

Bachelor of Engineering (Honours)

Civil Engineering Mining Engineering Major Suggested

Study Plan for Semester 1 Start

Valid from 2024

1 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	MATH1051 Calculus & Linear Algebra	ENGG1100 Professional Engineering	ENGG1700 Statics and Materials	Elective
	Sem 2	MATH1052 Multivariate Calculus & ODEs	ENGG1001 Programming for Engineers	BE (Hons) Program Elective	Elective
Y2	Sem 1	CIVL2135 Introduction to Environmental Engineering	CIVL2330 Structural Mechanics	CIVL2131 Environmental Fluid Mechanics	CIVL2530 Statistics and Data Analysis
	Sem 2	CIVL3360 Reinforced Concrete Design	CIVL2210 Soil Mechanics	CIVL3155 Hydrology and Free Surface Flows	CIVL2420 Fundamentals of Transportation Engineering
Y3	Sem 1	CIVL3530 Data Analytics in Civil Engineering	CIVL3210 Geotechnical Engineering	MINE3123 Mine Planning	Advanced Civil Elective
	Sem 2	CIVL3520 Project Management & Professional Practice	Advanced Civil Elective	MINE3110 Integrated Orebody Knowledge	MINE3122 Mining Systems
Y4	Sem 1	CIVL4170 Risk Analysis in Civil Engineering	CIVL4604 (Sem 1) Research Thesis (Part A) CIVL4604 (Sem 2) Research Thesis (Part B) or	Advanced Civil Elective	MINE3129 Applied Mining Geomechanics
	Sem 2	CIVL4516 or CIVL4518 Integrated Design (Environ Mgmt or Built Environment)	CIVL4600 Research Project & Adv Civil Elective	MINE4124 Hard Rock Mine Design & Feasibility	MINE4129 Mine Process Optimisation

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



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.