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

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.

*NEW* Engineering in Prague  summer
active learning: national technical museum
The National Technical Museum in Prague was founded in 1908 and is dedicated to preserving information and artifacts related to the history of technology in the Czech Republic. Today exhibits are available in areas such as Chemistry where students will learn about laboratory methods in the past and present, or the Architecture, Engineering and Design exhibition where students will learn about architectural achievements in the Czech Republic from 1860-1989. There’s also an entire exhibit dedicated to Mathematics. Lastly, electrical engineering majors will find the Van de Graaff generator of particular interest! Students will see this high voltage electrostatic generator, which is integrated with a linear charged particle accelerator.

courses
- Calculus III
- Differential Equations
- Engineering Statistics
- Linear Algebra

Engineering in Barcelona  summer
active learning: materfad materials center
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  spring or 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
- Dynamics
- Electrical Circuits
- Physics II with Lab
- Thermal Physics
- Thermodynamics

CEA APPLICATION DEADLINES
Check with your Study Abroad Office for your University’s deadline and/or check CEA’s website for program deadlines

READY TO START?
Discuss program approval and credit transfer with your study abroad advisor. Then, when you’re ready, complete a CEA application.

Click to schedule an appointment with a CEA Enrollment Advisor to find out how to make the world your laboratory!
Engineering in Paris  fall, spring 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
- Differential Equations
- Mathematica Laboratory
- Electrical Circuits
- Statics

spring courses
- Calculus III
- 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 Rome The Baths of Caracalla. These baths feature a complicated heat transfer and exchange circuit completed around 235 AD.

courses
- Fluid Mechanics
- Intro 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

OTHER ENGINEERING PROGRAMS INCLUDE:

- Cape Town, South Africa – Engineering & Computer Science
- Amsterdam, Netherlands – STEM in Amsterdam
- French Riviera, France – Science and Engineering
- Galway, Ireland – Engineering
- Dublin, Ireland – Dublin City University – Engineering
- Dublin Ireland – Dublin City University – Computer Science
- Alicante, Spain – Science & Engineering
- Madrid, Spain – Engineering and Social Sciences

Click here to schedule a time to chat with a CEA Enrollment Advisor