

2017 RECOMMENDED AND REQUIRED SUBJECTS

KA ARAHINA KOE..
NGĀ TAKE AKO

All students must have a University Entrance qualification. In addition to this some degrees have 'required' subjects at year 13 level which are necessary to be eligible to enrol. Other degrees have 'recommended' subjects which are not essential but which will help students prepare for studying the subject at university. Some also have selected entry criteria. International students must meet the same criteria along with achieving 5.5 IELTS if they are from a non-English speaking background.

QUALIFICATION SCHOOL SUBJECTS AND RECOMMENDATIONS

Conjoint degrees	Students must meet the requirements of both degrees.
Bachelor of Accountancy	No specific subject requirements.
Bachelor of AgriCommerce	Biology, Chemistry and Statistics are strongly recommended. Other useful subjects include Agriculture, Economics, English, Horticulture and Geography.
Bachelor of AgriScience	Biology, Chemistry and English are strongly recommended. Statistics is recommended.
Bachelor of Applied Economics	No specific subject requirements.
Bachelor of Arts	No specific subject requirements.
Bachelor of Aviation	A language rich subject is required with either: > NCEA: 14 credits in Level 3 > CIE: C grade at A or AS level > IB: 5 points in standard level English Physics and Calculus or Statistics are also strongly recommended. Selected entry requirements: ADAPT test, interview, fee, plus additional requirements.
Bachelor of Aviation Management	No specific subject requirements.
Bachelor of Business Studies	Statistics is recommended. Other useful subjects include Accounting, Economics and English.
Bachelor of Communication	No specific subject requirements.
Bachelor of Commercial Music	A pre-enrolment audition is required for applicants to the music practice major, and a pre-enrolment interview will be offered to those interested in the music technology or music industry majors.
Bachelor of Construction	Either Calculus (preferred) or Statistics is strongly recommended. Physics is recommended.
Bachelor of Creative Media Production	No specific subject requirements but a basic understanding of digital media recommended.

QUALIFICATION

SCHOOL SUBJECTS AND RECOMMENDATIONS

Bachelor of Design with Honours

Selected entry requirements: Students who have been endorsed with Excellence in NCEA Level 2, including excellence in an approved art, design or technology subject will be offered automatic entry to the BDes (Hons) programme. This is subject to achieving University Entrance with 14 credits in an approved art, design or technology subject at NCEA Level 3. Students who do not qualify under the automatic entry criteria will need to submit a portfolio of work: see creative.massey.ac.nz

For students of the Cambridge International Examination system, automatic entry requires an AS grade A or B in an approved art, design or technology subject. Entry would be confirmed once the student has achieved university entrance.

These requirements guarantee entry. Students who don't meet these will still be considered on a case by case basis.

Bachelor of Engineering with Honours

> **NCEA LEVEL 3:** 16 credits in Mathematics (including standards 91577, 91578 & 91579); 16 credits in Physics (including standards 91523, 91524 & 91526); plus (for Chemical & Bioprocess Engineering major or minor only) 14 credits in Chemistry (including standards 91390, 91391 & 91392).

> **CIE:** a C grade at A Level in each of Mathematics and Physics, plus (for Chemical & Bioprocess Engineering major or minor only) a C grade at A Level in Chemistry. Excludes General Paper.

> **IB:** 29 points including 5 points at higher level in each of Mathematics and Physics, plus (for Chemical & Bioprocess Engineering major or minor only) 5 points at higher level Chemistry.

Bachelor of Fine Arts with Honours

Selected entry requirements: Students who have been endorsed with Excellence in NCEA Level 2, including excellence in an approved art, design or technology subject will be offered automatic entry to the BFA (Hons) programme. This is subject to achieving University Entrance with 14 credits in an approved art, design or technology subject at NCEA Level 3.

For students of the Cambridge International Examination system, automatic entry requires an AS grade A or B in an approved art, design or technology subject. Entry would be confirmed once the student has achieved university entrance.

Students who do not qualify under the automatic entry criteria will need to submit a portfolio of work: see creative.massey.ac.nz

Fine Arts applicants may also be interviewed.

Bachelor of Food Technology with Honours

These requirements guarantee entry. Students who don't meet these will still be considered on a case by case basis.

> **NCEA LEVEL 3:** 16 credits in Mathematics (including standards 91577, 91578 & 91579); 16 credits in Physics (including standards 91523, 91524 & 91526); plus 14 credits in Chemistry (including standards 91390, 91391 & 91392).

> **CIE:** a C grade at A Level in each of Mathematics and Physics, plus a C grade at A Level in Chemistry. Excludes General Paper.

> **IB:** 29 points including 5 points at higher level in each of Mathematics and Physics, plus 5 points at higher level Chemistry.

Bachelor of Health Science

Biology and Chemistry are strongly recommended. Calculus or Statistics is recommended.

Bachelor of Information Sciences

Calculus or Statistics is recommended.

Bachelor of Māori Visual Arts

Selected entry requirements: Portfolio + interview.

Bachelor of Medical Laboratory Science

Chemistry is strongly recommended. Biology plus either Statistics (preferred) or Calculus are also recommended.
Note: Students are selected into the second year on the basis of their first year grades.

Bachelor of Natural Sciences

In each of any two of Biology, Chemistry, Physics, Mathematics, students require either:

> NCEA: 16 credits at Level 3

> CIE: B grade at A level

> IB: 5 points at higher level (HL), plus an IB score of 29

Bachelor of Nursing

In Biology, students require either:

> NCEA: 14 credits at Level 3

> CIE: C grade at A level

> IB: 5 points at higher level (HL), plus an IB score of 26

Other useful subjects include Chemistry, Physics, Statistics, English, History and Geography.

Selected entry requirements: a first aid certificate is required on admission, as well as a written statement, referees, and a criminal record check.

Students for whom English is a second language are required to achieve an IELTS score of 6.5 on every band.

Bachelor of Retail and Business Management

No specific subject requirements.

QUALIFICATION

SCHOOL SUBJECTS AND RECOMMENDATIONS

Bachelor of Resource & Environmental Planning

No specific subject requirements. Useful subjects include Geography, Design, Business, History, Māori Studies and Science.

	Biology	Chemistry	Physics	Mathematics and Statistics*
Bachelor of Science	Key ✓ = Recommended ✓✓ = Strongly Recommended			
Agricultural Science	✓✓	✓✓		✓
Animal Science	✓✓	✓✓		✓
Biochemistry	✓✓	✓✓		✓
Biological Sciences	✓✓	✓✓		✓
Chemistry	✓	✓✓	✓	✓
Computer Science				✓✓
Data Science				✓✓
Earth Science		✓		✓
Ecology	✓✓	✓		✓
Environmental Science	✓	✓		✓
Exercise and Sport Science	✓✓	✓	✓	✓
Genetics	✓✓	✓✓		✓
Geography				✓
Human Nutrition	✓✓	✓✓		✓
Logistics and Supply Chain Management				✓
Mathematics				✓✓**
Microbiology	✓✓	✓✓		✓
Nanoscience	✓	✓✓	✓✓	✓✓
Physics			✓✓	✓✓
Physiology	✓✓	✓✓	✓	✓
Plant Science	✓✓	✓		✓
Psychology				✓
Statistics				✓✓
Zoology	✓✓			✓

* Can include any standards from Calculus, Statistics and Mathematics subjects. ** Calculus is a required subject for the major in Mathematics.

Bachelor of Social Work

Selected entry requirements: Criminal record check, referees, written statement.

Bachelor of Speech and Language Therapy with Honours

Students require either:

> NCEA: 14 credits at NCEA Level 3 or higher in English and 16 credits or more at NCEA Level 3 or higher in one of the following subjects: Biology, Chemistry, Physics, Calculus or Statistics;

> CIE: B grade at A level in any one of Biology, Chemistry, Physics, Calculus or Statistics. Plus C grade at A Level English.

> IB: 5 points at higher level in one of: Biology, Chemistry, Calculus, Physics, Science, or Statistics, plus an IB score of 28. Plus 3 points at Higher level in IB English (or 5 points at standard level in IB English).

Selected entry requirements: Written statement, referees, criminal record check, interview.

Bachelor of Sport and Exercise

No specific subject requirements.

Bachelor of Sport Management

No specific subject requirements.

Bachelor of Veterinary Science

Biology, Chemistry and Physics are strongly recommended. Either Calculus or Statistics (preferred) is also strongly recommended.

Note: The veterinary student selection process is under review. The process for 2017 will be advised on the BVSc programme web page from August 2016.

Bachelor of Veterinary Technology

A minimum of 14 credits in NCEA Level 3 in Biology and Chemistry, plus one of either Calculus or Statistics is strongly recommended.

Note: Students are selected into semester two on the basis of their first semester grades, an essay, work experience assessment and the completion of 80 hours veterinary work experience.

Te Aho Tatairangi: Bachelor of Teaching Māori Medium

Selected entry requirements: Fluency in Te Reo Māori, referees, criminal record check, interview.

NGĀ TOHU
PAETAHIFIRST DEGREE
PROGRAMMES

COURSE	AUCKLAND	MANAWATŪ	WELLINGTON	DISTANCE
Bachelor of Accountancy (3 years)	✓	✓		✓
Bachelor of AgriCommerce (3 years)		✓		✓
Bachelor of AgriScience (3 years)		✓		▲
Bachelor of Applied Economics (3 years)	✓	✓		✓
Bachelor of Arts (3 years)	✓	✓	▲	✓
Bachelor of Aviation (3-4 years)		✓		
Bachelor of Aviation Management (3 years)		✓		✓
Bachelor of Business Studies (3 years)	✓	✓		✓
Bachelor of Commercial Music (3 years)			✓	
Bachelor of Communication (3 years)	✓	✓	✓	✓
Bachelor of Construction (3 years)	✓			▲
Bachelor of Creative Media Production (3 years)			✓	
Bachelor of Design with Honours (4 years)			✓	
Bachelor of Engineering with Honours (4 years)	✓	✓		
Bachelor of Fine Arts with Honours (4 years)			✓	
Bachelor of Food Technology with Honours (4 years)	✓	✓		
Bachelor of Health Sciences (3 years)	✓	✓	✓	✓
Bachelor of Information Sciences (3 years)	✓	✓		✓
Bachelor of Māori Visual Arts (4 years)		✓		
Bachelor of Medical Laboratory Science (4 years)	★	✓		
Bachelor of Natural Sciences (3 years)	✓			
Bachelor of Nursing (3 years)	✓	✓	✓	
Bachelor of Resource and Environmental Planning (4 years)		✓		
Bachelor of Retail and Business Management (3 years)	✓			✓
Bachelor of Science (3 years)	✓	✓		✓
Bachelor of Social Work (4 years)	✓	✓		✓
Bachelor of Speech and Language Therapy with Honours (4 years)	✓			
Bachelor of Sport and Exercise (3 years)		✓		✓
Bachelor of Sport Management (3 years)	✓	✓		✓
Bachelor of Veterinary Science (5 years)	⊙	✓		
Bachelor of Veterinary Technology (3 years)	⊙	✓		
Te Aho Tātaurangi: Bachelor of Teaching Māori Medium/Diploma in Māori Education (4 years)				✓

CONJOINT DEGREE PROGRAMME

Bachelor of Arts/Bachelor of Business Studies (4 years)	✓	✓		✓
Bachelor of Arts/Bachelor of Science (4 years)	✓	✓		✓
Bachelor of Business Studies/Bachelor of Science (4 years)	✓	✓		✓

✓ Some or most majors available ▲ Some papers available ★ First year available ⊙ Semester one pre-selection only