

# European Master in Nuclear Energy (EMINE). When academy meets industry.

**EMINE broadens the scope of traditional nuclear education and opens up the access to an industry with high recruitment needs.**

**Duration: 2 years**

**120 ECTS Credits**

**Language: English**

**EMINE**  
**European Master in Nuclear Energy**

A unique programme combining technical training with innovation and **entrepreneurship** skills.

## Academic content

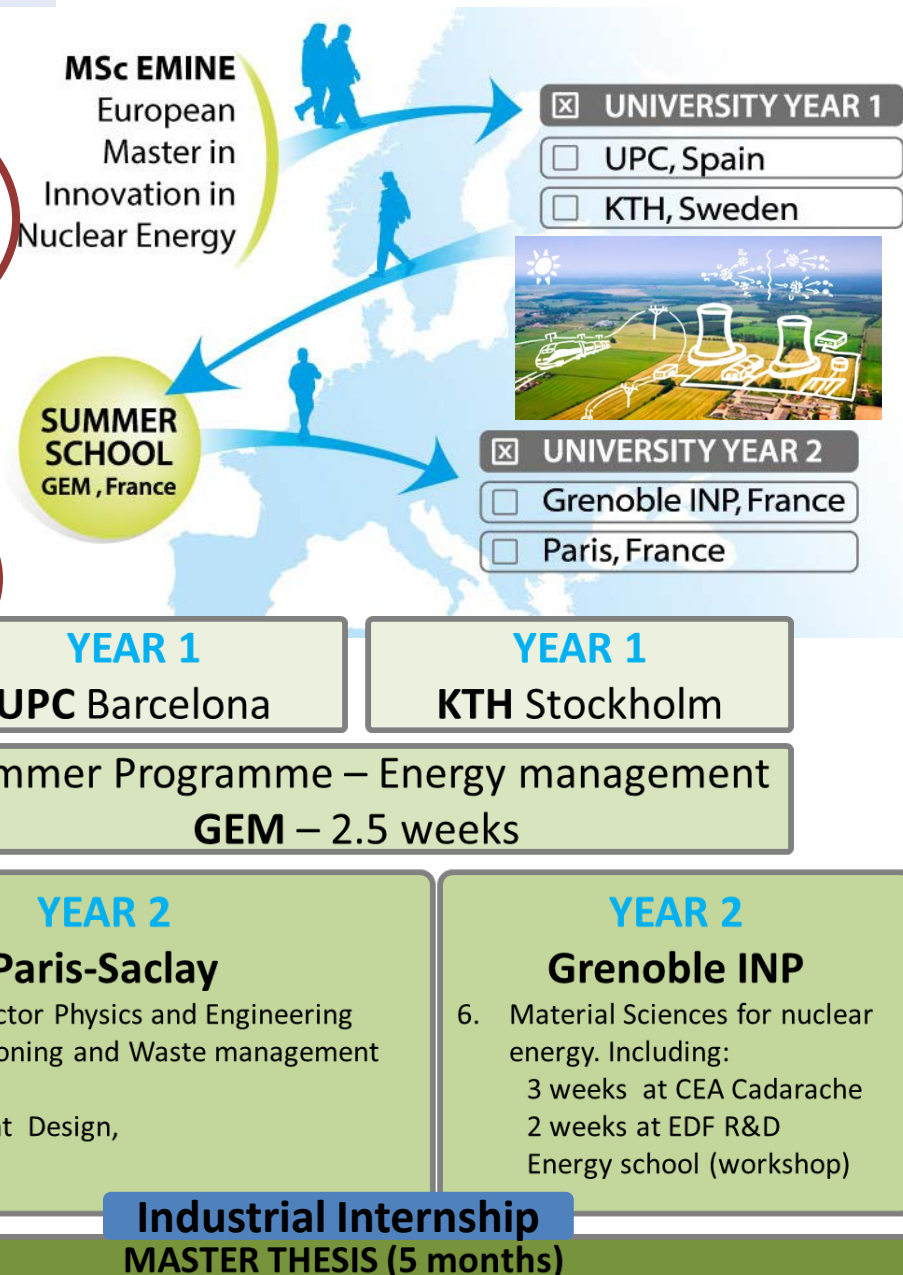
MSc EMINE program teaches students about energy management issues and gives them an in-depth knowledge of the nuclear industry.

- The fundamentals of nuclear engineering
- Safety and radiation protection
- Design and operation of power plants
- Materials in nuclear energy
- Nuclear fuels
- Waste management and decommissioning
- Management and innovation in energy

L. Batet (UPC); E. Ferrié (G-INP); L. Salvo (G-INP); P. Anzieu (INSTN-CEA);  
B. Reynier (UPSay); W. Gudowski (KTH); C. Hugonnard (EDF); M. Moussavi (AREVA);  
E. Serra (Endesa); A-L. Vernay (GEM)

International mobility resulting in a **double degree** from two prestigious European universities

Strong involvement of **industry**: AREVA, EDF, ENDESA and INSTN-CEA.



European Institute of Innovation and Technology  
**EIT Label** awarded on 2017 for 5 years

## Students opinion:

**Unique and specialised courses** in the field of Nuclear Engineering  
**Double-diploma** is still a unique thing in European Union. Ability to travel and learn is a dream of every student.

**Cooperation with industry** enables EMINE to invite specialists to the lectures (beyond the academic value of this action, the professionals transmit an idea about possible work conditions and positions in future career.)

KIC InnoEnergy covers the cost of the **tuition fee** of students from the EU/EEA and of the best students from other countries. **KIC InnoEnergy** also offers **scholarships** to top applicants and also covers the costs related to events integrated in the curriculum (Kick-off event, summer school, field visits, etc.)

**On finishing the Programme, students enjoy of good job or PhD opportunities worldwide.**

**Äspö Hard Rock Laboratory 480 m deep (Sweden)**

**ENSA factory, Santander (Spain)**

**Materials Ageing Institute (EDF, Paris)**

**Turbine building of a Spanish PWR plant.**



**Some activities derived from the industrial involvement in EMINE**