



Department of Energy Engineering is taking part in the following project:

- **Erasmus Mundus** program supported by European Union
 - European Community Action program seeks to
 - ✓ enhance the quality of European higher education worldwide
 - ✓ promote intercultural understanding between Europe and third (non-EU) countries.
 - http://eacea.ec.europa.eu/erasmus_mundus/index_en.php
- **Erasmus Mundus program**
 - Supports top-quality masters Courses
 - ✓ Offered by European university consortia
 - And provides EU-funded scholarships
 - ✓ Cat A: for third (non-EU) country nationals
 - ✓ Cat B: for others students (mostly EU students)
- **Consortium of 5 European prestigious higher education institutions**
- **Coordinating institution**
 - **Ecole des Mines de Nantes (EMN, FRANCE)**
- **Participating Institutions**
 - Universidad Politécnica de Madrid (UPM, SPAIN)
 - KTH Royal Institute of Technology Stockholm (KTH, SWEDEN)
 - Queen’s University of Belfast (QUB, Northern Ireland)
 - **Budapest University of Technology and Economics (BME, Hungary)**
- **Department of Energy Engineering**
- **ME3**
 - Interdisciplinary program which brings together
 - ✓ (1) Management and Engineering
 - ✓ (2) Energy and Environment
 - ✓ (3) European and outside Europe collaboration
- **ME3 = a unique program in European higher education**
 - constitute the “raison d’être” of the university consortium
 - ✓ 2 year accounting for 4 semesters (120 ECTS)
 - 3 academic semesters, 1 master theses semester
- **Objective of the course : Prepare students to work...**
 - ...both in industrial or academic sectors
 - ...in internationally oriented working environments
 - ✓ Need of a solid background in process technology
 - ...with the ability to deal with multi-cultural management

Detailed informations: <http://www.emn.fr/z-de/me3-site/>

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Job opportunities, typical jobs for ME3 students:

- **Project engineer**
 - Design and/or construction and/or improvement of industrial units
 - ✓ Clean technologies/processes (treatment of air, water, waste and soils)
 - ✓ Energy conversion and distribution systems
- **Exploitation or production engineer**
 - Runs and manages an industrial production unit at different levels
 - ✓ Technical, financial, human, regulatory
 - Coordinates and implements environmental management activities
- **Business or consultant engineer**
 - Assesses new markets and develops new activities
 - International level
 - ✓ Carries out audits and consultancy for industry, mainly for sustainability and transfer of new technologies
- **Research & Development engineer (including PhD opportunities)**
 - Designs, carries out experimental studies
 - Develops models and simulates innovative processes applied to air, water, waste treatments or energy production

