

# 2019 Subject Guide for School Students (Years 9–12)

This guide shows Year 13 school subjects that are recommended or required for University of Auckland degree programmes. **Recommended subjects** are those that are useful for degree preparation, but not required to gain entry. **Required subjects** are those that are needed to gain entry to a degree.

For programmes that refer to **Table A and/or B subjects**, use the tables below:

## For NCEA

Table A	Table B
Classical Studies, English, Geography, History, History of Art, Te Reo Māori (or Te Reo Rangatira)	Accounting, Biology, Calculus, Chemistry, Digital Technologies, Economics, Mathematics†, Physics, Statistics

† Mathematics cannot be used in combination with Calculus and/or Statistics.

## For CIE

Table A	Table B
Classical Studies, English, Geography, History, History of Art	Accounting, Biology, Business Studies, Chemistry, Economics, Mathematics, Physics

## Gaining Admission

To be admitted to the University, you must:

- have a University Entrance qualification based on NCEA, CIE (taken in NZ), IB or another recognised, equivalent qualification
- meet the rank score and any other requirements for your chosen programme

See the 2019 Undergraduate Prospectus or the University of Auckland website ([www.auckland.ac.nz/admission](http://www.auckland.ac.nz/admission)) for full information on the requirements for University Entrance and selection into a programme.

## Academic English Language Requirement (AELR)

If you are applying for admission to an undergraduate programme and you are a domestic student, or an international student applying on the basis of a New Zealand secondary school qualification or on the basis of results at another New Zealand tertiary institution, in addition to any University Entrance Literacy standard, you must meet the Academic English Language Requirement either through your entry qualification or during your first 12 months of study.

### Meeting the requirement through school qualifications

To satisfy the AELR via an entry qualification from a New Zealand secondary school you must achieve the following:

- For those applying on the basis of **NCEA**: You must have gained the University Entrance Literacy Standard AND a minimum of **17 credits in English at Level 2 and/or 3.**\* †

- For those applying on the basis of **CIE (taken in NZ)**: You must have gained the University Entrance Literacy Standard AND a minimum of a **D grade** in an **English course at AS or A Level**.
- For those applying on the basis of **International Baccalaureate (IB)**: You must have gained the University Entrance Literacy Standard AND be in receipt of 26 points.

\* Does not apply to applicants who meet the University Entrance Literacy Standard in Te Reo.

† English for Academic Purposes standards US 22750 and US 22751 will contribute to meeting the AELR.

### Meeting the requirement in your first 12 months of study

If you do not meet the requirement through your entrance qualification as outlined above, but otherwise qualify for admission, you can satisfy the AELR during your first year of study by passing an academic English language course as part of your General Education programme, or as otherwise specified by your Faculty. For more information please see [www.auckland.ac.nz/aclr](http://www.auckland.ac.nz/aclr)



THE UNIVERSITY OF  
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Te Whare Wānanga o Tāmaki Makaurau  
NEW ZEALAND

## ARTS

Programme	Recommended school subjects
Bachelor of Arts (BA)	Students will be selected on the basis of their rank score. There are no specific subjects required for admission. However any of the following subjects are recommended: Languages, Classical Studies, Drama, Economics, English, Geography, History, History of Art, Mathematics, Media Studies, Music, Social Studies, Calculus, Statistics, Te Reo Māori, Te Reo Rangatira.

## BUSINESS

Programme	School subjects required and/or recommended
Bachelor of Commerce (BCom)	Students will be selected on the basis of their rank score. Students should include three subjects from Table A and/or Table B in their set of 5 approved subjects at NCEA Level 3 or equivalent.
Bachelor of Property (BProp)	<p>Recommended subjects for BCom and BProp: Year 13 Statistics and/or Calculus, or Mathematics*</p> <p><i>*Mathematics cannot be used in combination with Calculus and/or Statistics.</i></p> <p>Prior study in Accounting and Economics is beneficial but not essential.</p>

## CREATIVE ARTS AND INDUSTRIES

Programme	School subjects required and/or recommended
Bachelor of Architectural Studies (BAS)	<p>Students will be selected on the basis of their rank score, a portfolio of creative work, written statement and credits achieved in one subject from Table A and one subject from Table B at NCEA Level 3 or equivalent.</p> <p>Other than the Table A and B requirement, there are no specific subjects required. Art and design subjects are useful for your portfolio. Digital Technologies subjects may also be useful.</p>
Bachelor of Dance Studies (BDanceSt)	Students will be selected on the basis of their rank score, CV, written statement and an interview/audition. There are no specific subject requirements. NCEA Level 3 Dance or equivalent offers useful preparation.
Bachelor of Fine Arts (BFA)	Students will be selected on the basis of their rank score, portfolio of creative works and written statement. There are no specific subjects required. Art and design subjects are useful for your portfolio.
Bachelor of Music (BMus) – Classical Performance, Jazz Performance or Popular Music – Composition or Musicology	Students will be selected on the basis of their rank score, audition/composition portfolio, and/or statement of musical background. There are no specific subject requirements. However Musical Literacy equivalent to NCEA credits in Level 3 Music Studies or Practical Music, or high grades in NCEA Level 2 Music or Grade 6 Music Theory, are recommended.
Bachelor of Urban Planning (Honours) (BUrbPlan(Honours))	Students will be selected on the basis of their rank score and a written statement. There are no specific subject requirements. Science and English-rich subjects may be useful preparation.

## EDUCATION AND SOCIAL WORK

Programme	Recommended school subjects
Bachelor of Education – Teaching (BEd(Tchg)) · Primary, Huarahi Māori, Early Childhood specialisations	Students will be selected on the basis of their rank score, interview, police check, and referees' reports. There are no specific subjects required for admission, however any of the following are recommended: Languages, Classical Studies, Economics, English, Geography, History, History of Art, Mathematics, Te Reo Māori, Te Reo Rangatira. A good standard of oral and written English is important.
Bachelor of Social Work (BSW)	
Bachelor of Sport, Health and Physical Education (BSportHealthPE)*	

*\*An interview, police check and referees' reports not required.*

# ENGINEERING

Programme	School subjects required and/or recommended
Bachelor of Engineering (Honours) (BE(Honours))	Students will be selected on the basis of their rank score and credits achieved in NCEA Level 3 Calculus and Physics, or CIE A Level Mathematics and Physics, or IB Higher Level Mathematics and Physics. CIE AS Level, or IB Standard Level, may be accepted based on the grade achieved. Any of the following are also recommended: Chemistry, Biology, English-rich subjects (Classics, English, Geography, History, History of Art).

# GLOBAL STUDIES

Programme	Recommended school subjects
Global Studies	<p>Students will be selected on the basis of their rank score and credits achieved in the following:</p> <p>CIE: three subjects from Table A and/or Table B and/or the following languages: Chinese, French, German, Japanese, Spanish.</p> <p>NCEA: three subjects from Table A and/or Table B and/or the following languages: Chinese, Cook Island Maori, French, German, Japanese, Korean, Niuean, Samoan, Spanish, Tongan.</p> <p><b>Any of the following subjects are also recommended:</b> Languages, Classical Studies, Drama, Economics, English, Geography, History, History of Art, Mathematics, Media Studies, Music, Social Studies, Calculus, Statistics, Te Reo Māori, Te Reo Rangatira.</p>

# LAW

Programme	Recommended school subjects
Bachelor of Laws (LLB (Part I))	To be accepted into LLB Part I, students must first be accepted into one other bachelors degree programme. Students will be selected into Part II on the basis of their results in Part I. There are no specific subjects required for admission. Any of the following are recommended: Languages, Classical Studies, Economics, English, Geography, History, History of Art, Te Reo Māori, Te Reo Rangatira. A good standard of oral and written English is important.

# MEDICAL AND HEALTH SCIENCES

Programme	School subjects required and/or recommended
Bachelor of Health Sciences (BHSc)	Students will be selected on the basis of their rank score and credits achieved in one subject from Table A and one subject from Table B at NCEA Level 3 or equivalent. CIE students require one of Biology, Chemistry or Physics at full A Level. For potential applicants to the MBChB, Biology, Chemistry and at least one English-rich subject are strongly recommended.
Bachelor of Medicine and Bachelor of Surgery (MBChB)	Applicants for the MBChB must first complete the required Year 1 courses in the BHSc or the BSc (in Biomedical Science). Biology, Chemistry and at least one English-rich subject are strongly recommended. Physics and Mathematics (Statistics or Calculus) are useful.
Bachelor of Nursing (BNurs)	Students will be selected on the basis of their rank score and credits achieved in one subject from Table A and one of Biology, Chemistry or Physics at NCEA Level 3 or equivalent. CIE students will be selected on the basis of their rank score, one subject from Table A, and one of Biology, Chemistry or Physics at full A Level.
Bachelor of Pharmacy (BPharm)	Applicants for the BPharm must first complete the required Year 1 courses in the BHSc or the BSc (in various majors including Biomedical Science, Exercise Science, Food Science and Nutrition, Medicinal Chemistry, Pharmacology or Physiology). Biology and Chemistry and at least one English-rich subject are strongly recommended. Physics and Mathematics (Statistics or Calculus) are useful.
Bachelor of Optometry (BOptom)	Applicants for the BOptom must first complete the required Year 1 courses of the BSc (in Biomedical Science). Biology and Chemistry and at least one English-rich subject are recommended. Physics and Mathematics (Statistics or Calculus) are useful.
Bachelor of Medical Imaging (BMedImag(Honours))	Applicants for the BMedImag(Hons) must first complete the required Year 1 courses of the BSc (in Biomedical Science). Biology, Chemistry and at least one English-rich subject are strongly recommended. Physics and Mathematics (Statistics or Calculus) are useful.

# SCIENCE

Programme

Recommended school subjects

✓ Useful   ✓✓ Recommended   ✓✓✓ Strongly Recommended

Bachelor of Science (BSc)

Students will be selected on the basis of their rank score. There are no required subjects. See the list below for preparation subjects relating to the majors.

English-rich subjects (Classical Studies, English, Geography, History, History of Art) are useful for any major, particularly those marked. Computer-based subjects including Digital Technologies are strongly recommended for all majors.

All majors	Chemistry	Biology	Physics	Statistics / Mathematics	Calculus / Mathematics	English-rich
Anthropological Science		✓		✓		✓✓
Applied Mathematics				✓✓	✓✓✓	✓✓
Biological Sciences	✓✓	✓✓		✓		✓✓
Biomedical Science	✓✓✓	✓✓	✓	✓ One of either		✓
Biotechnology	✓✓	✓✓	✓	✓ One of either		✓
Chemistry	✓✓		✓	✓ One of either		✓
Computer Science			✓		✓✓	✓✓
Data Science			✓	✓ One or both		✓✓
Earth Sciences	✓		✓	✓ One of either		✓✓ Geography
Ecology	✓	✓		✓✓		✓✓ Geography
Environmental Science		✓		✓✓ One of either		✓✓ Geography
Exercise Sciences	✓	✓✓		✓		
Food Science and Nutrition	✓✓	✓✓	✓	✓✓ One of either		✓
Geography				✓✓	✓	✓ Geography
Geophysics			✓		✓	✓
Information Systems			✓	✓✓ One of either		✓✓ Geography*
Logic and Computation				✓	✓	✓
Marine Science	✓✓	✓✓		✓		✓
Mathematics				✓✓	✓✓✓	✓✓
Medicinal Chemistry	✓✓✓	✓✓	✓✓	✓ One of either		✓✓
Pharmacology	✓✓✓	✓✓	✓✓	✓ One of either		✓✓
Physics		✓†	✓✓✓		✓✓	✓
Physiology	✓✓✓	✓✓	✓✓	✓ One of either		✓✓
Psychology		✓✓		✓✓		✓✓
Statistics				✓✓	✓✓	✓

\* Accounting is also useful preparation.

† Biology is recommended for students with an interest in Medical Physics.

## Got questions?

Visit AskAuckland,  
your online help and  
support centre.

[AskAuckland.ac.nz](http://AskAuckland.ac.nz)

## For more information contact:

The Schools Partnership Office

The University of Auckland

Alfred Nathan House

24 Princes Street

Private Bag 92019

Phone: +64 9 373 7599 ext: 85541

Email: [spo@auckland.ac.nz](mailto:spo@auckland.ac.nz)



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