Study Abroad Course Advising Guide for the School of Engineering & Applied Science

Use [program search engine](#) to find detailed program information and apply.

The list of courses below is meant to be used as a guide. These courses may be offered. Students should refer to specific program details or the actual course list for the semester they are planning to study abroad for the most up to date course details available on the study abroad website.

*Majors should meet with the Study Abroad staff and Academic Advisor your freshman year as you should plan to study abroad spring semester of your sophomore year.*

<table>
<thead>
<tr>
<th>Program/Host</th>
<th>Type/Term</th>
<th>GU Course #</th>
<th>GU Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gonzaga in Florence</td>
<td>GU Spring semester</td>
<td>ENSC 301</td>
<td>Mechanics of Materials</td>
</tr>
<tr>
<td>Gonzaga in Florence</td>
<td>GU Spring semester</td>
<td>ENSC 306</td>
<td>Dynamics</td>
</tr>
<tr>
<td>Gonzaga in Florence</td>
<td>GU Spring semester</td>
<td>ENSC 352</td>
<td>Fluid Mechanics</td>
</tr>
<tr>
<td>Gonzaga in Florence</td>
<td>GU Spring semester</td>
<td>MATH 260</td>
<td>Ordinary Differential Equations</td>
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<tr>
<td>Gonzaga in Florence</td>
<td>GU Spring semester</td>
<td>MATH 321</td>
<td>Statistics for Experimentalists</td>
</tr>
<tr>
<td>Gonzaga in Delft</td>
<td>Faculty Led summer</td>
<td>ENSC 481</td>
<td>Sustainable Cities</td>
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</table>

**SPONSORED SEMESTER PROGRAMS**

<table>
<thead>
<tr>
<th>Program/Host</th>
<th>Host Course Number</th>
<th>Host Course Name</th>
<th>GU Course Number</th>
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<th>CORE/COMMENTS</th>
<th>Requires Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Queen Mary University of London</td>
<td>ECS 405U</td>
<td>Arts Application Programming</td>
<td>CPSC 211</td>
<td>Algorithm Art</td>
<td>YES</td>
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<tr>
<td>Queen Mary University of London</td>
<td>ECS 417U</td>
<td>Fundamentals of Web Tech</td>
<td>CPSC 2XX</td>
<td>200 Level elective</td>
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<tr>
<td>Queen Mary University of London</td>
<td>ECS 522</td>
<td>Graphical User Interface</td>
<td>CPSC 310</td>
<td>Special Topics Human Comp Interaction</td>
<td>YES</td>
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<tr>
<td>Queen Mary University of London</td>
<td>ECS 529U</td>
<td>Algorithms and Data Structures</td>
<td>CPSC 223/CPSC 122</td>
<td>Algorithm/ Abstract Data Structures</td>
<td>YES</td>
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<tr>
<td>St. Louis University, Madrid</td>
<td>CSCI 3710</td>
<td>Data Bases</td>
<td>CPSC 321</td>
<td>Data Base Management systems</td>
<td>YES</td>
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<tr>
<td>St. Louis University, Madrid</td>
<td>ECE 2101/2, 3.4</td>
<td>Electric Circuits 1 and Lab</td>
<td>EENG 201/L</td>
<td>Circuit Analysis</td>
<td>YES</td>
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<tr>
<td>St. Louis University, Madrid</td>
<td>ECE 2102/3</td>
<td>Electric Circuits 2</td>
<td>EENG 202</td>
<td>Circuit Analysis II</td>
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<tr>
<td>St. Louis University, Madrid</td>
<td>ECE 2205 &amp; 2206</td>
<td>Digital Design and Lab</td>
<td>CPEN 203/L</td>
<td>Intro to Digital Logic/Lab</td>
<td>YES</td>
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<tr>
<td>St. Louis University, Madrid</td>
<td>ECE 3217</td>
<td>Computer Architecture and Organization</td>
<td>CPEN 231/L</td>
<td>Microcomputer Architecture and Assembly Programming</td>
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<tr>
<td>St. Louis University, Madrid</td>
<td>ESCI 2150</td>
<td>Dynamics</td>
<td>ENSC 306</td>
<td>Dynamics</td>
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<th>Requires Signature</th>
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<tbody>
<tr>
<td>St. Louis University, Madrid</td>
<td>ESCI 2300</td>
<td>Thermodynamics</td>
<td>MENG 321</td>
<td>Thermodynamics I</td>
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<tr>
<td>St. Louis University, Madrid</td>
<td>ESCI 3100</td>
<td>Mechanics of Solids</td>
<td>ENSC 301</td>
<td>Mechanics of Materials</td>
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<tr>
<td>St. Louis University, Madrid</td>
<td>MATH 2530</td>
<td>Calculus 3</td>
<td>MATH 259</td>
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<tr>
<td>University of Auckland</td>
<td>CIVIL 211</td>
<td>Structures and Design 1</td>
<td>CENG 301</td>
<td>Structural Analysis</td>
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<tr>
<td>University of Auckland</td>
<td>CIVIL 221</td>
<td>Geomechanics 1</td>
<td>CENG 331/331L</td>
<td>Soil Mechanics (and lab)</td>
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<tr>
<td>University of Auckland</td>
<td>CIVIL 230</td>
<td>Fluid Mechanics I</td>
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<tr>
<td>University of Auckland</td>
<td>CIVIL 250</td>
<td>Civil Engineering and Design</td>
<td>CENG 302L</td>
<td>Construction of Materials Lab</td>
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<tr>
<td>University of Auckland</td>
<td>CIVIL 314</td>
<td>Structural Dynamics</td>
<td>CENG 420</td>
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<tr>
<td>University of Auckland</td>
<td>CIVIL 331</td>
<td>Hydraulic Engineering &amp; Lab</td>
<td>CENG 352 + L</td>
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<tr>
<td>University of Auckland</td>
<td>CIVIL 360</td>
<td>Transportation Engineering 1</td>
<td>CENG 318 or 418</td>
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<td>University of Auckland</td>
<td>CIVIL 361</td>
<td>Transportation Engineering 2</td>
<td>CENG 313</td>
<td>Transportation Engineering 1</td>
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<tr>
<td>University of Auckland</td>
<td>ELECTENG 202</td>
<td>Circuits and Systems</td>
<td>EENG 201+L</td>
<td>Electric Circuits I</td>
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<td>ELECTENG 208</td>
<td>Electric Circuit Analysis</td>
<td>EENG 202</td>
<td>Electric Circuits II</td>
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<td>University of Auckland</td>
<td>ENNGEN 403</td>
<td>Managing a Business</td>
<td>CENG 404</td>
<td>Sustainable Systems and Design</td>
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<td>University of Auckland</td>
<td>ENVENG 244</td>
<td>Environmental Engineering 1</td>
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<td>University of Auckland</td>
<td>MECHENG 222</td>
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<td>University of Auckland</td>
<td>MECHENG 242</td>
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<td>ENSC 301</td>
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<td>University of Glasgow</td>
<td>COMPSCI 2007</td>
<td>Computing Science 2X: Algorithms and Data Structures 2</td>
<td>CPSC 122</td>
<td>Computer Science II</td>
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<tr>
<td>University of Limerick</td>
<td>CS 416</td>
<td>Cryptography</td>
<td>CPSC 453</td>
<td>Applied Cryptography</td>
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