

# European Master in Renewable Energy Programme learning outcomes

**February 2017**

After completion of the European Master in Renewable Energy, graduates will be able to demonstrate:

1. Sound knowledge of the role of Renewable Energy technologies in a climate and resource constrained energy sector.
2. Technical knowledge on different renewable energy technologies covering the following aspects:
  - evaluation of the resource
  - principles of the conversion process
  - Choice of materials
  - Design of systems
  - Performance of systems in operation
  - Use of models and tools for simulation and sizing
3. Understanding and assessment of the role and importance of regulatory frameworks in the context of Renewable Energy
4. Skills in analytical and research methodology, including a reflective and critical approach, relevant for Renewable Energy.
5. Specific expertise in one of the following technologies:
  - Photovoltaics
  - Wind Energy
  - Grid Integration
  - Solar Thermal
  - Ocean Energy
  - Sustainable Fuel Systems for Mobility
6. Capacity to apply scientific knowledge to a professional situation, as a reflective practitioner.
7. Capacity to work in a multicultural team
8. Capacity to communicate information in a clear and structured way in both oral and written format.