

# 2020 RECOMMENDED AND REQUIRED SUBJECTS

2020 - KAUPAPA 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 6.0 IELTS, with no band lower than 5.5, 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 Agricultural Science	Biology, Chemistry and English are strongly recommended. Statistics is recommended. Students for whom English is a second language are required to achieve an IELTS score of 6.5 - no band lower than 6.0.
Bachelor of Animal Science (subject to CUAP approval)	Biology, Chemistry and English are strongly recommended. Statistics is recommended. Students for whom English is a second language are required to achieve an IELTS score of 6.5 - no band lower than 6.0.
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 are strongly recommended. Statistics may also be useful. <b>Selected entry requirements:</b> ADAPT test, interview, pilot aptitude assessments, plus additional requirements. Students for whom English is a second language are required to achieve an IELTS score of 6.5 - no band lower than 6.0.
Bachelor of Aviation Management	Statistics is recommended. Other useful subjects include Accounting, Economics, Business Studies plus a language-rich subject to develop critical thinking and formal writing skills - such as English, Media Studies, History, etc.
Bachelor of Business	Useful subjects include Accountancy, 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	Calculus or Statistics recommended; Useful subjects are Physics, Economics and Graphics.
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	<p><b>Selected entry requirements:</b> 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 <a href="http://creative.massey.ac.nz">creative.massey.ac.nz</a></p> <p>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.</p>
Bachelor of Engineering with Honours	<p>These requirements guarantee entry. Students who don't meet these will still be considered on a case by case basis.</p> <ul style="list-style-type: none"> <li>&gt; <b>NCEA LEVEL 3:</b> 16 credits in Mathematics (including standards 91577, 91578 and 91579); 16 credits in Physics (including standards 91523, 91524 and 91526); plus (for Chemical and Bioprocess Engineering major or minor only) 14 credits in Chemistry (including standards 91390, 91391 and 91392).</li> <li>&gt; <b>CIE:</b> a C grade at A Level in each of Mathematics and Physics, plus (for Chemical and Bioprocess Engineering major or minor only) a C grade at A Level in Chemistry. Excludes General Paper.</li> <li>&gt; <b>IB:</b> 29 points including 5 points at higher level in each of Mathematics and Physics, plus (for Chemical and Bioprocess Engineering major or minor only) 5 points at higher level Chemistry.</li> </ul>
Bachelor of Fine Arts with Honours	<p><b>Selected entry requirements:</b> 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.</p> <p>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.</p> <p>Students who do not qualify under the automatic entry criteria will need to submit a portfolio of work: see <a href="http://creative.massey.ac.nz">creative.massey.ac.nz</a></p> <p>Fine Arts applicants are also asked to attend an informal interview.</p>
Bachelor of Food Technology with Honours	<p>These requirements guarantee entry. Students who don't meet these will still be considered on a case by case basis.</p> <ul style="list-style-type: none"> <li>&gt; <b>NCEA LEVEL 3:</b> 16 credits in Mathematics (including standards 91577, 91578 and 91579); 16 credits in Physics (including standards 91523, 91524 and 91526); plus 14 credits in Chemistry (including standards 91390, 91391 and 91392).</li> <li>&gt; <b>CIE:</b> a C grade at A Level in each of Mathematics and Physics, plus a C grade at A Level in Chemistry. Excludes General Paper.</li> <li>&gt; <b>IB:</b> 29 points including 5 points at higher level in each of Mathematics and Physics, plus 5 points at higher level Chemistry.</li> </ul>
Bachelor of Health Science	No specific subject requirements.
Bachelor of Horticultural Science	Biology, Chemistry and English are strongly recommended. Statistics is recommended. Students for whom English is a second language are required to achieve an IELTS score of 6.5 - no band lower than 6.0.
Bachelor of Information Sciences	Calculus or Statistics is recommended.
Bachelor of Māori Visual Arts	<b>Selected entry requirements:</b> These are the same as the Bachelor of Design and Bachelor of Fine Arts (above).
Bachelor of Nursing	<ul style="list-style-type: none"> <li>&gt; NCEA: 14 credits or more at Level 3 or higher in at least one to the following subjects: biology, chemistry or physics</li> </ul> <p><b>Selected entry requirements:</b> a first aid certificate is required on admission, as well as a written statement, referees, and a criminal record check.</p> <p>Students for whom English is a second language are required to achieve an IELTS score of 6.5 on every band.</p>
Bachelor of Retail and Business Management	No specific subject requirements.
Bachelor of Resource & Environmental Planning	No specific subject requirements. Useful subjects include Geography, Design, Business, History, Māori Studies and Science.
	<b>Biology</b> <b>Chemistry</b> <b>Physics</b> <b>Mathematics and Statistics*</b>
<b>Bachelor of Science</b>	Key  = Recommended  = Strongly Recommended
Chemistry	
Computer Science	
Data Science	
Earth Science	
Ecology	

QUALIFICATION	SCHOOL SUBJECTS AND RECOMMENDATIONS
Ecology and Sustainability	✓✓ ✓ ✓
Environmental Science	✓ ✓ ✓
Exercise and Sport Science	✓✓ ✓ ✓
Geography	✓
Human Nutrition	✓✓ ✓✓
Integrative Biology	✓✓ ✓✓
International Agriculture	✓✓ ✓✓
Marine Biology	✓✓ ✓
Mathematics	✓✓**
Microbiology	✓✓ ✓✓
Molecular and Cellular Biology	✓✓ ✓✓
Molecular Genetics and Biochemistry	✓✓ ✓✓
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.	
<b>Bachelor of Social Work</b>	<b>Selected entry requirements:</b> Criminal record check, referees, written statement and must meet the requirements set down by the Social Worker Registration Act 2003 in terms of being a fit and proper person to practise social work. Students for whom English is a second language are required to achieve an IELTS score of 6.5 on every band.
<b>Bachelor of Speech and Language Therapy with Honours</b>	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). <b>Selected entry requirements:</b> Written statement, referees, criminal record check, interview.
<b>Bachelor of Sport and Exercise</b>	No specific subject requirements. Useful subjects for Exercise Prescription and Physical Education majors include Physical Education and Biology.
<b>Bachelor of Sport Management</b>	No specific subject requirements.
<b>Bachelor of Veterinary Science</b>	For 2020, entry into the veterinary pre-selection semester is open to all applicants who meet university entrance standards. However, we strongly recommend that in order to give yourself the best chance of success in being selected to the professional phase of the BVSc, you should complete 14-20 credits in each of Biology, Chemistry, Physics and EITHER Calculus OR Statistics at NCEA Level 3. <b>Note:</b> Students are selected into the professional phase on the basis of passing all the pre-requisite courses, completing 80 hours of veterinary work experience, their grades, and performance in the other selection assessments. Students for whom English is a second language are required to achieve an IELTS score of 7.0 overall with no band less than 6.5 for selection into the professional phase.
<b>Bachelor of Veterinary Technology</b>	Entry into the veterinary technology pre-selection semester is open to all applicants who meet university entrance standards. However, we strongly recommend that, in order to give yourself the best chance of being selected into the professional phase of the BVetTech, you should complete a minimum of 14 credits in each of Biology and Chemistry and EITHER Calculus OR Statistics at NCEA Level 3. <b>Note:</b> Students are selected into the professional phase of the degree on the basis of their first semester grades, an essay and the completion of 80 hours of veterinary work experience and work experience assessment. Students for whom English is a second language are required to achieve an IELTS score of 7.0 overall with no band less than 6.5 for selection into the professional phase.
<b>Te Aho Tatairangi: Bachelor of Teaching and Learning Kura Kaupapa Māori</b>	<b>Selected entry requirements:</b> Fluency in Te Reo Māori, referees, criminal record and safety checks, interview.

## KAUPAPA TOHU PAETAHI

# FIRST DEGREE PROGRAMMES

QUALIFICATION/PROGRAMME	AUCKLAND	MANAWATŪ	WELLINGTON	DISTANCE
Bachelor of Accountancy (3 years)	✓	✓		✓
Bachelor of AgriCommerce (3 years)		✓		✓
Bachelor of Agricultural Science (3 years)		✓		▲
Bachelor of Applied Economics (3 years)	✓	✓		✓
Bachelor of Arts (3 years)	✓	✓	▲	✓
Bachelor of Aviation (3 years)		✓		
Bachelor of Aviation Management (3 years)		✓		✓
Bachelor of Business (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 Science (3 years)	✓	✓	✓	✓
Bachelor of Horticultural Science (3 years)		✓		▲
Bachelor of Information Sciences (3 years)	✓	✓		✓
Bachelor of Māori Visual Arts (4 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 Tātairangi: Bachelor of Teaching and Learning Kura Kaupapa Māori (BTchgLrnKKM) (3 years)				✓

### CONJOINT DEGREE PROGRAMME

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

✓ Some or most majors available ▲ Some courses available ● Semester one pre-selection only ✓ First 2.5 years available then transfer to Manawatū