

Engineering Abroad



Study foundational engineering courses in an international context and learn how to apply concepts learned in the classroom to real life, out of class situations. As a future engineer, your job will entail a lot of problem-solving, so you'll want to get comfortable with being able to apply your skills in a new scenario. An easy way to do that? Study Abroad.

By studying abroad you'll broaden your education to understand the impact of engineering solutions on a global scale while challenging yourself to navigate a new city and country. Who says you can't do it all?

- ▶ Coursework is taught in English at CEA Study Centers by expert faculty.
- ▶ Active learning opportunities include seminars and lectures, workshops, language exchanges, and excursions.

Contact a CEA Admissions Counselor to find out how to make the world your laboratory!

What's Included

- ▶ Airport Pick-up
- ▶ Onsite Orientation
- ▶ City Tour
- ▶ Onsite Staff Support
- ▶ 24/7 Emergency Assistance
- ▶ Wellness Activities
- ▶ Community Engagement
- ▶ Volunteering Options
- ▶ Cultural Activities
- ▶ Excursions
- ▶ Pre-Departure Advising
- ▶ Financial Advising
- ▶ Travel Medical Insurance
- ▶ Official Transcript(s)

Here's a sampling of programs, along with examples of active learning opportunities that will enrich your course content. Visit CEA's website to view course descriptions and syllabi.



Engineering in Barcelona SUMMER

ACTIVE LEARNING: MATERFAD MATERIALS CENTRE

This center in Barcelona conducts research in the field of new materials. Its goal is to promote and facilitate the sharing of technology between different sectors such as biotechnology and construction. You'll view and study a wide range of materials including ceramics, composites, and polymers.

COURSES

- ▶ Introduction to Programming (Python)
- ▶ Principles of Engineering Materials



Engineering in Buenos Aires SUMMER

ACTIVE LEARNING: THERMAL GENERATION PLANT

Enel Generación Costanera is the largest electrical energy company through thermal processes in Argentina and one of the most important thermal generation plants in South America. Tour the installations for a firsthand look at how course theory applies to real life in the energy transfer process.

COURSES

- ▶ Discrete Mathematics
- ▶ Physics II with lab
- ▶ Thermodynamics



Engineering in Paris SEMESTER OR SUMMER

ACTIVE LEARNING: MUSÉE DES ARTS ET MÉTIERS

Students learn about France's contribution to math & science at Paris' Museum of Art and Trade. The visit covers chemistry, math, and several engineering fields, and includes interactive, life-sized models.

ACTIVE LEARNING: PONT DE NORMANDIE

One of the world's largest cable-stayed road bridges, the Pont de Normandie connects Le Havre to Honfleur in Normandy, crossing the River Seine. After a guided visit to the bridge museum, students get exclusive access to the base of one of the pillars and to the footpath for a glimpse at the bridge's impressive scale and height.

FALL COURSES

- ▶ Calculus III
- ▶ Calculus III
Mathematica Laboratory
- ▶ Differential Equations
- ▶ Electrical Circuits
- ▶ Statics

SPRING COURSES

- ▶ Differential Equations
- ▶ Dynamics
- ▶ Electrical Circuits
- ▶ Fluid Mechanics
- ▶ Statics
- ▶ Thermal Physics
- ▶ Thermodynamics
- ▶ Thermodynamics
with Chemical
Engineering Module

SUMMER COURSES

- ▶ Calculus III
- ▶ Differential Equations
- ▶ Electrical Circuits
- ▶ Statics
- ▶ Thermodynamics



Engineering in Rome SUMMER

ACTIVE LEARNING: THE BATHS OF CARACALLA

Explore one of the most spectacular thermal complexes in ancient Rome: The Baths of Caracalla. These baths feature a complicated heat transfer and exchange circuit completed around 235 AD.

COURSES

- ▶ Fluid Mechanics
- ▶ Introduction to
Programming (Python)
- ▶ Principles of
Engineering Materials
- ▶ Thermodynamics
- ▶ Thermodynamics with
Chemical Engineering



Physics for Engineers in Dublin SUMMER

ACTIVE LEARNING: THE DUBLIN DIVING BELL

Examine this remarkable feat of Irish engineering from the late 1800's which was used to build the port's walls until 1958.

COURSES

- ▶ Physics II with lab

CEA APPLICATION DEADLINES*

Spring: October 15

Summer (Paris): March 1

Summer: April 1

Fall: May 15

READY TO START?

Discuss program approval and credit transfer with your study abroad advisor. Then, when you're ready, complete a CEA application.

*Check with your Study Abroad Office for your University's deadline and/or check CEA's website for program's deadlines



For more information on CEA Study Abroad's Engineering programs, visit ceaStudyAbroad.com, call us at **800.266.4441**, or use our snapchat:

