

# Choosing NCEA subjects

All students require University Entrance for admission to the University of Waikato, but some degrees have additional entry requirements and/or include first-year papers with specific prerequisites.

Use this guide to ensure you are prepared for your chosen degree. This guide indicates which degrees have specific requirements or include papers with prerequisites and which school subjects are recommended. Students who do not meet the requirements may be directed to take certain bridging papers in their first year of study. All students are advised to apply for their preferred degree. Future Student Advisers and Faculty Academic Advisers will assist students with planning their programme of study. For more information email [info@waikato.ac.nz](mailto:info@waikato.ac.nz) or call **0800 WAIKATO**.

## Bachelor of Computing & Mathematical Sciences (Hons)

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Depending on their major, students may require the following:

- Mathematics papers:
  - 16 credits in NCEA Level 3 Calculus including at least 11 credits from AS91577 (3.5), AS91578 (3.6) and AS91579 (3.7)
- Statistics papers:
  - 18 credits in NCEA Level 2 Mathematics or 14 credits in NCEA Level 3 Statistics, Calculus, or Mathematics

## Bachelor of Engineering (Hons)

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The following credits are required for students doing a BE(Hons) majoring in Civil Engineering, Electrical and Electronic Engineering, Mechanical Engineering, and Mechatronics Engineering:

- 16 credits in NCEA Level 3 Calculus
- 14 credits in NCEA Level 3 Physics

Chemical and Biological Engineering, Environmental Engineering, and Materials and Process Engineering:

- 16 credits in NCEA Level 3 Calculus
- 16 credits in NCEA Level 3 Chemistry
- 14 credits in NCEA Level 3 Physics

Software Engineering requires students to have achieved:

- 16 credits in NCEA Level 3 Calculus

## Bachelor of Health

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Biology and Statistics are strongly recommended for students taking the BHealth but are not compulsory. Students interested in the Poutū-mārō Biomedical Sciences major will need 16 credits in NCEA Level 3 Chemistry.

## Bachelor of Health, Sport and Human Performance

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Students planning a major in Human Performance Science require 18 credits at NCEA Level 2 Mathematics; or 14 credits at Level 3 in Statistics, Calculus or Mathematics.

## Bachelor of Laws

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Essay-based subjects such as English, Classical Studies, History, and Geography are good preparation for entry into the LLB. The Law Admissions Committee considers all applications on a case-by-case basis. Factors such as academic results, work experience, school and community involvement and other achievements are taken into account. Relevant information should be included with the applicant's written statement.

## Bachelor of Music

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Students enrolling in a BMus must have achieved one of the following:

- 14 credits in NCEA Level 3 Music
- 20 credits in NCEA Level 2 Music
- Grade 3 theory pass or better in the New Zealand Music Education Board or the Australian Music Education Board examinations
- Grade 5 theory pass or better in the Trinity College or Royal College of Music examinations
- An equivalent qualification to the above

For the performance stream, a selection process applies and an audition will be required. Check audition requirements and application dates at [waikato.ac.nz/music](http://waikato.ac.nz/music).

## Bachelor of Science and Bachelor of Science (Technology)

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Depending on their major, students may require the following:

- Chemistry papers:
  - 6 credits in NCEA Level 3 Chemistry
- Mathematics papers:
  - 16 credits in NCEA Level 3 Calculus including at least 11 credits from AS91577 (3.5), AS91578 (3.6) and AS91579 (3.7)
- Statistics papers:
  - 18 credits in NCEA Level 2 Mathematics or 14 credits in NCEA Level 3 Statistics, Calculus, or Mathematics

## Bachelor of Social Work

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As well as admission into the University, applicants are subject to an interview and selection process, including a police clearance check.

## Bachelor of Teaching

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As well as admission into the University, applicants are subject to an interview and selection process, including a police clearance check.

## Other degrees:

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- Bachelor of Arts
- Bachelor of Business
- Bachelor of Communication Studies
- Bachelor of Design
- Bachelor of Environmental Planning
- Bachelor of Management Studies (Hons)
- Bachelor of Social Sciences

Some first-year papers may have specific prerequisites, so please check the paper catalogue carefully.

**Please note:** These are guidelines only and are subject to change.

To find out more information about entry criteria for undergraduate domestic students you can visit [waikato.ac.nz/study/enrolment/undergraduate](http://waikato.ac.nz/study/enrolment/undergraduate), email [info@waikato.ac.nz](mailto:info@waikato.ac.nz) or call **0800 WAIKATO**.