



# D375.3

Campus of Offer: Geelong Warrn Ponds Campus (G) &amp; Cloud (online) (X)

Duration: 5.5 years full time or part time equivalent

Course code: D375

## Bachelor of Engineering / Bachelor of Information Technology CIVIL ENGINEERING MAJOR

1	Trimester 1	<b>SEE010 Safety Induction Program – 0 credit point compulsory unit</b> (Compulsory: 50-minute safety training session conducted at the beginning of the your first Trimester)			
		<b>SIT010 Safety Induction Program – 0 credit point compulsory unit</b> (Compulsory: 50-minute safety training session conducted at the beginning of the your first Trimester)			
1	Trimester 1	<b>SEB121</b> Engineering Practice	<b>SEB101<sup>^</sup></b> Engineering Fundamentals	<b>SIT199</b> Applied Algebra and Statistics	<b>SED102</b> Engineering Graphics and CAD
	Trimester 2	<b>SEE103</b> Electrical Systems	<b>SEM111</b> Engineering Materials 1	<b>SIT194</b> Introduction to Mathematical Modelling	<b>SIT172</b> Programming for Engineers
2	Trimester 1	<b>SEP291</b> Engineering Modelling	<b>SEM223</b> Engineering Mechanics	<b>SIT101</b> Fundamentals of Information Technology	<b>SIT105</b> Critical Thinking and Problem Solving
	Trimester 2	<b>SEB223</b> The Professional Environment for Engineers & Scientists	<b>SEM222</b> Stress Analysis	<b>SIT103</b> Database and Information Retrieval	<b>SIT104</b> Introduction to Web Development
3	Trimester 1	<b>SEV217</b> Engineering Geology and Surveying	<b>SEM218</b> Fluid Mechanics	<b>SIT223</b> Information Technology Professional Skills	<b>IT</b>
	Trimester 2	<b>SEV215</b> Water Systems	<b>SEV252</b> Geo Mechanics 1	<b>SIT202</b> Computer Networks	<b>IT</b>
	<b>SEP490: Engineering Work Experience (12 weeks)</b>				
4	Trimester 1	<b>SEV354</b> Transportation Engineering	<b>SEV320</b> Theory of Structures	<b>SEV322</b> Hydrology and Hydraulics	<b>SEV362</b> Geotechnical Engineering
	Trimester 2	<b>SEB324</b> Project Management	<b>SEV328</b> Water and Wastewater Treatment	<b>SEV353</b> Reinforced Concrete Structures	<b>SEV323</b> Steel Structures
5	Trimester 1	<b>SEJ441</b> Engineering Project A Offered T1, T2 and T3	<b>SEV454</b> Advanced Structural Design	<b>SEV455</b> Water System Design	<b>SIT374</b> Project Management
	Trimester 2	<b>SEJ446</b> Engineering Project B (2cp) (Offered T1, T2 and T3)		<b>SEV414</b> Transportation Infrastructure	<b>SIT302</b> Project
5.5	Trimester 1	<b>IT</b>	<b>IT</b>	<b>IT – Level 3</b>	<b>IT – Level 3</b>

<sup>^</sup> SEB101 replaces SEP101 from 2016

## Course rules

This combined course comprises a total of 44 credit points which must include the following:

### Engineering component:

- 30 credit points of core engineering units
- One approved Engineering major:
  - [civil](#)
  - [electrical and electronics](#)
  - [mechanical](#)
  - [mechatronics and robotics](#)
- Combined Engineering students are exempt from engineering elective requirements.
- See course entry for the [Bachelor of Engineering \(S367\)](#) for details of core units.

### Information Technology component:

- 16 credit points of Information Technology units including:
  - 8 credit points of core IT units
  - One IT major:
    - [Computer Science](#)
    - [Game Development](#)
    - [Networking](#)
    - [Security](#)
    - [Software Development](#)
    - [Mathematical Modelling](#)
- 2 Engineering units course grouped for IT: SIT172 and SEP291.
- See course entry for the [Bachelor of Information Technology \(S326\)](#) for further details.

Students must meet the minimum requirements for each award.