### Civil: Environmental Engineering with International Development (Option F)

**September 2018** (students who entered *first year* in September 2015 or earlier)

#### Year 2:

##### Term A
- AM 2270a  Applied Math for Engineering II  
- CEE 2224  Engineering Fluid Mechanics  
- CEE 2202a  Mechanics of Materials  
- CEE 2217a  Introduction to Environmental Engineering  
- CEE 2220a  Introduction to Structural Engineering  
- SS 2141a  Applied Probability and Statistics

##### Term B
- AM 2277b  Applied Math for Engineering II  
- CEE 2224  Engineering Fluid Mechanics  
- CEE 2219b  Computational Tools for Civil Engineers  
- CEE 2221b  Structural Theory and Design  
- Earth Sc. 2281b  Geology for Engineers  
- ES 2211G  Engineering Communications

*Note: CEE 3324a (Surveying). This course is available each summer (15 days) and must be completed before a student may graduate from the Civil Engineering program.*

#### Year 3:

##### Term A
- CEE 3321a  Soil Mechanics and Hydrogeologic Engineering  
- CEE 3327a  International Development for Engineers  
- CEE 3347a  Reinforced Concrete Design  
- CEE 3348a  Project Management and Engineering Cases  
- CEE 3362a  Drinking Water Quality and Treatment  
- Earth Sc.3340a  Watershed Hydrology

##### Term B
- CEE 3322b  Introduction to Geotechnical Engineering  
- CEE 3328b  Appropriate Technologies for International Development  
- CEE 3355b  Municipal Engineering Design  
- CEE 3361b  Water Resources Management  
- CEE 3369b  Materials for Civil Engineering  
- CBE 4409b  Wastewater Treatment

#### Year 4:

##### Term A
- CEE 4441  Civil Engineering Design  
- CEE 3386a  Numerical Modeling for Environmental Engineers  
- CEE 4426a  Geotechnical Engineering Design  
- CEE 4465a  Environmental Design for Waste Disposal  
- Bus 2299E  Business for Engineers  
- One 0.5 Technical elective  

##### Term B
- CEE 4441  Civil Engineering Design Project  
- CEE 4404b  Advanced Topics in International Development for Eng.  
- CEE 4478b  Case Studies in Civil Engineering  
- ES 4498G  Engineering Ethics, Sustainable Development and the Law  
- Bus 2299E  Business for Engineers  
- One 0.5 Technical elective

### NOTES:

**Important:**
Students are responsible for ensuring they have the correct courses required for their degree. If you are unsure which courses you still need or if you see courses listed on the progression sheet that are no longer offered or are not offered in the term you see listed here, please contact your Academic Counsellor.

#### Technical Electives List:

Some technical electives may not be offered in a given academic year. Consult the Academic Timetable for a current listing.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CEE 3324a</td>
<td>Surveying</td>
</tr>
<tr>
<td>CEE 4401a</td>
<td>Principles of Transportation Engineering</td>
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<tr>
<td>CEE 4405a</td>
<td>Air Pollution</td>
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<tr>
<td>CEE 4418a</td>
<td>Systems Approach for Civil and Environmental Engineering</td>
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<tr>
<td>CEE 4427a</td>
<td>Special Topics in International Development</td>
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<tr>
<td>CEE 4428a</td>
<td>Selected Topics in Civil Engineering I</td>
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<tr>
<td>CEE 4429a</td>
<td>Selected Topics in Civil Engineering II</td>
</tr>
<tr>
<td>CEE 4440</td>
<td>Civil Engineering Thesis (full year course - counts as two technical electives)</td>
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<tr>
<td>CEE 4479a</td>
<td>Subsurface Contamination by Hazardous Industrial Chemical</td>
</tr>
<tr>
<td>CEE 4480a</td>
<td>Wind Engineering: Modelling, Assessment and Mitigation</td>
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<tr>
<td>Earth Sc.4440a</td>
<td>Hydrogeology</td>
</tr>
<tr>
<td>Centre for Global Studies 2002F/G</td>
<td>Problems of Global Development</td>
</tr>
<tr>
<td>Centre for Global Studies 3004a/b</td>
<td>International Development Project Management</td>
</tr>
<tr>
<td>Geography 2020a/b</td>
<td>Latin America and the Caribbean: Landscapes of Inequality</td>
</tr>
<tr>
<td>Geography 2030a/b</td>
<td>Africa South of the Sahara</td>
</tr>
<tr>
<td>Geography 2040a/b</td>
<td>Geography of East and Southeast Asia</td>
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