.
The Engineering & Business Case learning methodology

The E&BC combines
- The Case Method and the PBL (Problem/Project Based Learning)
- the Engineering in the Renewable Energy field and Business Skills in order to bridge the GAP between TECHNOLOGY and BUSINESS.

The Engineering & Business Case learning process

Semester 1
E&BC-1
- Kick-off of the Engineering and Business Case module.
- Students take courses on energy engineering fundamentals, also on energy economy and energy markets.

Winter School
- Training in business creation fundamentals

Sem. 2
E&BC-2
- Innovation Seminar & Summer School
- Deep training in Management and Entrepreneurship

Sem. 3
E&BC-3
- Students applying their knowledge and skills to a real case (in multi-disciplinary and multi-country groups).
- MSc Thesis in company
Role of industrial partners

Currently, more than 25 companies are actively participating in MSc RENE, including areas like curriculum design, applicants’ selection process, promotion, teaching, master thesis internships and job opportunities.

MSc RENE. Programme Calendar

Find the starting date in your admission letter

Last week of September, Lisbon
Catolica Lisbon Business School

November 30, Germany
KIC Master School kick-off (year 1 students)

Early February, 1 week, Barcelona
ESADE Business School

Spring Semester

Entrepreneurs in a week
Developing a business idea in the framework of this entrepreneurship-related course.

Management and Entrepreneurship Winter School
It aims to train you in the fundamentals of entrepreneurship. After completing this course, we expect you being able to tackle and prepare feasibility studies for innovation processes.

The first year includes core training in advanced technology concepts and methods, as well as in sustainable energy production and utilization. 60 ECTS. Y1, S1 & S2

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Winter School: February Y1 (1.5 weeks)

Summer School: July, between Y1 and Y2 (3 weeks)
148 h training. Diploma by ESADE Business School

Engineering & Business Case
RENE students work in their engineering and business case studies with industry representatives from the energy sector, as well as with entrepreneurs in the go-to-market process of a product, including the product’s feasibility analysis.
MSc RENE. Programme Calendar

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Mid-July, UPC, Barcelona
E&BC-2 projects presentations
Mid-July, UPC, Barcelona
RENE Innovation Seminar
End of July, UPC, Barcelona
Holistic Sustainability Approach for Innovations

Management and Entrepreneurship Summer School
This three-week course aims to provide you a deep training in Management and Entrepreneurship. After completing this course, we expect you being able to tackle and prepare a business plan, manage innovation in companies or even create your own venture.

IST UPC
KTH
École Polytechique (Paris-Saclay)

Applications for year 2 university
Mid-February – March 2018

Students preferences
(85% of students go to their 1st choice)
Seats available
Y1S1 academic performance
You must pass at least 48 ECTS of year 1 to pass to year 2

Year 2 Specialization:
Solar Photovoltaics – PV (Paris-Saclay and UPC)
Solar Thermal Electricity – STE (KTH and UPC)
Wind Energy (Paris-Saclay, IST)
Hydropower (Paris-Saclay, IST)
Ocean and Offshore Energy (Paris-Saclay, IST)
Biomass and Biofuels (IST, KTH)
Integration of renewable systems to the energy system (KTH, Paris-Saclay and UPC)

December:
Graduation Ceremony
Master Thesis Awards

Spring Semester
February-July
We offer positions for the MSc thesis in our industrial partners
Can be in a different country than the y2 university

30 ECTS; Y2, S2

2019-04-10
Thank you

Any questions?

Find out more www.kic-innoenergy.com
MSc RENE is the only renewable energy master program in the world that provides students the finest skills in research, innovation, entrepreneurship & leadership for the today's market needs.

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