

Advising Guide for Study Abroad in CIVIL ENGINEERING

PLANNING TIPS



Look into your options early

KU students can study abroad as early as the second semester of their first year. It's never too early to start planning for study abroad!



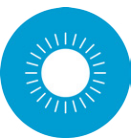
Semester Study

You can take Mathematics and Basic Sciences, General Education, or Basic and Civil Engineering Sciences courses abroad in the spring of your second year or the fall of your third year, AND stay on track for graduation in 4 years.



U.S.-Specific Courses

Some of your upper division courses include key information about U.S. construction standards, so you should plan to take these courses at KU.



Summer Options

Summer is a great time to take Mathematics and Basic Sciences, General Education, or unique sustainability courses during a summer program abroad, or participate in a summer international internship opportunity to gain valuable work experience.

DEGREE REQUIREMENTS

Mathematics & Basic Sciences

Some of these courses can be taken abroad either during the summer or second semester sophomore year.

- MATH 125 Calculus I
- MATH 126 Calculus II
- MATH 127 Calculus III
- MATH 220 Applied Differential Equations
- MATH 290 Elementary Linear Algebra
- MATH 526 Applied Mathematical Statistics I
- PHSX 210 General Physics I for Engineers
- PHSX 216 Physics I Lab
- PHSX 212 General Physics II for Engineers
- PHSX 236 Physics II Lab
- CHEM 150 Chemistry for Engineers QR
- CHEM 130 AND CHEM 135
- General Chemistry I/II
- Basic Science Elective

General Education

Many of these are good courses to take abroad, particularly the Arts & Humanities Elective (GE3H) and the Global Awareness Elective (AE4.2).

- ENGL 101 Composition
- ENGL 102 Critical Reading and Writing
- COMS 130 Speaker-Audience Communication
- ECON 104 Introductory Economics QR
- ECON 142 Principles of Macroeconomics QR
- ECON 144 Principles of Microeconomics
- GE 3H Arts & Humanities
- AE 4.1 Human Diversity
- AE 4.2 Global Awareness
- AE 5.1 Ethics & Social Responsibility

Basic Engineering Sciences

Many of these are good courses to take abroad. Second semester sophomore year or first semester junior year are the best times.

- CE 201 AND CE 300 Statics & Dynamics
- QR CE 301 Statics & Dynamics
- CE 310 Strength of Materials
- CE 330 Fluid Mechanics
- CMGT 357 Engineering Economics
- CE 192 Civil Engineering Graphics
- EECS 137 Visual Basic for Engineers QR
- EECS 138 Introduction to Computing
- One course in 2 of the following groupings:
- EECS 315 Electric, Circuits, & Machines QR
- EECS 316 Circuits, Electronics, & Instrumentation
- C&PE 221 Chemical Engineering Thermodynamics QR
- ME 312 Basic Engineering Thermodynamics
- ME 306 Science of Materials QR
- ARCE 350 Building Material Science

Civil Engineering Sciences & Intro to Design

Many of these are good courses to take abroad. Second semester sophomore year or first semester junior year are the best time to take these courses abroad.

- CE 240 Surveying
- CE 412 Structural Engineering Materials QR
- CE 484 Material for Transportation Facilities
- CE 455 Hydrology
- CE 461 Structural Analysis
- CE 477 Intro to Environmental Engr. & Science
- CE 487 Soil Mechanics
- CE 480 Intro to Transportation Engineering

A concentration in Environmental Engineering is also available. Please contact your academic advisor for more details.

**Courses which should be taken at the University of Kansas are indicated with*



Engineering Analysis & Design

- CE 562 Design of Steel Structures
- CE 563 Design of Reinforced Concrete Structures
- CE 552 Water Resources Engineering Design QR
- CE 576 Municipal Water Supply & Wastewater Treatment

Six hours of Civil Engineering design electives

**Construction Engineering (CMGT 500) is available to be taken abroad.*

RECOMMENDED PROGRAM OPTIONS

Below you will find a list of possible program options for your major that have been reviewed and approved by the School of Engineering. This is not an all-inclusive list, but rather a starting point. For more program options and/or to learn more about the specific courses available, please visit www.studyabroad.ku.edu or come to the Study Abroad Info Center in 105 Lippincott Hall.

Places offering

SEMESTER PROGRAMS

SWANSEA UNIVERSITY

Swansea, Wales

Take Engineering and KU Core courses on the coast of Wales. Recommended for the spring semester of your second or third year.

Eligibility: Junior standing, cumulative 2.8 GPA.

UNIVERSITY COLLEGE CORK

Cork, Ireland

Select from a variety of civil engineering or general education courses. Recommended for the fall semester of your second or third year.

Eligibility: Sophomore status, cumulative 3.0 GPA.

UNIVERSITY OF NEWCASTLE

Newcastle, Australia

Take KU Core and Engineering courses on the east coast of Australia. Spring semester of your second year is the ideal semester for this program.

Eligibility: second semester sophomore, cumulative 2.5 GPA.

UNIVERSIDAD PONTIFICIA COMILLAS

Madrid, Spain

Go abroad the spring of your second year. Take math and engineering courses in English and strengthen your Spanish skills. This program is available during the spring semester of your second year.

Eligibility: Completion of MATH 127 and CE 201, cumulative GPA 2.75.

UNIVERSITY OF HONG KONG

Hong Kong, People's Republic of China

Take Engineering and KU Core courses in English at one of Asia's most highly ranked universities. This is an option for the fall or spring semester of your second or third year.

Eligibility: sophomore standing, cumulative 3.0 GPA.

Places offering

SHORT TERM PROGRAMS

JOHN CABOT UNIVERSITY

Rome, Italy

This is a summer program ideal for the summer before your second year. Earn credits in Mathematics and Statics.

Eligibility: one year of college coursework, good academic standing.

INSIGHT INDIA: ENGINEERING APPLICATIONS

Goa, India

In this 3-week winter break program, students participate in company visits and cultural excursions in southern India

Eligibility: Engineering students in good standing.

Programs offering

EXPERIENTIAL OPPORTUNITIES

INTERNSHIPS

Multiple Locations

Gain voluntary professional experience over 6-12 weeks.

Eligibility: preference for juniors and seniors, some locations are available to sophomores, cumulative 2.75 GPA.

SIT SUMMER INNOVATION LAB - WATER ISSUES

Amman, Jordan

Explore innovative approaches to water supply in Jordan.

Eligibility: one semester of college coursework, cumulative 2.5 GPA.

LOOKING FOR MORE OPTIONS? VISIT OUR [WEBSITE](#).