

# Bachelor of Engineering (Honours) (Civil)



**Commenced in Semester 2 2017**



**Studying at BCA**

This Program Plan is an enrolment guide to ensure you are on track to graduate. These are the courses on offer for enrolment in 2017 **only**, please note that some courses are changing for your program and there are transition arrangements. If at any time you wish to vary from this program plan seek prior advice from your [Program Advisor](#) to ensure you remain on track.



## Semester 1

## Semester 2

Year 1

<a href="#">CIVL2050</a> Engineering Computations and Probability  No longer offered	<a href="#">CIVL2280</a> Geomechanics 1  No longer offered	<i>Students from BCA-DCE:</i> <a href="#">CIVL2720</a> Transportation Engineering and Design  <i>Students from Singapore Polytechnic:</i> <a href="#">CIVL2240</a> Civil Engineering Materials	<a href="#">MATH2310</a> Calculus of Science and Engineering
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Year 2

<a href="#">CIVL3170</a> Steel Design	<a href="#">CIVL3180</a> Theory of Structures 2	<a href="#">CIVL3280</a> Geomechanics 2	
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<a href="#">CIVL2310</a> Fluid Mechanics	<a href="#">CIVL4110</a> Advanced Structural Analysis	<a href="#">CIVL4660</a> Project S2	<a href="#">CIVL3840</a> Advanced Analysis for Design  Replaces CIVL4830
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Year 3

<a href="#">CIVL3300</a> Virtual Design and Construction	<a href="#">CIVL4201</a> Geotechnical and Geoenvironmental Engineering	<a href="#">CIVL3330</a> Hydrology  Replaces CIVL4330	<a href="#">CIVL4521</a> Structural Engineering Project
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<a href="#">CIVL3400</a> Design For Manufacturing and Assembly	<a href="#">CIVL4450</a> Water Engineering	<a href="#">CIVL4541</a> Water Engineering Project	<a href="#">CIVL4571</a> Geotechnical Engineering Project
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Program Plan Key: = Core = Elective = Changes to course 2017 onwards

To be eligible to graduate make sure you have completed 200 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- ✓ Core courses – 190 units (students from BCA-DCE), 180 units (students from Singapore Polytechnic)
- ✓ Elective courses - 10 units. Visit the [Course Handbook](#) to see a list of available Electives.
- ✓ It is also a requirement that students complete a total of 12 weeks of [industrial experience](#).
- ✓ The duration of this program is 4 years full time (40 units per semester) or part time equivalent.
- ✓ The maximum time to complete this program is 10 years.
- ✓ **Please note that courses marked in orange are changing for your program. Some courses will not be available after 2017. If you are yet to complete these courses, please complete them as soon as possible. \*This is subject to change**

Some courses have assumed knowledge and/or requisites, please refer to the individual [Course Handbook](#).

The [Program Handbook](#) has valuable information on program structure and requirements, if you are intending on studying part time or varying from this program plan please seek prior advice from your [Program Advisor](#).

