

# BE (Hons) Maritime Engineering (AK3751)

## 2027 Study Plan (Refresh)

Maritime Engineering is offered in collaboration with Australian Maritime College (AMC), University of Tasmania (UTAS). Students who have completed Year 1 and 2 will proceed to study Years 3 and 4 in UTAS.

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

| YEAR 2  |                                                                       |         |         |                                    |    |
|---------|-----------------------------------------------------------------------|---------|---------|------------------------------------|----|
| ENMA603 | Introduction to Maritime Science, Engineering and Technology (online) | S1      | ENMA600 | Hydrostatics (online)              | S2 |
| ENME607 | Manufacturing Technology (ENME502)                                    | S1      | ENMA601 | Ship Design and Production         | S2 |
| ENME609 | Solid Mechanics I (ENGE501, ENME502, ENGE503)                         | S1      | ENME601 | Thermodynamics (ENGE503)           | S2 |
| ENGE702 | Engineering Mathematics III (ENGE601)                                 | S1 / S2 | ENME603 | Fluid Mechanics (ENGE503, ENGE601) | S2 |

| YEARS 3 & 4 (students can choose one of the following specialisations to study at UTAS AMC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
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| <p><b>Naval Architecture:</b> Naval Architecture focuses on the design and construction of everything from submarines and naval ships to luxury yachts, ferries, and cargo vessels. Across multiple branches of engineering, you can gain expertise in the shipping, high-speed, offshore, defence, underwater and recreational industries.</p> <p><b>Ocean Engineering:</b> Ocean Engineering focuses on the design, construction and operation of offshore, subsea and coastal structures. You will also learn about applied wave mechanics, underwater technology and offshore renewable energy concepts.</p> <p>Each specialisation has 7 compulsory papers and one elective in year 3, and 7 compulsory papers (including research and design projects) and one elective in year 4.</p> <p>Detailed course information can be found at:<br/> <a href="https://www.utas.edu.au/courses/cse/courses/24v2-bachelor-of-maritime-engineering-specialisation-honours-aut">https://www.utas.edu.au/courses/cse/courses/24v2-bachelor-of-maritime-engineering-specialisation-honours-aut</a></p> |  |

**Graduates of the programme may be eligible for membership of:**

- **Engineers Australia as Graduate Professional Engineer**

As Australia's preeminent body representing engineers from all disciplines, Engineers Australia is well-equipped to promote and support engineering in all its facets. Engineers Australia accredit the institutions that mould inquisitive students into inventive professionals.

- **Engineering New Zealand as a Graduate Engineer**

New Zealand's leading professional body for engineers, supporting professional development and accrediting engineering programmes to recognised standards.

- **Royal Institution of Naval Architects**

The Royal Institution of Naval Architects (RINA), is an internationally renowned professional institution whose members are involved at all levels in the design, construction, maintenance and operation of marine vessels and structures. Members of RINA are widely represented in industry, universities and colleges, and maritime organisations in over ninety countries.

- **The Institute of Marine Engineering, Science and Technology**

As a member, you become part of the only membership body in the world for marine engineers, scientists and technologists. You belong to a global group of marine professionals across over 120 countries. Our vast and dynamic network of members continuously shares and exchanges knowledge, ensuring that expertise remains strong in the marine sector and that we stay at the forefront of technological progress. Register for FREE Student Membership: <https://www.imarest.org/membership/student.html>