

# Best preparation for university study

## What Year 13 subjects should I take at school?

This is for indicative purposes only. Speak with your UC Liaison Officer for more details

### UC Degrees

A good standard of oral and written communication is important for all UC degrees.    ✓✓✓ Essential    ✓✓ Highly Recommended    ✓ Useful

<b>Bachelor of Arts (BA)</b> ✓ English, Geography, Classical Studies, History, Economics	<b>Bachelor of Commerce (BCom)</b> ✓ Statistics, Economics, Accounting, Business Studies	<b>Bachelor of Engineering with Honours (BE(Hons))</b> • Computer Engineering • Electrical and Electronic Engineering • Mechatronics Engineering • Software Engineering  Direct Entry applications for 2 <sup>nd</sup> year Engineering programmes will be considered only if students have completed MATH199 and achieved the specific high results advised. Both Differentiation and Integration standards are compulsory for Calculus. ✓✓✓ Physics 14 credits (18 credits recommended), Calculus 14 credits (18 credits recommended)	
<b>Bachelor of Arts (BA) • Economics</b> Calculus is only needed by students who wish to continue to honours in Economics. ✓✓✓ Calculus ✓ Statistics, English, Geography, Classical Studies, History, Economics	<b>Bachelor of Commerce (BCom) • Economics</b> Calculus is only needed by students who wish to continue to honours in Economics ✓✓✓ Calculus ✓ Statistics, Economics, Accounting, Business Studies		
<b>Bachelor of Arts (BA) • English</b> ✓✓ English ✓ Geography, Classical Studies, History, Economics	<b>Bachelor of Commerce (BCom) • Finance</b> ✓✓✓ Calculus ✓✓ Statistics ✓ Economics, Accounting, Business Studies		
<b>Bachelor of Arts (BA) • Languages</b> ✓ English, Geography, Classical Studies, Languages, History, Economics	<b>Bachelor of Commerce (BCom) • International Business</b> ✓ Statistics, Languages, Economics, Accounting, Business Studies		
<b>Bachelor of Arts (BA) • Mathematics</b> ✓✓✓ Calculus ✓✓ Statistics ✓ English, Geography, Classical Studies, History, Economics	<b>Bachelor of Communication (BC)</b> ✓✓ English		
<b>Bachelor of Arts (BA) • Music</b> ✓✓ Music ✓ English, Geography, Classical Studies, History, Economics	<b>Bachelor of Criminal Justice (BCJ)</b> ✓✓ English, Geography, Classical Studies, Drama, Te Reo Māori, Languages, History, Economics, Art History ✓ Statistics		
<b>Bachelor of Arts (BA) • Social Science Subjects</b> ✓ Statistics, English, Geography, Classical Studies, History, Economics	<b>Bachelor of Engineering with Honours (BE(Hons))</b> • Chemical and Process Engineering • Civil Engineering • Forest Engineering • Mechanical Engineering • Natural Resources Engineering  Direct Entry applications for 2 <sup>nd</sup> year Engineering programmes will be considered only if students have completed MATH199 and achieved the specific high results advised. Both Differentiation and Integration standards are compulsory for Calculus. ✓✓✓ Physics 14 credits (18 credits recommended), Chemistry 14 credits (18 credits recommended) Calculus 14 credits (18 credits recommended)		
<b>Bachelor of Arts (BA) • Statistics</b> ✓✓✓ Calculus ✓✓ Statistics ✓ English, Geography, Classical Studies, History, Economics			
			<b>Bachelor of Fine Arts (BFA)</b> Excellent practical art ability is essential ✓✓✓ Practical Arts Subjects ✓ Art History, Art Theory
			<b>Bachelor of Forestry Science (BForSc)</b> ✓ Chemistry (NCEA Level 2), Biology, Statistics
		<b>Bachelor of Health Science (BHSc)</b> ✓ Biology, Statistics, Health Education	
	<b>Bachelor of Health Science (BHSc) • Environmental Health</b> ✓✓✓ Chemistry ✓ Physics, Biology, Calculus, Statistics, Geography, Health Education		
	<b>Bachelor of Health Science (BHSc) • Māori and Indigenous Health</b> ✓ Biology, Statistics, Te Reo Māori, Health Education		
	<b>Bachelor of Health Science (BHSc) • Public Health</b> ✓ Biology, Statistics, Geography, Health Education		
	<b>Bachelor of Laws (LLB)</b> ✓✓ English, Classical Studies, Drama, Te Reo Māori, Languages, History, Economic, Art History		

<b>Bachelor of Music (MusB)</b> ✓✓ Music	<b>Bachelor of Science (BSc) • Chemistry</b> ✓✓✓ Chemistry ✓ Physics, Biology, Calculus, Statistics	<b>Bachelor of Science (BSc) • Psychology</b> ✓ Biology, Statistics
<b>Bachelor of Music (MusB) • New Music</b> Previous experience in the writing of your own music is required to study Notated Composition or Song-writing. Notated Composition requires good musical literacy and notation skills. For other technology-based New Music courses prior knowledge of notation is not essential. ✓✓✓ Music	<b>Bachelor of Science (BSc) • Computer Science</b> ✓✓✓ Calculus ✓✓ Statistics, Programming and Computer Science	<b>Bachelor of Science (BSc) • Statistics</b> ✓✓✓ Calculus ✓✓ Statistics
<b>Bachelor of Music (MusB) • Performance Music:</b> A strong technique and repertoire in your performance area is essential. A strong theoretical knowledge is a significant advantage. ✓✓✓ Music	<b>Bachelor of Science (BSc) • Data Science</b> ✓✓✓ Calculus ✓✓ Statistics, Computing	<b>Bachelor of Social Work (BSW)</b> ✓ Statistics, English, Geography, Classical Studies, History Economics
<b>Bachelor of Music (MusB) • Applied Immersive Game Design</b> ✓✓ Science, Calculus, Statistics ✓ Design and Visual Communication, Digital Technologies & Technology	<b>Bachelor of Science (BSc) • Economics</b> Calculus is only needed by students who wish to continue to honours in Economics. ✓✓✓ Calculus ✓ Statistics	<b>Bachelor of Speech and Language Pathology with Honours (BSLP(Hons))</b> ✓✓ Science ✓ Biology, Statistics, Te Reo Māori, Languages
<b>Bachelor of Product Design (BProdDesign) • Chemical Formulation Design</b> ✓✓✓ Chemistry ✓✓ Science, Calculus, Statistics ✓ Design and Visual Communication, Digital Technologies & Technology	<b>Bachelor of Science (BSc) • Environmental Science</b> ✓ Chemistry, Calculus	<b>Bachelor of Sport Coaching (BSpC)</b> Community involvement, coaching, refereeing, people skills and experience in dealing with young people are very useful. ✓✓ English ✓ Biology, Physical Education
<b>Bachelor of Product Design (BProdDesign) • Industrial Product Design</b> ✓✓ Physics, Science, Calculus, Statistics ✓ Design and Visual Communication, Digital Technologies & Technology	<b>Bachelor of Science (BSc) • Finance</b> ✓✓✓ Calculus ✓✓ Statistics	<b>Bachelor of Teaching and Learning (Early Childhood) (BTchLn(EarlyChildhood))</b> Community involvement, people skills and experience in dealing with children are very useful. ✓✓ Calculus, Statistics, English, Te Reo Māori
<b>Bachelor of Science (BSc) • Astronomy</b> ✓✓✓ Physics, Calculus ✓ Chemistry, Statistics	<b>Bachelor of Science (BSc) • Financial Engineering</b> ✓✓✓ Calculus ✓✓ Statistics, Programming and Computer Science, Digital Technologies & Technology	<b>Bachelor of Teaching and Learning (Primary) (BTchLn(Primary))</b> Community involvement, people skills and experience dealing with children and/or young adolescents are very useful. ✓✓ Calculus, Statistics, English, Te Reo Māori
<b>Bachelor of Science (BSc) • Biochemistry</b> ✓✓✓ Chemistry ✓ Physics, Biology, Calculus, Statistics	<b>Bachelor of Science (BSc) • Geography</b> ✓ Physics, Chemistry, Biology, Science, Geography	<b>Bachelor of Youth and Community Leadership (BYCL)</b> Open to students from a range of interests or experience in leadership roles. No particular background study is required. A passion for: • Social change • Community work • and volunteering is the best preparation.
<b>Bachelor of Science (BSc) • Biological Sciences:</b> ✓ Physics, Chemistry, Biology, Calculus, Statistics	<b>Bachelor of Science (BSc) • Geology</b> ✓ Physics, Chemistry, Biology, Calculus, Statistics, Geography	
	<b>Bachelor of Science (BSc) • Mathematics</b> ✓✓✓ Calculus ✓ Statistics	
	<b>Bachelor of Science (BSc) • Physics</b> ✓✓✓ Physics, Calculus ✓ Chemistry, Statistics	

## University Entrance

University Entrance (UE) is the minimum requirement to go to a New Zealand university

To qualify via NCEA you will need:

- NCEA Level 3
- Three approved subjects at Level 3, with a minimum of 14 credits in each
- UE Literacy requirements (10 credits at Level 2 or above from a specified list of standards)
- UE Numeracy requirements (10 credits at Level 1 or above)

To qualify via CIE (gained in New Zealand) you will need:

- A minimum of 120 points at A or AS level across your top three approved subjects achieved over the last two years of study.
- D grade or above in each of at least three of those subjects
- UE CIE Literacy requirements (E grade or above in AS Level English Language, Literature in English or Language and Literature in English)
- UE CIE Numeracy requirements (D grade or above in IGCSE or GCSE mathematics, or E grade or above in AS Level mathematics)

To qualify via IB you will need the IB Diploma with a minimum of 24 points

**Don't meet the requirements for a specific UC Degree?**

Speak with your UC Liaison Officer about the pathways available for you.

liaison@canterbury.ac.nz

Freephone: 0800 VARSITY

canterbury.ac.nz