BASC IN CIVIL ENGINEERING, STRUCTURAL AND GEOTECHNICAL OPTION

Civil engineers design the infrastructure on which their communities depend, such as buildings and their foundations, bridges, canals, dams, transportation facilities, municipal sewer and water networks, and wastewater and solid waste treatment systems.

Civil engineering students at the University of Ottawa can take advantage of world-class teaching laboratories, multimedia classrooms and outstanding computer facilities. Students develop expertise in computer applications, field and laboratory testing, and project management, and they are well-equipped to serve their communities upon graduation.

This program is offered in English and in French.

French courses are available in first year and almost all of second year. Most third and fourth year courses are offered in English only.

Program Requirements

To follow this option, students must complete the courses required for the BASc in Civil Engineering with the exception of the fourth-year courses which are replaced by the following courses.

Co-operative education is available with this program.

Requirements for this program have been modified. Please consult the 2015-2016 calendars (http://www.uottawa.ca/academic/info/regist/1516/calendars) for the previous requirements.

<table>
<thead>
<tr>
<th>BASc in Civil Engineering</th>
<th>96 Units</th>
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<tbody>
<tr>
<td><strong>Compulsory Fourth-Year Courses:</strong></td>
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<tr>
<td>CVG 4001 Introduction to Civil Engineering Project</td>
<td>3 Units</td>
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<tr>
<td>CVG 4108 Geotechnical Design</td>
<td>3 Units</td>
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<tr>
<td>CVG 4148 Theory of Structures II</td>
<td>3 Units</td>
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<tr>
<td>CVG 4150 Highway and Transportation Engineering</td>
<td>3 Units</td>
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<tr>
<td>CVG 4173 Construction Management</td>
<td>3 Units</td>
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<tr>
<td>CVG 4175 Field Investigations and Environmental Impact Assessment of Civil Engineering Projects</td>
<td>3 Units</td>
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<tr>
<td>CVG 4907 Civil Engineering Design Project</td>
<td>3 Units</td>
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<tr>
<td>GNG 4170 Engineering Law</td>
<td>3 Units</td>
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<tr>
<td>3 course units from a complementary studies elective</td>
<td>3 Units</td>
</tr>
<tr>
<td>9 course units of technical electives in geotechnical or structural engineering</td>
<td>9 Units</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td>132 Units</td>
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</table>

1 Please consult the requirements for the BASc in Civil Engineering (http://catalogue.uottawa.ca/en/undergrad/basc-civil-engineering) program.