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Study Abroad Program for International Engineering Students
ICAi-SAPIENS

UNIVERSIDAD PONTIFICIA COMILLAS ICAI-ICADE
Madrid (Spain)
Spring / Summer 2016
ICAISAPIENS is a program designed for engineering students interested in getting international experience without missing technical courses required for their graduation.

We offer a set of engineering courses taught in English and a set of Spanish Culture and Language courses which, combined with leisure activities, will make the students get immersed in the Spanish Culture.

**Location**

Calle Alberto Aguilera 23-25, 28015 Madrid, Spain.

The ICAI School of Engineering is located in downtown Madrid, within walking distance to the most significant historic landmarks in our city.

Madrid is conveniently situated in the center of Spain, with easy access (typically in less than 3 hours by high-speed train or highway) to the most interesting tourist attractions and cities in Spain. Madrid International Airport is the busiest airport in Spain, and offers direct flights to the most important cities in Europe, including flights to all capital cities of the countries in the European Union.

**Spring SAPIENS**

From January 11th to April 29th.

**Fundamental Engineering Courses** are meant to be equivalent to major subjects in a standard U.S. engineering sophomore year.

- DMA-SAP-230 Introduction to Differential Equations
- DIM-SAP-231 Thermal Physics
- DIM-SAP-232 Quantum Physics
- DIM-SAP-233 Introduction to Dynamics
- DEA-SAP-235 Introduction to Electric and Electronic Circuits
- DIM-SAP-336 Thermodynamics
- DMA-SAP-431 Applied Linear Algebra

**Technological Courses** recommended for international engineering students.

- DIM-OPT-432 Nanotechnology
- DEA-OPT-431 Automotive Electronics
- DIM-OPT-433 Automotive Engines
- DEA-OPT-438 Aerospace Electronics
- DIE-OPT-434 Energy Economics: Primary Sources, Electric Power Systems and Markets
- DIM-OPT-435 Innovative Modern Engineering Design and Rapid Prototyping
- DIM-OPT-436 3D Engineering Design with Dynamic Simulation
- DIE-OPT-437 The Challenge of Future Electricity Systems
- DEA-OPT-624 Biomedical Electronics
- DIM-OPT-620 Composite Materials
- DIM-OPT-622 Sustainable Transportation Systems
- DIM-OPT-621 Nuclear Technology
- DEA-OPT-623 Computer Vision

**Culture and Language Courses** provide an insight into the Spanish culture.

- DOI-SAP-130 Spanish Culture through Films
- Spanish language courses: levels A1, A2, B1, B2 and C1
- Other language courses

**Research Projects** supervised by professors of the school of engineering.

Students can also register for any of the courses of ICAI School of Engineering, either in English or in Spanish, upon checking for schedule compatibility. Exams on these courses could extend until May 20th.