Renewable Energies program (6 credit hour)

Option A: 11th June- 20th July 2012 Spanish+ RREE

Option B: 25th June- 20th July 2012 RREE

The program is organized by the University of Kentucky in conjunction with Pamplona Learning Spanish Institute and the Association of Industry Engineers of Navarre, Spain. This specialized program on renewable energy will provide students with advanced knowledge of this sector.

Course of study: the course content is appropriate for students in chemical, civil, electrical, material and mechanical engineering program and the syllabus has been designed to be compatible with US accreditation criteria. Students may choose from two learning opportunities: option A- two-week general Spanish course as well as a four-week course on renewable energies; option B- only the four-week renewable energies course. Both options include on-site visits to renewable energy generation sites. The program will take place in Pamplona, Navarra, Spain, in June- July 2012.

Goals and objectives: the main goal is to provide students with the skills they need for their professional careers in the energy sector with a focus on renewable energy sources.

- To understand the framework and current status of the renewable energy industry sector both in Spain and United States.
- To analyze the different renewable technologies in order to implement them in different industrial and cultural settings.
- To understand and evaluate the technical viability of new projects and the environmental effect of renewable energy projects.
- To gain a working knowledge of renewable energy facilities and their components: wind turbines, solar collectors, photovoltaic panels, biomass energy production technologies, hydraulic generators and turbines and geothermal installations.

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