

BE (Hons) Civil Construction Engineering (AK3751)

2027 Study Plan (Refresh)

This refreshed Study Plan applies to students who began the BE Hons programme in 2024 or later.

If you started the programme before 2024, please refer to the old structure Study Plan with the grey shading.

Notes:

- Once you have made your course selections, go to MyAUT to complete your enrolment.
- S1 = Semester 1, S2 = Semester 2
- Pre-requisite papers are shown in brackets after each paper. **Please ensure you have completed all necessary pre-requisite courses before you enrol for a course.**
- For enrolment queries or issues, please email your Academic Administrator at: engineer@aut.ac.nz
- The **course level** is the first digit of the numeric part of the course code (e.g., ENGE500 is a level 5 course).

YEAR 1 - for students who started 2024 onwards

ENGE501	Engineering Mathematics I	S1 / S2	COMP500	Programming Concepts and Techniques	S1 / S2
ENGE503	Engineering Mechanics	S1 / S2	DIGD507	Mahitahi: Collaborative Practices	S1 / S2
ENGE504	Electrical Engineering Fundamentals	S1 / S2	ENGE500	Introduction to Sustainable Engineering Design	S1 / S2
ENME502	Engineering Materials I	S1 / S2	ENGE601	Engineering Mathematics II (ENGE501)	S1 / S2

YEAR 2

ENBU600	Construction Materials (ENME502)	S1	ENGE600	Engineering Management I	S2
ENBU613	Mechanics of Construction Materials (ENGE503)	S1	ENBU601	Introduction to Structural Engineering (ENBU613, ENBU600)	S2
ENBU603	Introduction to Building Construction	S1	ENBU602	Quantity Surveying	S2
ENGE702	Engineering Mathematics III (ENGE601)	S1 / S2	ENME603	Fluid Mechanics (ENGE503, ENGE601)	S2

YEAR 3 - students must have completed all Year 1 papers

ENBU700	Sustainable Design and Development (ENBU600, ENBU603)	S1	ENBU705	Concrete Structures (ENBU601)	S2
ENBU701	Geotechnical Engineering I (ENBU603)	S1	ENBU706	Steel Structures (ENBU601)	S2
ENBU702	Structural Analysis (ENBU601, ENGE601)	S1	ENBU708	Construction Engineering Management II (ENGE600)	S2
ENBU707	Construction Planning (ENBU603, ENGE600)	S1	ENGE803	Innovation and Research Management	S2

YEAR 4 - students must have completed all Year 1 and Year 2 papers

ENGE891	Final Year Research Project (Part A)	S1	ENGE892	Final Year Research Project (Part B)	S2
General Elective*	any level 5 or above paper offered within the university	S1	ENBU804	Advanced Civil and Construction Engineering	S2
Level 8 Elective	Choose from Level 8 Electives listed at the back	S1	Level 8 Elective	Choose from Level 8 Electives listed at the back	S2
Level 8 Elective	Choose from Level 8 Electives listed at the back	S1	Level 8 Elective	Choose from Level 8 Electives listed at the back	S2

Level 8 Electives - choose four electives from the list below:

ENBU800	Timber Structure Design (ENBU702)	S1	ENBU801	Structural Dynamics and Earthquake Engineering (ENBU702)	S2
ENBU805	Geotechnical Engineering II (ENBU701)	S1	ENBU807	Highway Engineering and Equipment (ENBU603)	S2
ENBU806	Off-Site Construction	S1	ENBU825	Logistics and Transportation Engineering	S2

Plus: completion of **ENGE888 Engineering Work Experience** (enrol in either S1 or S2)

- No fees or credits are attached to this course
- Must be completed in order to graduate
- Send the **approval form** to the Work Experience Coordinator (dat.doan@aut.ac.nz) for your work to be considered/approved prior to commencement of work
- Complete 800 hours of work
- Submit a 4500 - 5000 word report through Canvas (email engineer@aut.ac.nz when you are ready to submit the report so you can be enrolled or if you have any questions)

* A **General Elective** is any Level 5 paper or above within the university. Students can choose a **General Elective** from this link and get approval from the respective school where the course belongs to, before informing us to be enrolled.
<https://www.aut.ac.nz/study/study-options/elective-courses>

Note: The total time from first enrolment in a four-year bachelor's degree with honours until the completion of all requirements must not exceed **eight years**.