

# Bachelor of Engineering (Honours)

## Civil Engineering Geotechnical Engineering Major

### Suggested Study Plan for Semester 1 Start

Valid from 2024

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The table below shows the required:

CORE Courses	Specialisation	Compulsory Extension Courses
Prep Courses or General Elective	Advanced Engineering Electives	Engineering Electives
Minor	Major	

Y1	Sem 1	<b>MATH1051</b> Calculus & Linear Algebra	<b>ENGG1100</b> Professional Engineering	<b>ENGG1700</b> Statics and Materials	Elective
	Sem 2	<b>MATH1052</b> Multivariate Calculus & ODEs	<b>ENGG1001</b> Programming for Engineers	BE (Hons) Program Elective	Elective
Y2	Sem 1	<b>CIVL2135</b> Introduction to Environmental Engineering	<b>CIVL2330</b> Structural Mechanics	<b>CIVL2131</b> Environmental Fluid Mechanics	<b>CIVL2530</b> Statistics and Data Analysis
	Sem 2	<b>CIVL3360</b> Reinforced Concrete Design	<b>CIVL2210</b> Soil Mechanics	<b>CIVL3155</b> Hydrology and Free Surface Flows	<b>CIVL2420</b> Fundamentals of Transportation Engineering
Y3	Sem 1	<b>CIVL3530</b> Data Analytics in Civil Engineering	<b>CIVL3210</b> Geotechnical Engineering	<b>CIVL4270</b> Geotechnical Investigation	Geotechnical Elective
	Sem 2	<b>CIVL3520</b> Project Management & Professional Practice	Advanced Civil Elective	<b>CIVL3220</b> Rock Mechanics	Geotechnical Elective
Y4	Sem 1	<b>CIVL4170</b> Risk Analysis in Civil Engineering	<b>CIVL4604 (Sem 1)</b> Research Thesis (Part A) <b>CIVL4604 (Sem 2)</b> Research Thesis (Part B)	<b>CIVL6215</b> Ground Improvement	Geotechnical Elective
	Sem 2	<b>CIVL4516 or CIVL4518</b> Integrated Design (Environ Mgmt or Built Environment)	or <b>CIVL4600</b> Research Project & Adv Civil Elective	<b>CIVL4230</b> Advanced Soil Mechanics	Geotechnical Elective

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Fill the remaining free slots with same-level or higher **Preparatory Courses or Electives** and Advanced Electives from the BE (Hons) Civil Engineering Geotechnical Engineering Major courses list at my.UQ

1+2

Course offered in both Semester 1 & 2.

Students must follow the program rules and requirements listed on the my.UQ website. Future course offerings are subject to change. Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.