Civil: Environmental Engineering (Option B)

September 2019 (students who entered first year in September 2016 or later)

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 for Engineers

Term B
- AM 2277b  Applied Math for Civil and Chemical Engineering II
- CEE 2224  Engineering Fluid Mechanics
- CEE 2219b  Computation Tools for Civil Engineers
- CEE 2221b  Structural Theory and Design
- Earth Sc. 2281b  Geology for Engineers
- Writing 2130G  Building Better (Communication) Bridges: Rhetoric & Professional Communication for Engineers

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 3347a  Reinforced Concrete Design
- CEE 3348a  Project Management and Engineering Cases
- CEE 3362a  Drinking Water Quality and Treatment
- CEE 3386a  Numerical Modeling for Environmental Engineers
- EarthSc.3340a  Watershed Hydrology

Term B
- CEE 3322b  Introduction to Geotechnical Engineering
- CEE 3355b  Municipal Engineering Design
- CEE 3361b  Water Resources Management
- CEE 3369b  Materials for Civil Engineering
- CBE 4409b  Wastewater Treatment
One 0.5 Non-technical elective taken from the approved list.

Year 4:

Term A
- CEE 4441  Civil Engineering Design Project
- CEE 4426a  Geotechnical Engineering Design
- CEE 4465a  Environmental Design for Waste Disposal
One 0.5 Non-technical elective taken from approved list
Two 0.5 Technical electives

Term B
- CEE 4441  Civil Engineering Design Project
- CEE 4476b  Environmental Hydraulics Design
- CEE 4478b  Case Studies in Civil Engineering
- ES 4498G  Engineering Ethics, Sustainable Development and the Law
One 0.5 Non-technical elective taken from approved list
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.

Non-technical Electives:
Please choose a maximum of 1.0 credits (one 1.0 credit course or two 0.5 credit courses) from the 1000 level and a minimum of one 0.5 credit from the 2000 (or higher) level.
http://www.eng.uwo.ca/undergraduate/upper_year/electives.html

Technical Elective 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 4401a/b</td>
<td>Principles of Transportation Engineering</td>
</tr>
<tr>
<td>CEE 4405a/b</td>
<td>Air Pollution</td>
</tr>
<tr>
<td>CEE 4418a/b</td>
<td>Systems Approach for Civil and Environmental Engineering</td>
</tr>
<tr>
<td>CEE 4428a/b</td>
<td>Selected Topics in Civil Engineering I</td>
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<tr>
<td>CEE 4429a/b</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 4458a/b</td>
<td>Risk Analysis and Decision Making in Engineering</td>
</tr>
<tr>
<td>CEE 4479a/b</td>
<td>Subsurface Contamination by Hazardous Industrial Chemicals</td>
</tr>
<tr>
<td>CEE 4480a/b</td>
<td>Wind Engineering: Modelling, Assessment and Mitigation</td>
</tr>
<tr>
<td>CEE 4485a/b</td>
<td>Cities: Resilience and Sustainability</td>
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<tr>
<td>CBE 4463a/b</td>
<td>Water Pollution Design</td>
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<tr>
<td>Earth Sc.4440a/b</td>
<td>Hydrogeology</td>
</tr>
</tbody>
</table>

The official version of the academic calendar can be found at: www.westerncalendar.uwo.ca