

PLANNING AHEAD GUIDE



VICTORIA UNIVERSITY OF
WELLINGTON
TE HERENGA WAKA

CHOOSING YOUR SCHOOL SUBJECTS

Most subjects at Te Herenga Waka – Victoria University of Wellington can be started from an introductory level.

The recommended subjects in this guide will provide you with relevant preparation for particular courses or degrees. Subjects listed as prerequisites should be studied in Year 13 to ensure you have the relevant knowledge and skills to cope with the content of required courses for the degree or major of your choice.

If you do not have this prerequisite background in a subject, you will need to take bridging courses. If available, these courses may be best completed over the summer period prior to starting your first year or you may be able to take them in trimester one or two.

Key:



Recommended
Prerequisite

Use this guide* and the key to help choose your school subjects. Our Future Students team offers expert advice on coming to Te Herenga Waka-Victoria University of Wellington, choosing your subjects, and planning your degree. Look out for us at your school or at events in your region, or contact us with any questions you have about planning your studies.

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*At the time of printing the 'Planning Ahead Guide', the University was working through a change process that may impact some of our academic programmes and course offerings. Note that the majority of our courses will not be affected.

ARCHITECTURE AND BUILDING SCIENCE

A broad selection of school subjects is recommended. These might include subjects such as Biology, Design and Visual Communication, Digital Technologies, English, History, Mathematics, Physics, or Practical Arts, and any science or technology. No portfolio is required.

BUSINESS

Accounting, Business Studies, Calculus, Computer Science, Economics, Geography, Languages, Statistics, and essay-based subjects such as English and History will be useful for any Bachelor of Commerce degree, but most majors can be started without any specific background in that subject area. For Actuarial Science, Calculus is a prerequisite.

COMMUNICATION

There are no prerequisites for the Bachelor of Communication. All majors can be started from an introductory level in the first year.

DESIGN INNOVATION

Subjects to study at school include a balance of sciences and mathematics with Design, Design and Visual Communication, Digital Technologies, English, Media Studies, Practical Arts, and Technology. If you do not achieve 14 NCEA Level 3 credits (or equivalent) in one essay-based subject such as Art History, Classical Studies, Economics, English, Geography, or History, you will need to do a writing skills course in your first year of the Bachelor of Design Innovation. No portfolio is required.

EDUCATION

Early Childhood Education

Recommended subjects for the Bachelor of Education (Teaching) Early Childhood include a balance of Sciences, Mathematics, and essay-based subjects such as English, Geography, and History. Creative subjects such as Design, Music Studies, and Practical Arts are also useful.

Primary Teaching

Any undergraduate degree can be used as the basis for admission to postgraduate primary teaching programmes. If you are planning your undergraduate degree with the intention of undertaking a teacher education programme in the future, you should embrace the opportunity to study a broad base of curriculum areas, including mathematics, sciences, social sciences, and te reo Māori.

Subjects such as Early Childhood Education, Education, Mathematics, Music, New Zealand History, New Zealand Sign Language, Pacific languages, Psychological Science, Statistics, and te reo Māori will be particularly useful for those wishing to undertake a primary teacher education programme.

Secondary Teaching

Any undergraduate degree can be used as the basis for admission to postgraduate secondary teaching programmes. If you want to teach at secondary level, you should include the subjects you wish to teach in your undergraduate degree. You should choose teaching subjects that relate to the New Zealand school curriculum areas. We recommend that you take one teaching subject as a major, and another to at least 200 level. Subjects to consider taking to 200 level could be Education, a language, or Psychological Science.

ENGINEERING

We recommend that students interested in pursuing our four-year Bachelor of Engineering (with Honours) complete NCEA Level 3 Mathematics or equivalent. If you haven't completed the required level of Mathematics, we can suggest introductory courses that can meet the prerequisites for your core courses. We encourage students interested in Electrical and Electronic Engineering to take both Calculus and Physics.

		Subjects		
		Physics	Digital Technology	Mathematics*
BE (Hons) majors	Cybersecurity Engineering		▼	▼▼
	Electrical and Electronic Engineering	▼	▼	▼▼
	Software Engineering		▼	▼▼

*Where Mathematics is a prerequisite, Calculus or Statistics would also be sufficient

GLOBAL STUDIES

There are no prerequisites for the Bachelor of Global Studies, and any combination of different subjects will be useful for this interdisciplinary degree. Students who meet the requirements of previous language study may be admitted directly into higher level language courses.

HEALTH

There are no prerequisites for the Bachelor of Health. However, recommended subjects to study at school include Biology, English, Health, Home Economics, Physical Education, Physics, Science, Social Studies, and Statistics

HUMANITIES AND SOCIAL SCIENCES

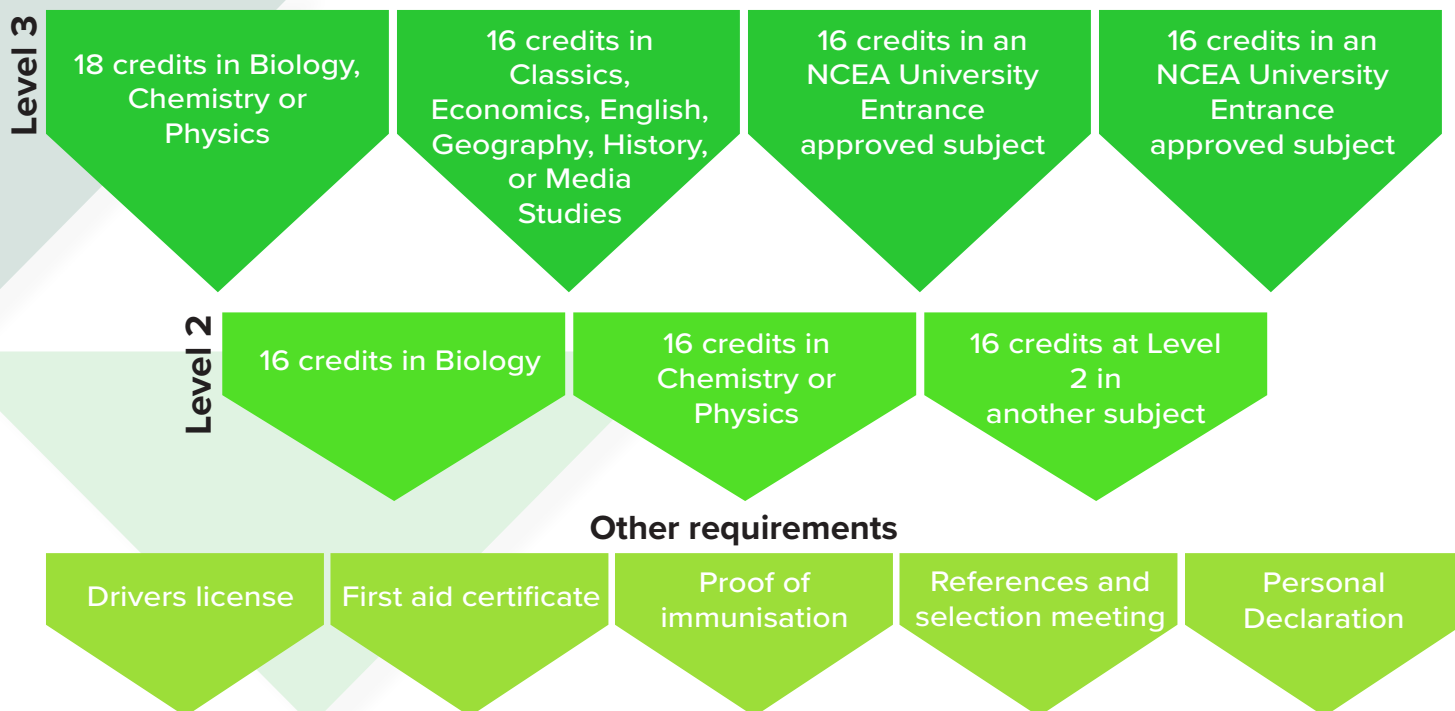
Any Bachelor of Arts major can be started from an introductory level. For some subjects, it is useful to have studied the relevant subject at school.

LAW

There are no prerequisites for the Bachelor of Laws. Subjects to study at school include those that you enjoy, that are essay-based, and that encourage analytical thinking such as Art History, Classics, Economics, English, Geography, History, Mathematics, Media Studies, Music, Physics, Psychology, and languages.

MIDWIFERY

Entry to the Bachelor of Midwifery (BMid) requires certain NCEA subjects. This includes Biology, Chemistry, or Physics at Level 2 and Level 3, as well as an English-rich subject such as English, History, Art History, Classics, Geography, Economics, or Media Studies at Level 3. It is recommended that interested students get in touch with the University as early as possible to discuss a pathway.



For more information on entry requirements, visit www.wgtn.ac.nz/bmid or contact the Faculty of Health: health@vuw.ac.nz / 0800 04 04 04

MUSIC

Some prior knowledge of music (including knowledge of music theory) is recommended for the Bachelor of Music (BMus). However, some courses can be taken without prior study of music. The introductory course MUSC 160 Introduction to Music Theory and Musicianship is offered in Trimester 3 for students without a good foundation in music theory. Classical Performance and Jazz Performance students must audition.

Major	Entry requirements
Classical	You'll need to audition for a place in this subject, meeting a standard equivalent to Grade 8 in Associated Board exams. Prior knowledge of music theory is required.
Jazz Performance	You'll need to audition to show you have reached a level of technical and musical competence in a jazz style on your instrument or voice. Prior knowledge of music theory is required.
Instrumental/Vocal Composition	Prior knowledge of music theory is required.
Sonic Arts and Music Technology	Prior knowledge of music theory is required.
Music Studies	Prior knowledge of music theory is required.

For more information about entry requirements, visit our website: www.wgtn.ac.nz/nzsm

PSYCHOLOGY

You can enroll in the Bachelor of Psychology (BPsyc) or any Psychology-related major no matter what you studied at school. Some experience with NCEA Level 1 or 2 Statistics or equivalent is recommended, although not required. Depending on which major you choose, other useful subjects at school could be Biology, Chemistry, Digital Technology, Health, or essay-based subjects.

SCIENCE AND BIOMEDICAL SCIENCE

Most Bachelor of Science majors can be started at an introductory level and completed within three years. However, students of Actuarial Science, Artificial Intelligence, Biotechnology, Cell and Molecular Bioscience, Chemistry, Computer Graphics and Games, Computer Science, Electronic and Computer Systems, Geophysics, Mathematics, and Physics will need to have met NCEA (or equivalent) requirements of core courses in these majors to complete in this time. For students who do not meet these requirements, there are alternative pathways available which our Future Students team can help you explore.

For the Bachelor of Biomedical Science, NCEA Level 3 Chemistry is strongly recommended. For those who haven't met the NCEA (or equivalent) requirements, there are alternative pathways available which our Future Students team can help you explore.

		Subjects					
		Biology	Chemistry	Physics	Calculus	Mathematics*	Other
BSc majors	Actuarial Science				▼▼		Economics
	Artificial Intelligence					▼▼	Digital Technology
	Biology	▼				▼	
	Biotechnology	▼	▼▼				
	Cell and Molecular Bioscience	▼	▼▼				
	Chemistry		▼▼		▼	▼	
	Computer Graphics and Games				▼	▼▼	Digital Technology
	Computer Science				▼	▼▼	Digital Technology
	Data Science					▼	Digital Technology
	Development Studies						English-rich subjects
	Ecology and Biodiversity	▼				▼	
	Electronic and Computer Systems			▼	▼	▼▼	English-rich subjects
	Environmental Science					▼	
	Environmental Studies					▼	English-rich subjects & Geography
	Geography					▼	Geography
	Geology			▼		▼	
	Geophysics			▼	▼	▼▼	Digital Technology
	Information Systems						Digital Technology
	Marine Biology	▼				▼	
	Mathematics				▼▼		Digital Technology
	Physical Geography					▼	Geography
	Physics			▼▼	▼▼		
	Psychological Science					▼	English-rich subjects
	Science Communications						English-rich subjects
	Space Science					▼	Digital Technology
	Statistics					▼	
BBMedSc majors	Human Genetics	▼	▼▼			▼	Digital Technology
	Molecular Pathology	▼	▼▼			▼	Digital Technology
	Molecular Pharmacology and Medicinal Chemistry	▼	▼▼			▼	Digital Technology

*Where Mathematics is a prerequisite, Calculus or Statistics would also be sufficient