

EUROPEAN DIMENSION

To ensure the **European** dimension of the Master programme, students have to study in at least two different countries.

SESyM IS COORDINATED BY EUREC

EUREC is the voice of renewable energy research in Europe, representing European Research Centres active in renewable energy.

EUREC was founded with the goal of improving the quality and scope of European research and development in renewable energy technologies.

The purpose of the association is to promote and support the development of innovative technologies and human resources to enable a prompt transition to a sustainable energy system.

PARTNERING UNIVERSITIES*

Hanze UAS (The Netherlands)
Howest UAS (Belgium)

Università di Pisa (Italy)
Universidad de Zaragoza (Spain)

**Partnering Universities in 2019-2020*



EUROPEAN MASTER IN SUSTAINABLE ENERGY SYSTEM MANAGEMENT

Programme coordinated by



For any further information:
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EDUCATING SUSTAINABLE ENERGY MANAGERS

The European MSc programme SESyM focuses on the business and economic aspects of the energy system. It provides the economical, management skills and technical knowledge you need for employment in the renewable energy industry, through real life business cases and projects.

Completing this Master programme, you will be able to analyse, design, and implement business cases and sustainable energy systems with a systemic and interdisciplinary approach, making you an asset to the whole energy industry.

COURSE STRUCTURE

The 16-month programme is divided into three semesters.

A **core semester** in Hanze University of Applied Sciences (NL) where you acquire a solid foundation in systems management.



THREE SPECIALISATIONS

For the last six months, upon completion of the specialisation, students gain practical experience through a **project** undertaken in a company or a research centre. In December, each student comes to Brussels to present the results of the six-month project.

HOW TO APPLY

The minimum entrance criteria are a Bachelor degree in Business, Economics, Environmental Sciences, Engineering, Social Sciences, Political Sciences, Geology, Engineering Management, Energy management, ICT or Architecture.

Candidates have to apply online, between January and June, for admission in September the same year.

Please visit the SESyM Master website for detailed information:
www.sesym.eurec.be

1

HOWEST UAS SUSTAINABLE ENERGY AND ICT

- Energy Audit & Dashboarding
- Big Data & Internet of Things
- Artificial Intelligence & Machine Learning
- Smart Grids, Renewables & Storage
- Energy Services & Legislations
- Blockchain & Security

2

UNIVERSITY OF ZARAGOZA SUSTAINABLE ENERGY MANAGEMENT

- Socio-economic Aspects of Energy
- Renewable Energy Markets
- Electricity and Efficiency Energy Markets
- Systems and Tools for Energy Management
- Start Up and Management of Energy Service Companies (ESCOs) and Projects

3

HANZE UAS SYSTEM INNOVATION MANAGEMENT

- System Model Applications
- Energy Infrastructures and Renewables
- Intelligent information Services
- System Business Case: Economics & Law
- Energy Business Plan Development
- Applied Research Energy Systems