comillas.edu

CONTACT INFORMATION:
ICAI School of Engineering
international.icai@comillas.edu
Tel. +34 91 5422800 ext. 2426

http://www.icai.comillas.edu/sapiens/

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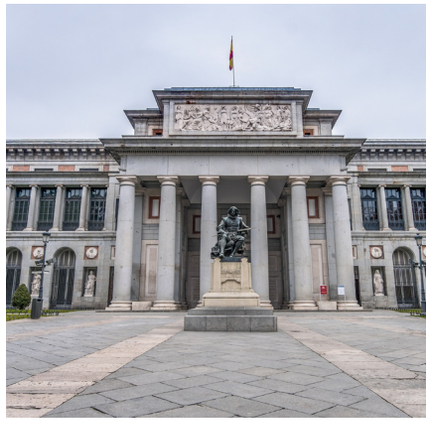

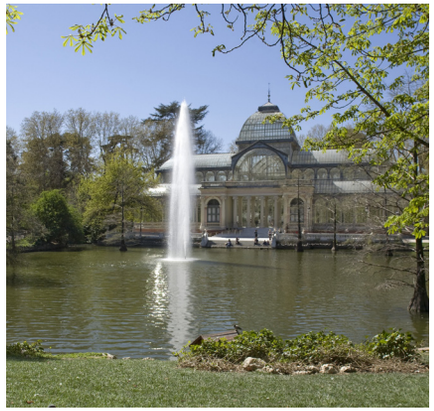

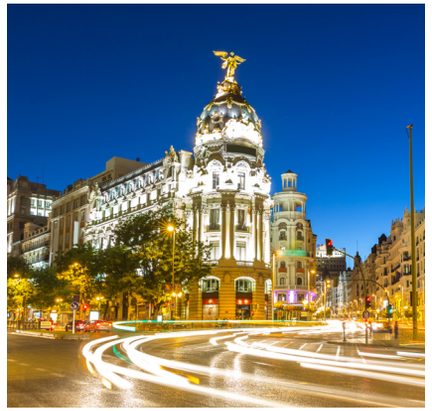

ICAI SAPIENS

Study Abroad Program
for International Engineering Students

ICAI School of Engineering
Madrid (Spain)

Academic Year
2025-2026

COMILLAS
UNIVERSIDAD PONTIFICIA
ICAI

DESCRIPTION

ICAI-SAPIENS is a program that was designed for engineering and other STEM students in 2013, and has been growing ever since. Students, especially from the US, gain international experience without delaying their graduation, given that the vast majority of these courses are what they require towards their curriculum.

We offer several categories of courses in our ICAI-SAPIENS, all of which are taught in English:

- Fundamental Engineering/STEM: these are meant to be similar/identical to their equivalent subjects in a standard US Sophomore/Junior year.
- Culture, Language & Humanities: these provide an insight into the Spanish language and culture, and include guided visits to several local landmarks.
- Technological & Electives: these are highly recommended for international engineering/STEM students.
- Research Projects: supervised by professors and researchers of the school of engineering. These projects are only assigned to semester-long exchanges, 3-week winter, and 8-week summer students.
- *Other, additional and business courses: offered at the ICAI School of Engineering, these are also available to ICAI-SAPIENS students, schedule permitting, offered in either English and/or Spanish. Please note that their calendar and exam periods differ from those of SAPIENS.*

PERIODS / TERMS

ICAI-SAPIENS is offered in the following four terms:

- FALL 2025: from September 1st to December 5th (14 weeks)
- WINTER 2026: from January 12th to January 30th (3 weeks)
- SPRING 2026: from January 12th to April 24th (14 weeks)
- SUMMER 2026: from May 18th to July 10th (4 to 8 weeks)

Note: *these periods include SAPIENS exams. ICAI (non-SAPIENS) exams may extend to January 10th (FALL) or May 21st (SPRING)*

RETAKE EXAMS: for SAPIENS courses, December (FALL) and May (SPRING). For all ICAI courses, mid to late June.

LOCATION

The ICAI School of Engineering is located in downtown Madrid, within walking distance to the most significant historic landmarks in our city. Our 24/7 outsourced housing service provides numerous nearby housing options.

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

TESTIMONIAL

"Studying and research at the Universidad Pontificia Comillas have been an incredible experience. I was nervous at first, but my professors made me feel supported and welcome throughout my entire experience. Overall, I am deeply satisfied with my summer at Comillas, as it reaffirmed my passion for sustainable innovation and reminded me why I chose chemical engineering: to design systems that serve both people and the planet, transcending borders and bridging disciplines".

Kaili Wu
Chemical & Biomolecular Engineering

			ECTS	FALL	WINTER	SPRING	SUMMER
FUNDAMENTAL ENGINEERING/STEM COURSES	DMA-SAP-431	Applied Linear Algebra	6			•	
	DIE-SAP-212	Electricity & Magnetism	6	•			
	DIE-SAP-354	Engineering Economy	6	•		•	•
	DIM-SAP-353	Engineering Fluid Mechanics	6			•	
	DOI-SAP-303	Engineering Statistics	6			•	
	DIM-SAP-336	Engineering Thermodynamics	6	•		•	•
	DIM-SAP-346	Environmental Engineering & Sustainability	6	•		•	
	DTC-SAP-374	Introduction to Algorithms & Models of Computation	6			•	
	DMA-SAP-230	Introduction to Differential Equations	6	•		•	
	DIM-SAP-233	Introduction to Dynamics	6			•	
	DEA-SAP-235	Introduction to Electric & Electronic Circuits	7.5			•	
	DIM-SAP-337	Introduction to Materials & their Applications	6			•	
	DTC-SAP-234	Introduction to Python Programming	6	•		•	
	DIM-SAP-211	Introduction to Statics	6	•			
	DTC-SAP-333	Machine Learning & Artificial Intelligence with Python	6			•	
	DMA-SAP-241	Multivariable Calculus	6	•			
	DMA-SAP-437	Numerical Analysis	6			•	
	DIM-SAP-239	Principles of Molecular Cell Biology & Biotechnology	7.5			•	
	DIM-SAP-232	Quantum Physics	3			•	
	DIM-SAP-246	Sustainable Engineering Principles	4.5				•
	DIM-SAP-231	Thermal Physics	3			•	
CULTURE, LANGUAGE & HUMANITIES COURSES	TEO-SAP-123	Christianity & World Religions	3	•		•	•
	CAC-SAP-1xx	Cultural Electives (max. 3)	2 each	•		•	
	IIM-SAP-140	Spanish Culture	3	•	•	•	•
	DOI-SAP-130	Spanish Culture through Films	6	•		•	
	IIM-SAP-13x	Spanish as a Foreign Language: (All levels: A1, A2, B1, B2, C1)	6	•		•	
	IIM-SAP-14x	Spanish Language (Basic, Intermediate I, Intermediate II)	3		•		•
TECHNOLOGICAL, ELECTIVE COURSES & RESEARCH	DIM-OPT-436	3D Engineering Design with Dynamic Simulation	3			•	
	DEA-OPT-438	Aerospace Electronics	3			•	
	DEA-OPT-431	Automotive Electronics	3			•	
	DIM-SAP-433	Automotive Engines	3			•	
	DIM-SAP-434	Bio-Measurements	3			•	
	DEAC-OPT-421	Introduction to Biomedical Signals Processing	3			•	
	DOI-OPT-439	Circular Economy and Eco-Industry	3			•	
	DIE-OPT-434	Energy Economics: Primary Sources, Electric Power Systems and Market	3			•	
	DTC-SAP-247	Internet of Things (IoT): Basics and Practical Approach	3				•
	DOI-OPT-445	Introduction to Entrepreneurship	3			•	•
	DIM-OPT-432	Nanotechnology	3			•	
	DIE-OPT-437	The Challenge of Future Electricity Systems	3			•	
	XXX-SAP-49x	Research Project (max. 4)	4 each	•	•	•	•