

# Best preparation for university study

## What Year 13 subjects should I take at school?

This is for indicative purposes only. Speak with your UC Liaison Officer for more details.

A good standard of oral and written communication is important for all UC degrees. Te Reo Māori and Te Reo Rangatira are useful for all UC degrees.

✓✓ Essential    ✓ Recommended

| Majors and Disciplines with specific entry requirements  | Year 13 Subjects |           |   |       |         |                         |
|--|------------------|-----------|---|-------|---------|-------------------------|
|  | Calculus         | Chemistry | Mathematics (Includes Calculus or Statistics) | Music | Physics | Practical Arts Subjects |
| <b>Astronomy</b> (Bachelor of Science)   | ✓✓               |           |   |       | ✓✓      |                         |
| <b>Biochemistry</b> (Bachelor of Science)  |                  | ✓✓        | ✓   |       |         |                         |
| <b>Chemical Formulation Design</b> (Bachelor of Product Design)  |                  | ✓✓        | ✓   |       |         |                         |
| <b>Chemistry</b> (Bachelor of Science)   |                  | ✓✓        |   |       |         |                         |
| <b>Computer Science</b> (Bachelor of Science)  |                  |           | ✓✓  |       |         |                         |
| <b>Data Science</b> (Bachelor of Data Science)   |                  |           | ✓✓  |       |         |                         |
| <b>Economics</b> (Bachelor of Arts, Bachelor of Commerce and Bachelor of Science)  |                  |           | ✓   |       |         |                         |
| <b>Engineering</b> (Bachelor of Engineering with honours) <ul style="list-style-type: none"> <li>• Chemical and Process</li> <li>• Civil</li> <li>• Forest</li> <li>• Mechanical</li> <li>• Natural Resources</li> </ul> | ✓✓               | ✓✓        |   |       | ✓✓      |                         |
| <b>Engineering</b> (Bachelor of Engineering with honours) <ul style="list-style-type: none"> <li>• Computer</li> <li>• Electrical and Electronic</li> <li>• Mechatronics</li> <li>• Software</li> </ul>                  | ✓✓               |           |   |       | ✓✓      |                         |
| <b>Environmental Science</b> (Bachelor of Environmental Science)   |                  | ✓✓        | ✓   |       |         |                         |
| <b>Finance</b> (Bachelor of Commerce and Bachelor of Science)  |                  |           | ✓✓  |       |         |                         |
| <b>Financial Engineering</b> (Bachelor of Science)   |                  |           | ✓✓  |       |         |                         |
| <b>Music</b> (Bachelor of Music)   |                  |           |   | ✓✓    |         |                         |
| <b>Mathematics</b> (Bachelor of Arts and Bachelor of Science)  |                  |           | ✓✓  |       |         |                         |
| <b>Physics</b> (Bachelor of Science)   | ✓✓               |           |   |       | ✓✓      |                         |
| <b>Fine Arts</b> (Bachelor of Fine Arts)   |                  |           |   |       |         | ✓✓                      |
| <b>Statistics</b> (Bachelor of Arts and Bachelor of Science)   |                  |           | ✓✓  |       |         |                         |

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| Degrees  | Year 13 Subjects                       |                              |                        |                  |   |                    |                  |
|--|--|------------------------------|------------------------|------------------|---|--------------------|------------------|
|  | Business Studies & associated subjects | Design & Technology subjects | English-rich subjects* | Health Education | Mathematics (Includes Calculus or Statistics) | Physical Education | Science Subjects |
| Bachelor of Arts (BA)  |  |                              | ✓                      |                  |   |                    |                  |
| Bachelor of Commerce (BCom)  | ✓                                      |                              |                        |                  | ✓   |                    |                  |
| Bachelor of Communication (BC)   |  |                              | ✓                      |                  |   |                    |                  |
| Bachelor of Criminal Justice (BCJ)   |  |                              | ✓                      |                  |   |                    |                  |
| Bachelor of Forestry Science (BForSc)  |  |                              |                        |                  | ✓   |                    | ✓                |
| Bachelor of Health Sciences (BHSc)   |  |                              | ✓                      | ✓                | ✓   |                    | ✓                |
| Bachelor of Laws (LLB)   |  |                              | ✓                      |                  |   |                    |                  |
| Bachelor of Māori Innovation (BMInn)<br><i>The BMINN is open to those with work in the iwi sector. A passion for te ao Māori will be useful for your studies</i> | ✓                                      |                              |                        |                  |   |                    |                  |
| Bachelor of Product Design (BProdDesign)   |  | ✓                            |                        |                  | ✓   |                    | ✓                |
| Bachelor of Science (BSc)  |  |                              |                        |                  | ✓   |                    | ✓                |
| Bachelor of Social and Environmental Sustainability (BSEnS)  |  |                              | ✓                      |                  |   |                    | ✓                |
| Bachelor of Social Work with Honours (BSW(Hons))   |  |                              | ✓                      |                  |   |                    |                  |
| Bachelor of Speech and Language Pathology with Honours (BSLP(Hons))  |  |                              | ✓                      |                  | ✓   |                    | ✓                |
| Bachelor of Sport Coaching (BSpC)  |  |                              | ✓                      |                  |   | ✓                  | ✓                |
| Bachelor of Teaching and Learning (BTchLn)   |  |                              | ✓                      |                  | ✓   |                    |                  |
| Bachelor of Youth and Community Leadership (BYCL)  | No particular subjects required        |                              |                        |                  |   |                    |                  |

\*English-rich subjects include: Classical Studies, English, Geography, History, History of Art, Media Studies, Religious Studies

Note: See overleaf for Bachelor of Data Science, Bachelor of Engineering with Honours, Bachelor of Environmental Science with Honours, Bachelor of Fine Arts, Bachelor of Music

### University Entrance

University Entrance (UE) is the minimum requirement to go to a New Zealand university

- To qualify via NCEA you will need:
  - NCEA Level 3
  - Three approved subjects at Level 3, with a minimum of 14 credits in each
  - UE Literacy requirements (10 credits at Level 2 or above from a specified list of standards)
  - UE Numeracy requirements (10 credits at Level 1 or above)

- To qualify via CIE (gained in New Zealand) you will need:
  - A minimum of 120 points at A or AS level across your top three approved subjects achieved over the last two years of study.
  - D grade or above in each of at least three of those subjects
  - UE CIE Literacy requirements (E grade or above in AS Level English Language, Literature in English or Language and Literature in English)
  - UE CIE Numeracy requirements (D grade or above in IGCSE or GCSE mathematics, or E grade or above in AS Level mathematics)

To qualify via IB you will need the IB Diploma with a minimum of 24 points

### Don't meet the requirements for a specific UC Degree?

Speak with your UC Liaison Officer about the pathways available for you.

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