School of Engineering, Computer and Mathematical Science
Level 3, WZ Building
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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 MyAUT to complete your enrolment.*
- *FY =Full Year, S1 = Semester 1, S2 = Semester 2*
- *Pre-requisite courses are shown in the brackets after each course; please check these to ensure you have completed all necessary pre-requisite 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 Sustainable 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) | 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) | S1/S2 | ENME792 | Specialisation Project (Part B) | S1/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 Options Courses | | | | | |
|---|---|---|---|---|---|
| ENGE601 | Engineering Mathematics II (ENGE501) | S1/S2 | ENME612** | Computer Aided Design and Manufacturing -CAD/CAM (ENGE500, ENME607) | - |
| 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 |
| ENME710** | Advanced Materials (ENME502) | - | ENME714** | Advanced Manufacturing Processes (ENME607) | - |
| ENME712** | Product Design (ENGE500 & ENME502 & ENME607) | - | ENME715** | Advanced Thermodynamics (ENME615) | - |

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

(Continued on back)

**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 all compulsory courses (shaded in grey) and can take elective courses either from their major (unshaded) or outside their major (up to 30 points only).
4. 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
5. Enrolment in Specialisation Project subject to the satisfactory completion of 240 points and completion of all year 1 courses.
6. 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.
7. Students who plan on studying at postgraduate level or transfer to the Bachelor of Engineering (Hons) programme should take ENGE601 Engineering Mathematics II.
8. 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