School of Engineering, Computer and Mathematical Science
Level 3, WZ Building
6 St Paul Street,
Auckland 1010, NZ
engineer@aut.ac.nz

BEngTech (Mechanical)

Enrolment 2025 (for students who commenced in 2023 or earlier)

STUDENT ID: ..... NAME: ..... SIGNED: .....

Once you have made your selections please go to My AUT to complete your enrolment.

- *FY =Full Year, S1 = Semester 1, S2 = Semester 2*
- *Prerequisite courses are shown in the brackets after each course; please check these to ensure you have completed all necessary prerequisite courses.*
- *Final approval for enrolment will be made by the Programme Leader or School Registrar.* ***Shaded courses are compulsory core courses.*** *For enrolment queries or issues, please email your Academic Administrator (e: engineer@aut.ac.nz).*

YEAR 1						
ENGE401	Introductory Engineering Mathematics	S1		ENME500	Introduction to Thermofluids and Energy	S2
ENGE500	Introduction to Engineering Design	S1		ENME502	Engineering Materials I	S2
ENEL501	Electrical Engineering Principles ***(Replaced by ENGE504)***	S1		ENME506	Engineering Mechanics – Dynamics	S2
ENME505	Statics and Equilibrium	S1		ENSE500	Computer Applications for Engineers ***(Replaced by COMP500)***	S2

YEAR 2						
ENGE501	Engineering Mathematics 1 (ENGE401; Restriction: ENGE502)	S1		ENGE600	Engineering Management I	S2
ENME607	Manufacturing Technology (ENME502)	S1		ENME602	Engineering Design Methodology (ENGE500 & ENME505 & ENME506)	S2
ENME610	Strength of Materials I (ENGE401 & ENME505)	S1		ENME604	Applied Fluid Mechanics (ENGE401 & ENME500 & ENME506)	S2
ENME615	Thermodynamics and Heat Transfer (ENGE401 & ENME506 & ENME500)	S1		ENME611	Mechanics of Machines (ENGE401 & ENME506) (name changes to Theory of Machines in 2025)	S2

YEAR 3						
ENGE777	Engineering Work Experience					S1/S2
ENME791	Specialisation Project (Part A) (ENBU607, ENBU611, ENBU612; Restriction: ENBU795)	S1		ENME792	Specialisation Project (Part B) (ENBU791; Restriction: ENBU795)	S2
	Major Option 1	S1		ENGE701	Engineering Management II (ENGE600)	S2
	Major Option 2	S1			Major Option 4	S2
	Major Option 3	S1			Major Option 5	S2

Mechanical Major Option Courses						
ENGE601	Engineering Mathematics 2 (ENGE501)	S1/S2		ENME714**	Safety Engineering (ENBU607, ENU608)	
ENME605*	Operations Management for Manufacturing (ENGE401)	S1		ENME702	Mechanical Design (ENME602)	S2
ENME706	Control Engineering (ENGE501 (or ENGE502) & ENME615)	S1		ENME709*	Strength of Materials II (ENME610)	S2
ENME712**	Product Design (ENGE500, ENME502, ENME607)			ENME612**	Computer Aided Design and Manufacturing – CAD/ CAM	

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ENME710**	Distributed and Alternative Generation (ENEL507)			ENME715**	Site Engineering (ENBU610)	

Core courses

* Courses offered in 2025 for the last time ** Courses not offered in 2025 *** Courses offered in 2025 for the first time

Note:

1. Course level is the first digit of the numeric part of the alphanumerical code.
2. Students must complete all year 1 courses to enrol in any of Year 3 courses.
3. Students must complete 360 points with at least 105 points at level 6 and at least 90 points at level 7
4. Enrolment in Specialisation Project subject to the satisfactory completion of 240 points and completion of all year 1 courses.
5. ENGE777 Engineering Work Experience will commence at 240 points. Completion of ENGE777 is compulsory to graduate and no credits will be offered for this course.
6. Students who plan on studying at postgraduate level or transfer to the Bachelor of Engineering (Hons) programme should take ENGE601 Engineering Mathematics II.
7. Students must have at least 150 points at level 6 or higher. Of these at least 90 points must be at Level 7 or higher