

2017

UNIVERSITY SUBJECTS ENTRY REQUIREMENTS

Subject Selection Guide



CAREERS	QUALIFICATIONS	RECOMMENDED SUBJECTS	MINIMUM ENTRY REQUIREMENTS
Agriscience For Agriculture, Horticulture, Equine	<i>Degree (3 years)</i> Massey University <i>Degree (4 years)</i> Lincoln	Biology, Chemistry, Statistics Chemistry: Biology, Statistics, English useful	University Entrance
Aviation	<i>Degree (3 years)</i> Massey University	Calculus, Physics	University Entrance
Architecture	<i>Degree (3+2 years)</i> Auckland University Victoria University (also interior) Unitec	Level 3 English, Maths, Physics and Visual Arts subjects offer good preparation for your portfolio.	Auckland Univ: ranking system + portfolio + minimum 16 credits in 1 Table A and 1 Table B subject. Unitec: University Entrance + portfolio Victoria Univ: University Entrance + selection after intermediate year
Arts/Humanities	<i>Degree (3 years)</i> Bachelor of Arts (BA) Most Universities	Any of the following subjects are recommended: Languages, Classical Studies, Computing, Drama, Economics, English, Geography, History, Art History, Calculus, Media Studies, Music, Statistics, Te Reo Maori, Te Reo Rangitira	University Entrance Languages and other subjects can be picked up at University Auckland Univ: 140 points
Biomedical Science	<i>Degree (3 years)</i> Victoria University	Biology, Chemistry, Calculus, Statistics and Physical Education are recommended	University Entrance
Business/Commerce/ Accounting	<i>Degree (3years)</i> Most Universities <i>Diploma</i> Polytechnics	Level 3 Mathematics with Calculus or Statistics if majoring in Economics. Accounting and Economics desirable but not compulsory Language rich subject Level 2 English, Mathematics	University Entrance Auckland Univ: ranking system Minimum of 16 credits in 3 Table A and B subjects 48+ credits at Level 2 in 4 subjects

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Communications/ Journalism/ Media Studies	<i>Degree (3 years)</i> AUT University of Waikato Massey University NZ School of Broadcasting	Level 3 language rich subjects	A minimum of 60 NCEA Level 3 subjects over 4 subjects (with at least 3 approved subjects), 18 NCEA Level 3 credits preferably including some merit or excellence results in one of : English, History, Geography, Classical Studies, Art History or Media Studies
Computing/IT	<i>Degree (3 years)</i> Bachelor of Computer Science Most Universities <i>Diploma</i> Polytechnics	Level 3 Mathematics with Calculus, Statistics, Physics, Language rich subjects Level 2 Mathematics, English	University Entrance 52 credits at Level 2 with 14 credits in 2 subjects + numeracy + literacy
Dental Technology	<i>Degree (3 years)</i> Otago	Level 2 Biology	University Entrance Minimum 14 Level 3 NCEA credits in Chemistry and 14 NCEA Level 2 credits in Physics
Dentistry	<i>Degree (5 years)</i> Otago	Level 3 Biology, Chemistry, Physics	University Entrance then entry competitive after first year Intermediate Health Science
Design	<i>Degree (3 years)</i> Most Universities Otago AUT Victoria University Unitec Massey University Media Design School	Level 3 Art subjects English, Art History useful Minimum of 24 credits at Level 3 Art, Design or Technology	University Entrance, Art portfolio (interview at AUT, Unitec)

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Education Bachelor of Education (Teaching Specialisation) Early Childhood Education (ECE) Primary teaching	<i>Degree (3 years)</i> Massey University University of Auckland University of Canterbury Victoria University (4years) WINTEC AUT Southern Institute of Technology	No specific subjects are recommended for preparation	Rank score, interview, literacy and numeracy assessment and referees report A bachelor's degree or a relevant professional qualification
Bachelor of Education (Teaching)	<i>Degree + 1 year TTC</i>		
Bachelor of Education (PE specialisation)	<i>Degree (4years)</i> Otago University Waikato University Canterbury University Auckland University	Biology and Physical Education recommended	As above
Engineering	<i>Degree (4 years)</i> Auckland University Canterbury University AUT Waikato University Victoria University Massey University	Level 3 Maths with Calculus, Physics are required. Recommended subjects are Chemistry, Biology, language rich subjects	Auckland Univ: ranking system 18+ credits in Physics and Calculus,
Fine Arts	<i>Degree (3-4 years)</i> Various programmes Auckland University Massey University AUT MIT Unitec Canterbury University Victoria University	Level 3 Practical Art subjects, Art History useful	University Entrance Portfolio, interview

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Food Science	<i>Degree (3 years)</i> AUT Massey University Otago University Auckland University	Level 3 Biology, Chemistry, Maths, Physics	University Entrance
Food Technology	<i>Degree (4 years)</i> Massey University	Level 3 Chemistry, Biology, Physics, Maths with Calculus	University Entrance, Physics 16 credits, Calculus 16 credits, Chemistry 14 credits
Food Innovation	<i>Degree (4 years)</i> Otago University	Level 3 Chemistry, Biology, Maths and Physics	University Entrance
Forestry	<i>Degree (4 years)</i> BSc Forestry Canterbury University	Level 3 Biology, Chemistry and Statistics. Economics and English useful	University Entrance
Health Science	<i>Degree (3 years)</i> Massey University Auckland University Otago University This is the foundation year for dentistry, medical laboratory science, medicine, pharmacy and physiotherapy. AUT Health Science majoring in Applied Mental Health Paramedicine Oral Health (also Otago University) Podiatry	Biology, Chemistry. For potential applicants to the Bachelor of Medicine and Bachelor of Surgery Biology, Chemistry and 1 English rich subject are recommended. Level 3 Chemistry, Physics and Biology Mathematics, a specialist Science Level 3 English, Biology, PE	University Entrance Rank score, minimum of 18 credits from 1 Table A and 1 table B subject University Entrance University Entrance + 14 Level 3 credits in 1 of Biology, Chemistry, Physics, Maths, Health or PE University Entrance University Entrance. Limited places so generally students with the highest level of academic achievement are selected.

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Health Science (continued)	Midwifery	Level 3 Biology, Chemistry and a language rich subject.	Minimum of 56 Level 3 credits in 3 approved subjects University Entrance. Minimum of 14 credits at Level 3 in Biology, Chemistry and an English rich subject
	Nursing (also available at Massey University and Auckland University)	Level 3 Maths, Science or Biology and a language rich subject	University Entrance + 14 credits in Level 3 Maths, Science or Biology subject.
	Occupational Therapy		University Entrance
	Physiotherapy		University Entrance. Limited places. Minimum of 56 Level 3 credits in 3 approved subjects.
Horticulture	<i>Diploma</i> Lincoln University (1 year + additional 1 year for management)	Level 2	Level 2 – 48 credits in 4 subjects
International Hospitality Management	<i>Degree (3 years)</i> AUT and other tertiary institutes	Level 3 language rich subjects, other languages, Mathematics and Business	University Entrance
Law	<i>Degree (4 years)</i> Most Universities	Level 3 English and related subjects e.g. History, Classics, Geography, Economics. A good standard of oral and written English is important.	University Entrance Selection at end of 1 st year based on marks. Variation in selection criteria at all Universities
Medical Laboratory Science	<i>Degree (4 years)</i> AUT Otago University Massey University	Level 3 Biology, Chemistry, Statistics	AUT: University Entrance + 14 credits in Level 3 Statistics, Biology and Chemistry Otago Univ: Entry after 1 st year Health Science
Medical Imaging	<i>Degree (3 years)</i> Unitec	Level 3 English, Maths and a Science (Biology or Physics)	University Entrance plus suitability
Medical Radiation Therapy	<i>Degree (3 years)</i> Otago University (taught at Wellington) Unitec (Postgraduate)	Level 3 Physics or Biology, Maths, English or language rich subject	University Entrance: Otago + very competitive selection Unitec: Medical Imaging + postgraduate

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Medicine Bachelor of Medicine and Surgery	<i>Degree (6 years)</i> Auckland University Otago University	Level 3 Biology, Chemistry, Physics, Maths, English (Chemistry most important)	Auckland Univ: ranking system into MBChB after 1 st year of either Bachelor of Health Sciences or the Bachelor of Science in Biomedical Science Otago Univ: Entry by selection after first year Health Science
Music	<i>Degree (3 years)</i> Programmes vary with different Tertiary institutes	Level 2 and 3 Music Academic as well as performance skills required	University Entrance + audition if doing Performance
Nursing	<i>Degree (3 years)</i> Auckland University AUT Massey Unitec MIT and other Tertiary institutes	Level 3 Biology, Chemistry or Physics, Maths + language rich subject Bridging and Pathways available into some programmes but not Auckland University	University Entrance for all degrees Auckland Univ: ranking system, 16 Level 3 credits from 1 Table A subject and 1 Table B subject
Optometry	<i>Degree (5 years total)</i> Auckland University	Level 3 Biology, Chemistry, Physics, Maths	University Entrance: Must complete 1 st year of either Bachelor of Science or bachelor of Biomedical Science
Pharmacy	<i>Degree (4 years + 1 year internship)</i> Auckland University Otago University	Level 3 Biology, Chemistry are required. Useful subjects are language rich subjects, Calculus, Statistics	Auckland Univ: ranking system, interview, 18 credits in Level 3 Biology and Chemistry Otago: University Entrance then entry after first year Health Science, competitive
Physiotherapy	<i>Degree (4 years)</i> AUT Otago University	Level 3 Biology, Chemistry, Physics, Maths, English	AUT: University Entrance with minimum of 56 credits in Level 3 in 3 approved subjects Otago Univ: University Entrance + selection at end of 1 st year Health Science
Planning	<i>Degree (4 years)</i>	Level 3 Geography useful	Auckland Univ: ranking system
Science	<i>Degree (3 years)</i> All universities	Level 3 Biology, Chemistry, Maths, Physics (varies with type of Science degree). Language rich subject useful.	University Entrance: ranking system for all Science courses at Auckland University

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Social Work	<i>Degree (4 years)</i> Bachelor of Social Work (BSW) Massey University Auckland University Canterbury University Otago University	No specific subjects are recommended for preparation	University Entrance plus interview
Speech and Language Therapy	<i>Degree (4 years)</i> BSLT Canterbury University Massey University	Level 3 Science background Level 3 English, Mathematics and Science subjects	University Entrance. 16 credits in 2 of the following at Level 3: Biology, Chemistry, Physics, Science, Mathematics
Sport & Exercise Science Sports & Recreation or Sport & Leisure	Degree level programmes at AUT Canterbury University Massey University Waikato University Otago University Auckland University-Science degree	Level 3 Sport background, Physical Education, Biology, Chemistry and Physics useful. General background for Waikato.	University Entrance Auckland Univ: ranking competitive
Surveying	<i>Degree (4 years)</i> Otago University	Level 3 Calculus and English. Physics is also highly recommended. Graphics, Geography, Mathematics and design are useful	Otago Univ: entry after 1 st year competitive
Tourism	<i>Degree (3 years)</i> AUT Victoria University Otago University Waikato university	All subjects are useful.	University Entrance
Veterinary Technology	<i>Degree (3 years)</i> Massey University	Level 3 Chemistry, Biology, at least 1 Mathematics subject and an English rich subject.	University Entrance. Places offered in Semester 2 after results of semester 1. Work experience of 80 hours must be completed prior to start of semester 1.
Veterinary Science	<i>Degree (4 years)</i> Massey University	Level 3 Biology, Chemistry, Calculus, Physics, Statistics	University Entrance followed by selection after 1 st semester – very competitive
Vet Nursing	<i>Diploma (2 years)</i> Unitec	Level 3 Maths and Biology	Experience with animals: Level 2 60 credits in 4 subjects including Biology

To be admitted to the University of Auckland you must gain the University Entrance Standard and be selected into a programme.

- **You will be ranked according to your best 80 credits at Level 3 or higher over a maximum of five approved subjects, weighted by the level of achievement attained in each set of credits. You are strongly encouraged to take Achievement Standards as preparation for University study.**

Approved Subjects

Accounting	Geography	Painting (Practical Art)
Agriculture & Horticulture	German	Photography
Biology	Graphics	Physical Education
Chemistry	Health Education	Physics
Chinese	History	Printmaking (Practical Art)
Classical Studies	History of Art	Religious Studies
Computing	Home Economics	Samoan
Cook Islands Maori	Indonesian	Science
Dance	Japanese	Sculpture (Practical Art)
Design (Practical Art)	Korean	Spanish
Drama	Latin	Social Studies
Economics	Mathematics with Calculus	Technology
Education for Sustainability	Mathematics - Statistics	Te Reo Rangatira or Te Reo Maori
English	Media Studies	
French	Music Studies	