**Courses which should be taken at the University of Kansas**

- 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
- 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 OR
- ECON 142 Principles of Macroeconomics OR
- 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

<table>
<thead>
<tr>
<th>Mathematics &amp; Basic Sciences</th>
<th>Basic Engineering Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Some of these courses can be taken abroad either during the summer or second semester sophomore year.</td>
<td>Many of these are good courses to take abroad. Second semester sophomore year or first semester junior year are the best times.</td>
</tr>
<tr>
<td>MATH 125 Calculus I</td>
<td>CE 201 AND CE 300 Statics &amp; Dynamics</td>
</tr>
<tr>
<td>MATH 126 Calculus II</td>
<td>OR CE 301 Statics &amp; Dynamics</td>
</tr>
<tr>
<td>MATH 127 Calculus III</td>
<td>CE 310 Strength of Materials</td>
</tr>
<tr>
<td>MATH 220 Applied Differential Equations</td>
<td>CE 330 Fluid Mechanics</td>
</tr>
<tr>
<td>MATH 290 Elementary Linear Algebra</td>
<td>CMGT 357 Engineering Economics</td>
</tr>
<tr>
<td>MATH 526 Applied Mathematical Statistics I</td>
<td>CE 192 Civil Engineering Graphics</td>
</tr>
<tr>
<td>PHSX 210 General Physics I for Engineers</td>
<td>EECS 137 Visual Basic for Engineers OR</td>
</tr>
<tr>
<td>PHSX 216 Physics I Lab</td>
<td>EECS 138 Introduction to Computing</td>
</tr>
<tr>
<td>PHSX 212 General Physics II for Engineers</td>
<td>One course in 2 of the following groupings:</td>
</tr>
<tr>
<td>PHSX 236 Physics II Lab</td>
<td>EECS 315 Electric, Circuits, &amp; Machines OR</td>
</tr>
<tr>
<td>CHEM 150 Chemistry for Engineers OR CHEM 130 AND CHEM 135 General Chemistry I/II</td>
<td>EECS 316 Circuits, Electronics, &amp; Instrumentation</td>
</tr>
<tr>
<td>Basic Science Elective</td>
<td>C&amp;PE 221 Chemical Engineering Thermodynamics OR</td>
</tr>
</tbody>
</table>

**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 OR
- 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

**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.

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

**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.

**Degree Requirements**

- **Engineering Analysis & Design**
  - CE 562 Design of Steel Structures
  - CE 563 Design of Reinforced Concrete Structures
  - CE 552 Water Resources Engineering Design OR
  - 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](http://www.studyabroad.ku.edu) or come to the Study Abroad Info Center in 105 Lippincott Hall.

**Places offering SEMESTER PROGRAMS**

**UNIVERSITY OF LEEDS**
*Leeds, England*
Take Engineering and KU Core courses in Leeds, just a short train ride from London and Edinburgh.
Eligibility: junior status, cumulative 2.8 GPA.

**UNIVERSITY OF NEWCASTLE**
*Newcastle, Australia*
Take KU Core and Engineering courses on the east coast of Australia.
Eligibility: second semester sophomore, cumulative 2.5 GPA.

**SWANSEA UNIVERSITY**
*Swansea, Wales*
Take Engineering and KU Core courses on the coast of Wales.
Eligibility: Junior standing, cumulative 2.8 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.
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.
Eligibility: sophomore standing, cumulative 3.0 GPA.

**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.**