Planning your programme and career

The following pages are designed to help you choose what to study and understand how to plan your first-year programme.

Know your mind

Making good decisions about your future starts with knowing yourself. Think about your skills, your interests and the values that are important to you. There are excellent interactive tools available on the Careers New Zealand website that can get you started thinking broadly about what careers might suit you. The jobs database on the same website shows the jobs that are going to be in high demand now and in the next few years—for example, engineer and IT specialist.

www.careers.govt.nz

www.futureintech.org.nz

The Vic Careers website also has some great career development tools to help you on your way—check out the link on "Making Career Decisions", then look at "What can I do with my degree/subject?"

www.victoria.ac.nz/careers

Choosing a degree

Choosing your degree can be complicated. Will you enjoy it? Will you be good at it? Will you get the job of your dreams? Everyone is different—some people study a degree to help them get a particular job, while others want to keep their options open and study something that they are fascinated with. There's no right way to approach this decision; just make sure to choose what you will enjoy spending time on—you'll always do better at what you enjoy. If you haven't worked out what you want to study yet, there are many different ways to get started.

Careers →	Degrees →	Subjects
If you have an idea of what kind of career you want, you can work backwards to find the right degree to get you there. Flip through the degree pages in this section and look at the 'Potential careers' information under each degree. Look at the career information under each subject in Subject and course information (from page 116). Visit **www.careers.govt.nz** and **futureintech.org.nz**	Some degrees are quite specialised, with most of your first-year courses already set into a programme—eg. BAS, BE and BBmedSc. Others allow much more flexibility, and even give you the chance to choose majors from other degree programmes. This means you can study diverse combinations of subjects and still complete your degree in three years—eg. BA, BSc, BCom.	Are you fascinated by marketing or crime rates in New Zealand or do you want to understand poverty better? The 'Subject and course information' section has descriptions for all of our first-year courses. Read through these and see if any appeal to you. Make sure to also check out our videos at **www.victoria.ac.nz/futurestudents** for help with degree and career choices.

What employers want

Some careers like architect or lawyer demand a specific degree, but, increasingly, well-developed transferable skills and the ability to adapt are seen as important assets for today's workplace. Successful people have a flexible outlook and take advantage of opportunities. Some careers will require you to have done postgraduate study.

Employers look for enthusiasm and passion as well as good grades. They hire graduates who are able to explain why they chose their particular course of study and why they enjoyed it.

The right attitude to life, study and work is what gives you the competitive edge when applying for jobs.

The statistics show that our graduates are employed in a wide variety of sectors. In 28 percent of vacancies advertised, employers did not specify any particular degree or subject area. There was a strong demand for graduates across all disciplines.

Humanities and social sciences	18%
Commerce	36%
Law	17%
Science/Architecture/Design	28%
Information technology	28%
All degrees considered	28%

Note: Percentages do not total 100 as in some cases more than one type of degree was requested by employers.

How does it all work?

Many of Victoria's degrees allow you to select from a wide range of courses, giving you flexibility in your study choices. To understand how it works, check out the degree pages from page 40, which also include degree examples.

Degree

A degree is a qualification awarded when you complete a programme of university study. The degrees discussed in this booklet are undergraduate degrees, which are also called Bachelor's degrees. A typical degree requires 360 points and three years of full-time study. You'll normally take around 120 points (six to eight courses of 15 or 20 points each) per year. Some degrees take longer than three years—for example, the Bachelor of Laws (LLB) takes four. Each degree has its own set of requirements that you need to complete in order to graduate.

Courses

Courses are blocks of work that are usually taught over one trimester. When you pass a course, you gain points (see below)—usually 15 or 20 points per course. First-year students usually only take 100-level courses, although there are some exceptions. Other universities sometimes refer to courses as 'papers'.

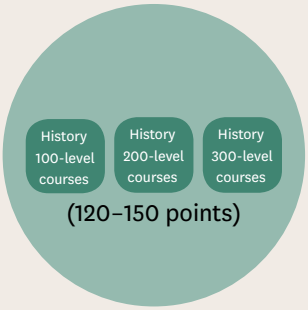
Course codes

Each course has a code of four letters and three numbers. The letters show the subject and the numbers show the level. For example, CHEM 113 is a Chemistry course at 100 level; and ENGL 234 is an English Literature course at 200 level.

Points

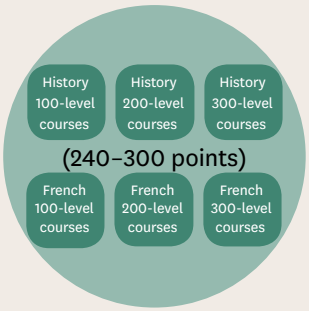
Each course is worth a certain number of points. Every course you pass adds points to the total required for your degree.

Majors



These are the subject(s) you specialise in. For example, you can take a Bachelor of Arts (BA) with a major in History, or a Bachelor of Science (BSc) with a major in Marine Biology. You will take courses in your major subject through to your final year. Your major will normally make up about a third of the courses in your degree. Some degrees don't have majors and some use the term 'specialisation' instead of 'major'.

Double majors



A double major is when you specialise in two subjects within one degree—for example, a BA with a double major in History and French. This requires the same number of points as a degree with only one major, and should not take any extra time. Some of our degrees even let you take a second major from another degree—for example, you can do a BSc with a double major in Physics and German.

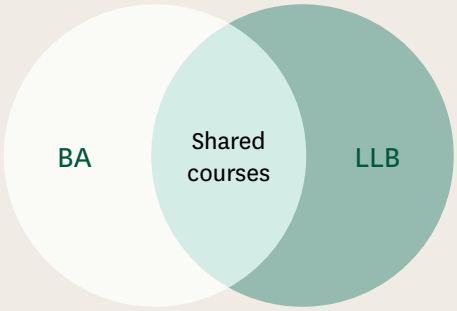
Minors and electives

In some of our degrees you can do a minor—similar to a major, but with fewer courses. You can also include other subjects you are interested in, often called electives.

Trimesters

The year is divided into three trimesters—the first from March to July, the second from July to October and the third from November to February. They are often referred to as 1/3, 2/3 and 3/3. A course usually takes one trimester to complete. Only a small number of students choose to study in the third (or summer) trimester—most students use this time to take a break, or to work and save for their next year of studies.

Conjoint programmes



A conjoint degree is a specialised double degree programme, which, due to cross-crediting, allows two three-year degrees to be completed in four to five years. At Victoria, any two undergraduate degrees can be studied together in a conjoint programme. For all conjoint degrees, a B minus grade average (or better) is required to continue in the conjoint programme each year. If you do not maintain that average you will be strongly encouraged to finish one degree first and do the second degree later. However, Victoria's flexible degree structure means that many students will be able to fit all their subject choices into one degree. This means a fourth year of study can be undertaken to do Honours or a Graduate Diploma, which will differentiate you from the rest when it comes time to look for a job. You can also bridge into further study at postgraduate level.

Planning your first-year programme

Once you've selected your degree(s) and the subjects you want to study, you need to plan your first year.

Top tips:

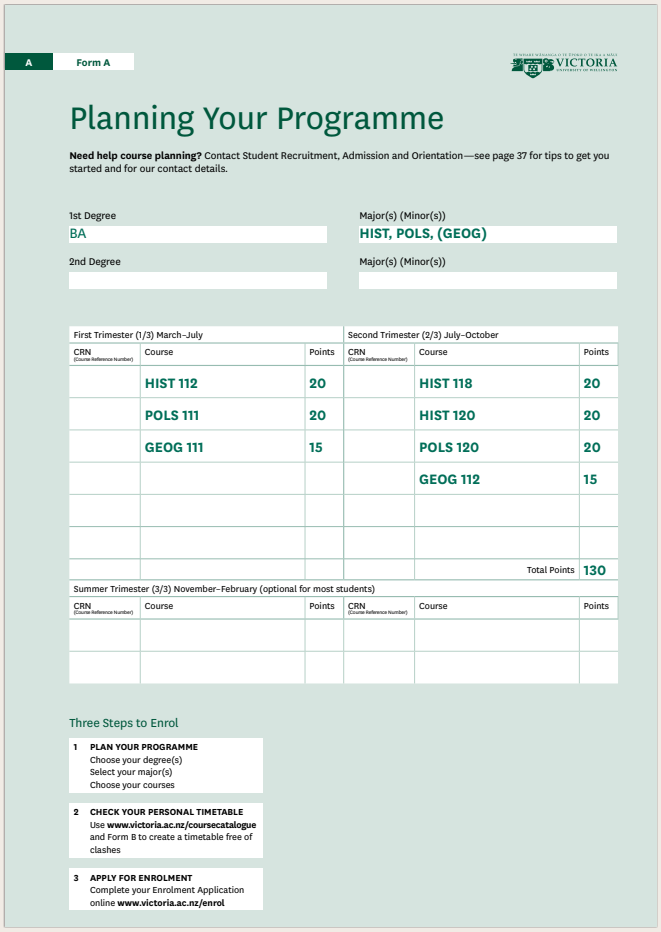
- Choose only 100-level courses (unless you have special permission).
- Don't take on too much—for every hour you spend in class, you should spend around two hours working on your own. The average full-time workload is 120 points a year. However, StudyLink considers 96 points the full-time requirement for Allowances and Loan living costs. We encourage you to think carefully about your workload. The transition from school to university can be tough, and some students may benefit from taking fewer points in their first year—particularly in their first trimester.
- Look ahead: If you plan to take a subject or course at 200 level in your second year, make sure you check what prerequisites or 100-level course(s) you may need to do first. You can check prerequisites on the online Course Catalogue.

www.victoria.ac.nz/coursecatalogue

Step by step

1. Use Form A at the back of this guide to plan your first-year programme.
2. Go to the pages for your chosen degree(s). Read the degree requirements, noting any rules you need to be aware of.
3. Look at the required first-year courses for the major(s) and/or minor(s) you want to do. Normally, making sure you follow the first step of the major requirements for a given subject will mean you can progress in this subject to 200 level in your second year. Check the online Course Catalogue for prerequisites for 200-level and 300-level courses **www.victoria.ac.nz/coursecatalogue**
4. Flick to the Subject and course information at the back of the book to find out more about what the courses are you can select for your major(s) and/or minor(s)—eg. what are the first-year HIST courses? Which ones sound interesting to you? Read through this section to see if there are any other subjects that interest you.
5. Put together a balanced programme across Trimesters One and Two that will allow you to progress in the subjects you are interested in. This will normally mean taking three or four courses in Trimester One and three or four courses in Trimester Two.

1st year: Bachelor of Arts (BA) History and Political Science with a minor in Geography



A Form A

VICTORIA

Planning Your Programme

Need help course planning? Contact Student Recruitment, Admission and Orientation—see page 37 for tips to get you started and for our contact details.

1st Degree	Major(s) (Minor(s))
BA	HIST, POLS, (GEOG)
2nd Degree	Major(s) (Minor(s))

First Trimester (1/3) March–July			Second Trimester (2/3) July–October		
CRN (Course Reference Number)	Course	Points	CRN (Course Reference Number)	Course	Points
	HIST 112	20		HIST 118	20
	POLS 111	20		HIST 120	20
	GEOG 111	15		POLS 120	20
				GEOG 112	15
				Total Points	130

Summer Trimester (3/3) November–February (optional for most students)					
CRN (Course Reference Number)	Course	Points	CRN (Course Reference Number)	Course	Points

Three Steps to Enrol

1 **PLAN YOUR PROGRAMME**
Choose your degree(s)
Select your major(s)
Choose your courses

2 **CHECK YOUR PERSONAL TIMETABLE**
Use **www.victoria.ac.nz/coursecatalogue** and Form B to create a timetable free of clashes

3 **APPLY FOR ENROLMENT**
Complete your Enrolment Application online **www.victoria.ac.nz/enrol**

If this were your programme you could then take 200-level courses in History and Political Science in your second year, and continue with some 100- or 200-level Geography courses too.

There are examples for specific degree programmes in the following degree pages.

Setting your timetable

From October, you'll be able to look at the 2014 online Course Catalogue and check your timetable for the courses you have chosen.

www.victoria.ac.nz/coursecatalogue

Use Form B at the back of this Guide to organise your timetable. Make sure you don't have two classes scheduled at the same time. Send us your course plan by email at **course-advice@vuw.ac.nz** before you enrol online and we will double check you have it right.

Contact us

The Student Recruitment, Admission and Orientation team is here to help. We have offices in both Auckland and Wellington.

STUDENT RECRUITMENT, ADMISSION AND ORIENTATION

Level 1, Hunter Building, Kelburn Campus
Phone 04-463 5374, or 0800 VICTORIA (Option 4)
Fax 04-463 5193
Email course-advice@vuw.ac.nz
Web www.victoria.ac.nz/futurestudents

VICTORIA RECRUITMENT CENTRE—AUCKLAND

Phone 0800 VICTORIA (842 867) or 09-306 8814
Fax 09-358 8100
Email vicuni-auckland@vuw.ac.nz
Website www.victoria.ac.nz/futurestudents

Bachelor of Architectural Studies

www.victoria.ac.nz/bas

FACULTY OF ARCHITECTURE AND DESIGN

Student Administration Adviser
Phone 04-463 6200
Email architecture@vuw.ac.nz
Website www.victoria.ac.nz/architecture

The Bachelor of Architectural Studies (BAS) is a three-year undergraduate degree offered in four specialisations—Architecture, Architecture History and Theory, Interior Architecture and Landscape Architecture. This unique degree programme encourages cross-disciplinary study from all four areas.

All disciplines share a common first year with the Bachelor of Building Science (BBSc) (see pages 58–63). This gives students maximum exposure to all aspects of the built environment, and flexibility to choose the best programme for their own interests and needs.

No portfolio is required to get in to first year, but selection into second-year programmes is based on academic performance in the first year. Students who successfully complete first-year BAS in Architecture are also eligible to apply for entry into second-year Interior Architecture or Landscape Architecture programmes, or for entry into the second year of the BBSc (see page 59).

The fluidity of the BAS degree structure means students gain exposure to a variety of subjects including theory and applications, construction, structures, Pacific architecture, urban design and an introduction to practice and management.

The degree will provide students with the skills, practical knowledge and theoretical approaches required in the designed environment professions. Depending on their specialisation, successful graduates will have a thorough grounding in a range of subjects across design, technologies, management, history, environmental science, theory and urban design, making them well equipped for a professional career or for continued study and research at postgraduate level.

The BAS leads into a two-year Master's-level qualification for students wanting an accredited professional degree in Architecture or Landscape Architecture, or a professionally recognised degree in Interior Architecture. Students specialising in Architecture History and Theory may continue their studies with a Postgraduate Diploma in Architecture History and Theory, which leads into the one-year Master of Architecture thesis programme. Progression into these Master's qualifications is on the basis of academic performance.

Recommended school subjects

These include Mathematics with Calculus, Statistics and Modelling, Physics, English, Technology, Art, Design or Graphics. If you do not have a minimum of 14 NCEA Level 3 credits in each of two of Mathematics with Calculus, Statistics and Modelling and/or Physics, you will need to include SARC 122 Introduction to Applied Physics, Numerical Methods and Statistics for Designers in your first-year programme.

Postgraduate opportunities

The BAS leads into Master's programmes in Architecture, Architecture History and Theory, Interior Architecture and Landscape Architecture. Master's students can extend their undergraduate specialisations and pursue other areas within their chosen disciplines that can be supervised by the School of Architecture.

www.victoria.ac.nz/postgraduate

Potential careers

Victoria's architecture programme is recognised nationally and internationally. The BAS specialising in Architecture, along with a Master of Architecture (Professional), will fulfil the academic requirements needed to register as an architect with the New Zealand Registered Architects Board (NZRAB) and join the New Zealand Institute of Architects.

The BAS specialising in Interior Architecture, along with a Master of Interior Architecture, is internationally recognised through its affiliation with the International Federation of Interior Design/Architecture (IFI).

The BAS specialising in Landscape Architecture, along with a Master of Landscape Architecture, will be recognised by the New Zealand Institute of Landscape Architects (NZILA) as fulfilling the academic requirements to become a professional landscape architect.

As well as working as architects, interior architects and landscape architects, graduates are suited to a range of careers from project management, theatre design, curatorial work, construction consultancy, to teaching and lecturing.

www.victoria.ac.nz/careers

Final-year project by Master of Architecture (Professional) candidate Grace Mills

Matthew Fitzgerald

Third-year Bachelor of Architectural Studies student specialising in Architecture
From Reporoa

My main interests during school were the arts, mathematics and science. One of my teachers introduced me to Architecture, which was the perfect combination of those subjects. I was looking for a degree that gave me options, and the way the BAS is structured gave me that variety.

My first year was full-on and competitive, but I enjoyed that aspect of it. It made me try a lot harder to produce work at a higher level. Without that push, I may not have realised what I could achieve.

Studying in Wellington means I am central to friends and family throughout New Zealand. Wellington is a compact city, which means that I have the freedom to walk anywhere.

I have been very lucky over the last few years to have some amazing lecturers and tutors. My tutors from first year taught me many skills that I am still using.

To all those coming into Architecture—my advice is just to work at it. If it's what you want to do, keep going, work hard and you will get to where I am now. Making it through the first year is a huge achievement, and while it doesn't get any easier, it shows your determination and what you can achieve.

My future plans are to finish off my degree and gain my Master of Architecture. My studies have given me the interest to travel, and have introduced me to many things around the world that I would like to see.

Specialisations

Architecture explores the essence of the built world as an expression of culture. Studying architecture is about gaining a breadth of knowledge and developing the skills to creatively apply that knowledge to architectural design situations.

Architecture History and Theory is a theory-based specialisation encompassing concepts wider than the professionally-orientated practical Architecture specialisation. It focuses on the historical, social, political and critical contexts of how our built and imagined environments come into being. This specialisation is designed for those who are interested in the historical and theoretical concepts that frame the built environment.

Interior Architecture is a challenging discipline that deals with our interaction with spaces—outside, inside and in-between. The intimate connection and concern with people and their physical, cultural and emotional environments is fundamental. Victoria's interior architects design social, commercial, residential and institutional spaces.

Landscape Architecture draws from diverse disciplinary interests in the creation of landscapes that are culturally, socially, economically and environmentally responsive. Design studios provide the environment to explore and synthesise the roles of technology, communication, history and theory. Students will develop an understanding of issues relating to place, scale, landscape processes, time, strategy and synthesis.

Specialisation	Code
Architecture	ARCI
Architecture History and Theory	AHTY
Interior Architecture	INTA
Landscape Architecture	LAND

Degree requirements

Total points required: 360

Every personal programme of study shall include:

- 270 points from the BAS schedule
- 210 points from courses numbered 200–399, including 180 points from the BAS schedule
- 75 points from courses numbered 300–399 from the BAS schedule
- for students specialising in Architecture History and Theory, up to 30 points from other degrees may be counted as BAS points.

First year (all specialisations)

Trimester One (1/3)	Trimester Two (2/3)
SARC 111	SARC 112
SARC 131	SARC 121
SARC 151	SARC 122*
SARC 161	SARC 162

*SARC 122 may be replaced with an elective course of your choice if you have gained a minimum of 14 NCEA Level 3 credits in two of: Calculus, Physics, Statistics and Modelling.

You may also replace it with an elective of your choice if you are specialising in Architecture History and Theory or Landscape Architecture, although doing SARC 122 is recommended if you wish to keep your options open to study Architecture or Interior Architecture in the second year.

Specialisation in Architecture

Second year		Third year	
ARCI 211	SARC 222	ARCI 311	SARC 352
ARCI 212	SARC 223	ARCI 312	SARC 362
ARCI 251	Elective (15 points)	SARC 321	Elective (15 points)
SARC 221		SARC 351	

Specialisation in Interior Architecture

Second year		Third year	
INTA 211	SARC 221	INTA 311	SARC 352
INTA 212	SARC 223	INTA 312	SARC 362
INTA 251	Elective (15 points)	INTA 321	Elective (15 points)
INTA 261		SARC 323	

Specialisation in Landscape Architecture

Second year		Third year	
LAND 211	LAND 251	LAND 311	SARC 352
LAND 212	LAND 261	LAND 312	SARC 362
LAND 221	Elective (15 points)	LAND 321	Elective (15 points)
LAND 222		SARC 351	

Specialisation in Architecture History and Theory

Second year	Third year
Two courses from:	Two courses from:
ARCI 251	SARC 351
INTA 251	SARC 352
LAND 251	SARC 353
SARC 251	SARC 354
and a further 60 points numbered 200–399 from courses labelled ARCI, INTA, LAND, SARC, CCDN, ARTH, CLAS or HIST with at least 30 points at 300 level. 30 points may be substituted for courses from other subjects offered by Victoria University.	

Degree example—BAS specialising in Architecture

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
SARC 111 15 pts	SARC 112 15 pts	ARCI 211 15 pts	ARCI 212 30 pts	ARCI 311 15 pts	ARCI 312 30 pts
SARC 131 15 pts	SARC 121 15 pts	ARCI 251 15 pts	SARC 223 15 pts	SARC 351 15 pts	SARC 321 15 pts
SARC 151 15 pts	SARC 122 15 pts	SARC 221 15 pts	DSDN 144 15 pts	SARC 362 15 pts	SARC 352 15 pts
SARC 161 15 pts	SARC 162 15 pts	SARC 222 15 pts		BILD 261 15 pts	
120 points		120 points		120 points	

Core course | **Specialisation** | **Elective**

Total points required: 360
Total points completed: 360

Degree example—BAS specialising in Interior Architecture

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
SARC 111 15 pts	SARC 112 15 pts	INTA 211 15 pts	INTA 212 30 pts	INTA 311 15 pts	INTA 312 30pts
SARC 131 15 pts	SARC 121 15 pts	INTA 251 15 pts	SARC 223 15 pts	SARC 323 15 pts	INTA 321 15 pts
SARC 151 15 pts	SARC 122 15 pts	INTA 261 15 pts	ARTH 112 20 pts	SARC 362 15 pts	SARC 352 15 pts
SARC 161 15 pts	SARC 162 15 pts	SARC 221 15 pts		ARTH 111 20 pts	
120 points		125 points		125 points	

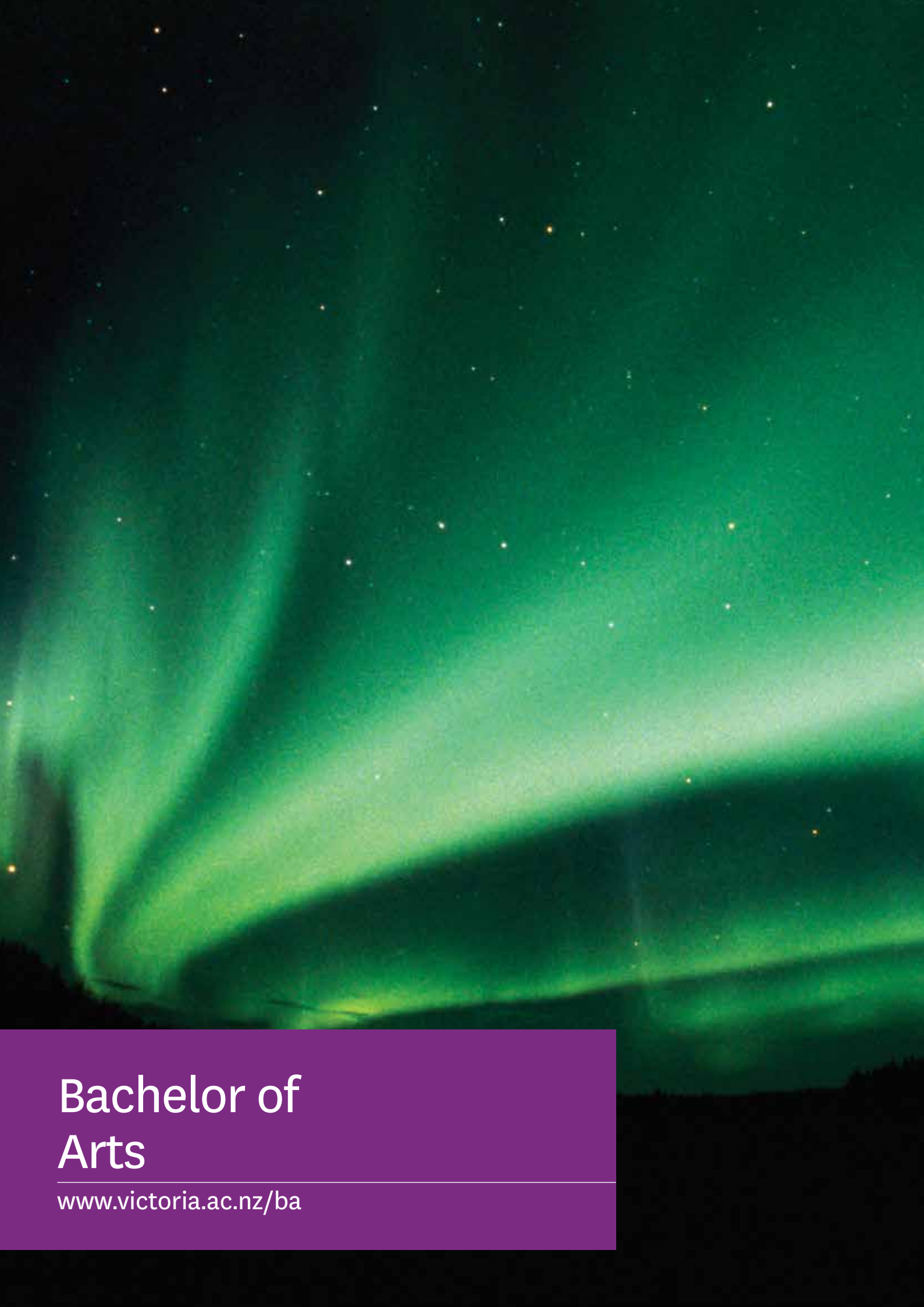
Core course | **Specialisation** | **Elective**

Total points required: 360
Total points completed: 370

Creating Territories, *ARCI 411 studio project by Gordon Yung.*

PROXIMITY
+
ARCHITECTURE

CONSTRUCTING TERRITORIES



Bachelor of Arts

www.victoria.ac.nz/ba

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

Customer Services Administrator
Phone 04-463 5745
Email fhss-enquiries@vuw.ac.nz
Website www.victoria.ac.nz/fhss

Studying the humanities and social sciences is about gaining skills and abilities essential to any career. While immersing yourself in languages, History, Political Science or Media Studies, you will hone your problem-solving and analytical skills, and learn to present arguments imaginatively and clearly.

While the flexibility of the three-year Bachelor of Arts (BA) means you can study the subjects important to you, a Victoria BA is about more than just subject areas. You'll be expected to think creatively and critically and adapt positively to challenging new ideas.

The humanities include subjects where we explore what it means to be human; for example, languages, History, English Literature, Media Studies, Film, Theatre and Music. Social sciences include subjects where we explore how humans interact with each other, such as Cultural Anthropology, Criminology and Sociology.

Victoria is well known for its strengths and breadth in the humanities and social sciences, including a particularly rich languages programme. We encourage you to try a new language, or keep up with one you have learnt before. We also recommend that you try new subjects, as the BA offers many subjects which will be new to you.

Choose subjects that are closely related (such as Asian Studies and an Asian language) for a focused, specialised degree—or major in one subject that suits your career ambitions, while keeping your passions alive with study in other areas. You can even choose a second major or minor from one of Victoria's other Bachelor's degrees and include it in your BA.

Many of our programmes have connections in Wellington that create unique opportunities for you to engage in during your studies. These include the Museum of New Zealand Te Papa Tongarewa (Art History, History, Cultural Anthropology, Māori Studies and Pacific Studies), Archives New Zealand (History, Māori Studies, Political Science), Parliament and the Government (Political Science, Social Policy, Criminology), New Zealand Film Archive (Film) and professional and amateur theatre (Theatre).

Many students combine a BA with study for another degree. Because a number of courses can be credited to both degrees, it is possible for students to complete two three-year degrees in four to five years.

The 2013 QS World Rankings placed the Faculty in the top 50 for its teaching in Politics and International Relations and English Language and Literature. The Faculty was also ranked in the top 150 in the world in Modern Languages, Philosophy, and Communications and Media Studies.

In the recent Performance Based Research Fund quality evaluation released by the Tertiary Education Commission, disciplines in Humanities and Social Sciences dominated the results, with seven of the 10 areas taught in the Faculty coming first in New Zealand.

School subjects

Any BA major can be started from an introductory level in the first year, but for some subjects, such as languages, mathematics and music, it is useful to have studied the relevant subject at school.

Postgraduate opportunities

A BA can lead to further study in Victoria's Honours, Master's and PhD programmes in a wide range of subject areas. We also offer a number of specialist graduate and postgraduate diplomas.

www.victoria.ac.nz/postgraduate

Potential careers

The career opportunities for Humanities and Social Sciences graduates are varied. BA graduates are employed in almost every part of the workforce, both in jobs relating to their specialty subject and by employers who value their analytical and communication skills. Policy analyst, journalist, teacher, translator, diplomat, artist, market researcher, social worker, librarian, criminologist, aid worker—a BA is suited to hundreds of careers.

www.victoria.ac.nz/careers

Tihema Baker

Final-year Bachelor of Arts student majoring in Māori Studies and English Literature
From Otaki
Ngāti Raukawa ki te Tonga, Te Āti Awa ki Whakarongotai, Ngāti Toarangatira

I know my sister had a lot of influence on me. She studied her Bachelor's and Master's degrees here, and she was quick to recommend Victoria to me. After attending the Study at Vic Open Day I was very impressed, and pretty much decided that night that I would enrol.

I always enjoyed English as a subject at school, and I have been a passionate writer for as long as I can remember, so English Literature seemed like the best direction to take at Victoria. Purely out of interest, I also decided to take a Te Reo Māori and a Māori Studies course, to learn a bit more about my own culture.

My first year was great; I was lucky enough to be accepted into the Weir House Hall of Residence, and I think a hall was definitely the best way to start my university experience. Being a small town boy in a hall full of students from all over New Zealand and abroad was initially a little daunting, but I quickly made a lot of friends and the crazy antics of hall life more than made up for the workload I soon found myself with. I particularly enjoyed the Māori Studies courses, so I ended up picking up Māori Studies as a second major.

What always strikes me about Victoria is the multitude of different cultures, ethnicities, languages, beliefs and attitudes that can be found anywhere on campus, all studying at the same place. Because of this, I think Victoria has a unique culture of its own, which is exciting to belong to.

One other aspect of Victoria that I think is particularly special is the marae, Te Herenga Waka. A lot of people don't actually know it's there or have never gone for a visit, but it is such a welcoming place of study for students of all backgrounds. I know my own studies have really benefited from it and its staff.

At this stage, finding a job to make use of my degree is probably first up on my to-do list. I have thought about teaching, which I would probably like to do, but I am also finishing work on a novel that I have been writing in the Te Papa Tupu Māori Writers Programme, which I hope to be published by the end of the year. Depending on how well this goes, I could become a full-time writer, which would be an absolute dream.

Degree requirements

Total points required: 360

- Maximum of 180 points at 100 level.
- Minimum of 180 points at 200/300 level required (three years of full-time study).
- 75 points at 300 level required.
- No course numbered 300–399 may be counted towards more than one major or minor.
- At least 240 points must be in subjects from Part A of the BA schedule. These are the non-starred majors and subjects listed right.
- The exception is if you choose a starred major (listed in Part B of the BA Statute). In this case, you only need to take 180 points in Part A subjects (but you must still take at least 360 points total).
- All BA students must complete major requirements in at least one listed major (right). As long as your first major is a non-starred major, you can include a second major in your BA from any Victoria undergraduate degree (up to 120 points). You must confirm the requirements with your Student Adviser.
- Each subject has specific courses you need to take to meet the requirements of a major and involves in-depth study to 300 level. If you are not sure which subject to choose as your major, you can include a number of different options in your first year, and make a more specific choice in your second year. Many students major in two subjects in the BA.
- A BA double major is achieved by completing the full major requirements for two subjects. Your degree certificate will say 'BA in X and Y'.
- BA students may also select up to two minors in undergraduate subject areas offered by the University for the BA, BAS, BCom, BDI and BSc degrees and not taken as a major or from additional minor subject areas listed in these degree statutes. A minor comprises at least 60 points from the relevant subject area at 200 level or above, of which at least 15 points must be at 300 level and not counted towards a major or another minor. Many courses have specific prerequisites—consult the online Course Catalogue for details. **www.victoria.ac.nz/coursecatalogue**
- If you are considering a second major taught by another faculty or adding a minor to your BA, you must contact your Student Adviser for degree planning advice.

Subjects

Subject	Major code
Art History	ARTH
Asian Studies	ASIA
Chinese	CHIN
Classical Studies	CLAS
Criminology	CRIM
Cultural Anthropology	CUAN
Development Studies*	DEVE
Early Childhood Studies**^	ECED
Economics*	ECON
Education**	EDUC
Education and Psychology*	EDPS
English Literature	ENGL
Film	FILM
French	FREN
Geography*	GEOG
German	GERM
Greek	GREE
History	HIST
International Relations	INTP
Italian	ITAL
Japanese	JAPA
Latin	LATI
Linguistics	LING
Māori Resource Management	MREM
Māori Studies	MAOR
Mathematics*	MATH
Media Studies	MDIA
Modern Language Studies	MLST
Music*	MUSC
Pacific Studies	PASI
Philosophy	PHIL
Political Science	POLS
Psychology*	PSYC
Public Policy*	PUBL
Religious Studies	RELI
Samoan Studies/Fa'asāmoa	SAMO
Second Language Education	SLED
Social Policy	SPOL
Sociology	SOSC
Spanish	SPAN
Te Reo Māori	TREO
Theatre	THEA

*If your major is in one of these subject areas, you will only be required to complete 180 points from the non-starred subject areas.

**Inclusion in Part A of BA schedule subject to approval.

^At present students can only enrol in this major as a double major within the BA.

Other subjects (not majors)

- Creative Writing
- Deaf Studies
- Museum and Heritage Studies
- Text Technologies
- Writing (Academic and Professional)

Major requirements

The requirements listed below are the requirements for a major; statutory requirements are listed in the Victoria University *Calendar*. Several majors are currently subject to approval or under review. Check the major requirements on the Victoria website before enrolling in 2014.

In most cases, but not all, the courses listed in a. of the major requirements below are what you need to take in your first year. To find out details of what a particular course is about and when it is taught, look in the Subject and course information (from page 116).

Art History (ARTH)
a. 40 points from ARTH 100–199
b. 40 points from ARTH 200–299
c. 40 points from ARTH 300–399
d. 20 further points from ARTH 200–399 or approved substitute

Asian Studies (ASIA)
a. ASIA 101 and a further 20 approved 100-level points
b. ASIA 201 and a further 20 approved 200-level points
c. ASIA 301 and a further 20 approved 300-level points

Chinese (CHIN)**
a. CHIN 101 and 102, and either CHIN 112 or ASIA 101
b. CHIN 211 and 212
c. CHIN 311 and 312
d. One of CHIN 213, 313 or 314 or ASIA 208

**Major requirements currently under review.

Classical Studies (CLAS)
a. 40 points from CLAS 100–199
b. 40 points from CLAS 200–299
c. 40 points from CLAS 300–399
d. 20 further points from CLAS 200–399
e. The overall programme of study must include at least 20 points from each of the following groups:
   (i) CLAS 101, 203, 204, 210, 211, 303, 304, 310, 311 (literature/myth)
   (ii) CLAS 102, 202, 209, 302, 309 (art)
   (iii) CLAS 104, 105, 207, 208, 307, 308 (history)

Note: One 100-level CLAS course may be replaced by one of LATI 103 or LATI 213 or GREE 112. The Programme Director may approve the inclusion of CLAS 212/312 in any of the groups (i)–(iii) depending on the subject of this course in any given year. CLAS 213/313 may fulfil the requirements of group (i) or group (iii).

Criminology (CRIM)**
a. CRIM 111
b. CRIM 212 and 20 points from CRIM 200–299 or SACS 201
c. CRIM 326 and 40 points from CRIM 300–399

**subject to approval

Cultural Anthropology (CUAN)
a. ANTH 101 and 102
b. 40 points from ANTH 200–299
c. 40 points from ANTH 300–399

Development Studies* (DEVE)***
a. GEOG 112, 212, 312, 316
b. Five further approved courses with significant relevance to Development Studies or Development Studies content comprising:
   (i) one regional and one subject-based course at 100 level**
   (ii) one regional and one subject-based course at 200 level
   (iii) at least 20 points from 300-level courses

This major requires careful planning. We recommend you look at the Geography, Environmental and Development Studies Undergraduate Prospectus, available online at **www.victoria.ac.nz/developmentstudies**

**See page 132.
***Major requirements currently under review.

Early Childhood Studies (ECED)**
a. EPOL 113, 215, 317 and EPSY 113
b. EPSY 315 or another approved course from EPOL, EPSY or KURA 300–399
c. One further approved course from EPOL 200–399, EPSY 200–399 or KURA 200–399

**Inclusion in Part A of BA schedule subject to approval.

Note: At present students can only enrol in this major as a double major within the BA.

Economics* (ECON)
a. ECON 130, 140, QUAN 102 or (MATH 177 or STAT 131/193), QUAN 111 or (MATH 141/142, 151)
b. ECON 201 and 202; one of (ECON 211, 212, FINA 201, MATH 277, QUAN 201, 203, STAT 231, 233)
c. Any three courses from (ECON 301–399, FINA 304, FINA 306, PUBL 303)

Education (EDUC)**
a. FEDU 101 and at least 15 further points from EPOL 113, 180–189, EPSY 113, 140–149, KURA 101
b. At least 55 points from EPOL 215, 281–289, EPSY 240–249, KURA 241–249
c. FEDU 301 and 40 further points from EPOL 317, 385–389, EPSY 315, 340–349 and KURA 341–349, 389

**Inclusion in Part A of BA schedule subject to approval.

Education and Psychology* (EDPS)
a. EPSY 141 or 142; PSYC 121 or 122; STAT 193
b. EPSY 243 or 244; PSYC 232
c. EPSY 342 or 343; PSYC 325
d. 30 further points from EPOL, EPSY, FEDU, KURA or PSYC 200–399
e. 30 further points from EPOL, EPSY, FEDU, KURA or PSYC 300–399

Note: This major meets the requirements for progression to the BA(Hons) EDUC but not the BSc(Hons) PSYC.

From 2014 students will not be able to do a double major in Education and Psychology (EDPS) and Psychology (PSYC) or Education and Psychology (EDPS) and Education (EDUC).

English Literature (ENGL)
a. 40 points from ENGL 100–199**
b. ENGL 201; 40 further points from ENGL 200–299
c. 20 points from ENGL 300–329; 40 further points from ENGL 300–399

**subject to approval

Film (FILM)**
a. FILM 101 and FILM 102
b. 40 points from FILM 200–299
c. 40 points from FILM 300–399
d. 20 further points from FILM 200–399, or an approved alternative

**Subject to approval

French (FREN)***
a. FREN 101 and FREN 102**
b. FREN 104
c. FREN 201 and FREN 202 and a further 20 points from FREN 200–299
d. FREN 301 and FREN 302 and a further 20 points from FREN 300–399

**Requirement (a) will be waived for students who have the appropriate NCEA Level 3 requirements (or equivalent).

***Subject to approval

Geography* (GEOG)**
a. GEOG/ESCI 111, GEOG 112 and GEOG/ENVI 114
b. 60 points from GEOG 200–299
c. 60 points from GEOG 300–399

**Major requirements currently under review.

German (GERM)
a. GERM 103, 104**
b. GERM 114
c. GERM 217, 218 and 20 further points from GERM 200–299
d. Two of GERM 315, 316, 320, 321
e. One of GERM 314 or 318

**Requirement (a) will be waived for students who have the appropriate NCEA Level 3 requirements (or equivalent).

Greek (GREE)
a. CLAS 104 and 40 points from GREE 100–199
b. 40 points from GREE 200–299
c. 40 points from GREE 300–399

History (HIST)
a. 40 points from HIST 100–199, CLAS 104, 105
b. 40 points from HIST 200–299, CLAS 207, 208
c. 60 points from HIST 300–399, CLAS 307, 308
d. At least 100 of the above points must be from HIST 100–399, of which at least 40 points must be from HIST 300–399

Note: The CLAS courses are optional. Only 40 100-level points are required in total.

International Relations (INTP)
a. INTP 113 and 20 points from POLS 100–199
b. 20 points from INTP 200–299 and 20 further points from either INTP or POLS 200–299
c. 40 points from INTP 300–399

Note: Students wishing to take a double major in POLS and INTP must complete at least 10 POLS and INTP courses; normally one POLS and one INTP course at 100 level, two POLS and two INTP courses at 200 level and two POLS and two INTP courses at 300 level.

Italian (ITAL)
a. ITAL 114 and 115
b. ITAL 215, 216 and 20 further points from ITAL 200–299
c. ITAL 315, 316 and 20 further points from ITAL 300–399

Japanese (JAPA)***
a. JAPA 111 and JAPA 112**
b. JAPA 113
c. JAPA 204 and JAPA 205 and a further 20 points from JAPA 200–299
d. JAPA 304 and JAPA 305 and a further 20 points from JAPA 300–399

**Requirement (a) will be waived for students who have the appropriate NCEA Level 3 requirements (or equivalent).

***subject to approval

Latin (LATI)
a. CLAS 105, LATI 103**, LATI 104
b. 40 points from LATI 200–299***
c. 40 points from LATI 300–399

**With approval, CLAS 101 may be included instead of LATI 103.

***Students approved to begin at 200 level are required to do 40 further points from LATI 300–399.

Linguistics (LING)
a. One approved logic, computer science or language course**
b. LING 211 and 221
c. One of LING 327, 328 or 329; 20 further points from LING 300–399
d. 20 further points from LING 100–399

**A candidate whose language in the home or school is not English may apply for an exemption from this requirement.

Māori Resource Management (MREM)
a. MAOR 101 and 102**
b. MAOR 111 and 112
c. MAOR 210 and 215
d. MAOR 313 and one of ENVI 314, GEOG 314 or MBUS 302

**Requirement (a) will be waived for students who have the appropriate NCEA Level 3 requirements (or equivalent).

Māori Studies (MAOR)
a. MAOR 101 and 102**
b. MAOR 111, 112 and 123
c. MAOR 211 and 216
d. MAOR 311 and 313***

**Requirement (a) will be waived for students who have the appropriate NCEA Level 3 requirements (or equivalent).

***Substitute courses at 300 level may be approved by the Head of School for students doing a second major in Te Kawa a Māui.

Mathematics* (MATH)
a. MATH 142, 151 and 161
b. 60 points from MATH 300–399
c. 60 further points from MATH 200–399

Media Studies (MDIA)
a. 40 points from MDIA 100–199**
b. 40 points from MDIA 200–299
c. 40 points from MDIA 300–399
d. 20 further points from MDIA 200–399

**subject to approval

Modern Language Studies (MLST)**
a. Either CHIN 101, 102, or FREN 112, 113, or GERM 103, 104, or ITAL 114, 115, or JAPA 111, 112, or MAOR 101, 102, or SAMO 101, 102, or SPAN 111, 112
b. Either CHIN 211, 212, or FREN 115, 116, or GERM 217, 218, or ITAL 215, 216, or JAPA 115, 116 or MAOR 111, 112 or SAMO 201, 202, or SPAN 215, 216
c. Either CHIN 311, 312, or FREN 215, 216, or GERM 315, 316 or 320, 321, or ITAL 315, 316, or JAPA 202, 203, or MAOR 211, 221, or SAMO 301, 302 or SPAN 315, 316
d. 40 points from LING 200–399

Note: Students completing this major will be required to complete at least 40 points of 300-level language or Linguistics courses.

**Major requirements currently under review.

Music* (MUSC)
a. MUSC 160**
b. MUSC 105
c. One of the following:
   (i) General focus: 20 further 100-level MUSC points, two of MUSC 226–229, 230, 245–259, two of MUSC 326, 346, 349–365
   (ii) Musicology focus: MUSC 166, 167, MUSC 266, one of MUSC 234–239, one of MUSC 220–259 and two of MUSC 320–359
   (iii) Ethnomusicology focus: MUSC 150 or PERF 151, two of MUSC 249–259 and two of MUSC 349–359
   (iv) Composition and Sonic Arts focus: CMPO 101, 181; 30 points from CMPO 210, 211, 280–289; one of MUSC 230–265; 40 points from CMPO 301–315, 380–389

**Requirement (a) will be waived for students who can demonstrate sufficient knowledge of music theory either through a placement examination or through an appropriate NCEA Level 3 achievement standard in music (or equivalent).

Pacific Studies (PASI)
a. PASI 101, 201, 202 and 301
b. 20 points in Samoan, Māori or French language
c. 40 further approved 200- or 300-level points with significant content in Pacific Studies, at least 20 of which shall be at 300 level

Philosophy (PHIL)
a. 40 points from PHIL 100–199
b. 40 points from PHIL 200–299
c. 60 points from PHIL 300–399

Political Science (POLS)
a. 20 points from POLS 100–199 and 20 further points from either INTP or POLS 100–199
b. 20 points from POLS 200–299 and 20 further points from either INTP or POLS 200–299
c. 40 points from POLS 300–399

Note: Students wishing to take a double major in POLS and INTP must complete at least 10 POLS and INTP courses; normally one POLS and one INTP course at 100 level, two POLS and two INTP courses at 200 level and two POLS and two INTP courses at 300 level.

Psychology* (PSYC)
a. PSYC 121, 122, STAT 193
b. PSYC 232; 45 further 200-level PSYC points
c. PSYC 325; 45 further 300-level PSYC points

Public Policy* (PUBL)
a. PUBL 201**; at least 35 further points from PUBL 200–299
b. PUBL 306; 20 further points from PUBL 300–399

**The prerequisite for PUBL 201 is one course from ECON 130, POLS 111, PUBL 113 or at least 35 approved points.

Religious Studies (RELI)
a. 40 points from RELI 200–299
b. 40 points from RELI 300–399
c. 40 further points from RELI 100–399

Samoan Studies/Fa'asāmoa (SAMO)
a. SAMO 101, 102 and 111
b. SAMO 201 and 202
c. SAMO 301 and 302

Second Language Education (SLED)
a. 20 points in a language other than English or an equivalent second language learning experience
b. LING 211 and 223, ALIN 201 and 202
c. ALIN 301 (or approved substitute)
d. One of ALIN 302, LING 321, 323 (or approved substitute)

Social Policy (SPOL)
a. SPOL 113 and one course from (SOSC 112, ECON 130, POLS 111)
b. 40 points from SPOL 200–399
c. 40 points from SPOL 300–399

Sociology (SOSC)
a. SOSC 111 and 112
b. 40 points from SOSC 200–399, SACS 201, 202
c. 40 points from SOSC 300–399

Spanish (SPAN)
a. SPAN 111, 112**
b. SPAN 113
c. SPAN 215, 216 and 20 further points from SPAN 200–299
d. SPAN 315, 316 and 20 further points from SPAN 300–399

**Requirement (a) will be waived for students who have the appropriate NCEA Level 3 requirements (or equivalent).

Te Reo Māori (TREO)
a. MAOR 101 and 102**
b. MAOR 111 and 112
c. MAOR 211 and 221
d. MAOR 311, 321 and 322

**Requirement (a) will be waived for students who have the appropriate NCEA Level 3 requirements (or equivalent).

Theatre (THEA)
a. THEA 101 and 20 further points from ENGL, MDIA, FILM or THEA 100–199
b. THEA 201; 20 points from THEA 202–299; and 20 further points from THEA 200–299, THFI 200–299
c. 20 points from THEA 300–399 and 20 further points from THEA 300–399, THFI 300–399

Degree example—BA majoring in English Literature and Political Science, with a minor in Art History

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
POLS 112 20 pts	POLS 111 20 pts	POLS 200 level 20 pts	POLS/INTP 200 level 20 pts	ARTH 200 level 20 pts	ARTH 300 level 20 pts
ENGL 111 20 pts	ENGL 114 20 pts	ENGL 201 20 pts	ENGL 200 level 20 pts	ENGL 300–329 20 pts	ENGL 300 level 20 pts
ARTH 111 20 pts	ARTH 112 20 pts	ENGL 200 level 20 pts	ARTH 200 level 20 pts	POLS 300 level 20 pts	ENGL 300 level 20 pts
					POLS 300 level 20 pts
120 points		120 points		140 points	

First major | **Second major** | **Minor**

Total points required: 360
Total points completed: 380

Degree example—BA majoring in Sociology and Information Systems

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
SOSC 111 20 pts	SOSC 112 20 pts	SOSC 200 level 20 pts	SOSC 200 level 20 pts	SOSC 300 level 20 pts	SOSC 300 level 20 pts
INFO 101 15 pts	INFO 102 15 pts	INFO 201 15 pts	INFO 232 15 pts	INFO 300 level 15 pts	INFO 395 15 pts
ANTH 101 20 pts	ANTH 102 20 pts	INFO 241 15 pts	SOSC 200 level 20 pts	SOSC 300 level 20 pts	INFO 300 level 15 pts
			ANTH 200 level 20 pts		INTP 113 20 pts
110 points		125 points		125 points	

First major | **Second major** | **Elective**

Total points required: 360
Total points completed: 360

Bachelor of Biomedical Science

www.victoria.ac.nz/bbmedsc

FACULTY OF SCIENCE

Phone 04-463 5101
Email science-faculty@vuw.ac.nz
Website www.victoria.ac.nz/sbs

How does DNA finger-printing work? Why do we age? What causes cancer? How do diseases fight back against vaccines? Biomedical science is a wide-reaching area of scientific research looking at the relationships between humans, health and disease.

The Bachelor of Biomedical Science (BBmedSc) is a three-year undergraduate degree. It provides courses in the fundamentals of modern molecular and cell biology relevant to the clinical practices of current health services. This includes studying human genetics, immunology, biological and medicinal chemistry and physiology and environmental health.

Students will deal with real-life health and medical issues like new diseases, old diseases that resist treatment, the role of molecular biology in health, and drug design and clinical testing. It covers the whole of a human life, from reproduction to ageing, taking in microbiology and pharmacology along the way. This degree can be the first step towards a career in medicine and other health-related careers, or lead to work in health research.

The staff who teach in Victoria's Biomedical Science programme undertake research with organisations including the Wellington School of Medicine, medical and reproductive technology laboratories in the Wellington area and the Malaghan Institute of Medical Research, located on Victoria's Kelburn Campus. This real-world research provides a context for the BBmedSc programme.

Recommended school subjects

It is useful to have studied Chemistry, Biology and Mathematics. A summer bridging courses is available for students without the required background in chemistry (see Preparation over summer, page 17, for details).

Postgraduate opportunities

The degree provides an excellent base for study at medical school or for postgraduate biological science, medical and paramedical training programmes.

www.victoria.ac.nz/postgraduate

Potential careers

BBmedSc graduates have the knowledge base to move into a variety of biomedically related fields, such as genetic counselling or management, and the pharmaceutical industry—although further qualifications or accreditation may be required after completion of your degree. Further study can be undertaken in Victoria's BBmedSc(Hons), Master of Biomedical Science and PhD programmes.

www.victoria.ac.nz/careers

Specialisations

In your first year you study a core programme of human biology, human disease, cell biology, chemistry, psychology and statistics. In years two and three you study courses specific to your area of specialisation.

Human Genetics covers all aspects of the science of human genetics, including the study of the human genome and the treatment of disease and illness of a genetic origin. This specialisation is for those with an interest in areas such as genetic counselling, syndromes and diseases of genetic origin, human fertility and ageing.

Molecular Pathology provides an introduction to the molecular basis of disease. The emphasis is on the metabolic and other changes that occur when humans succumb to illnesses. This specialisation will suit students interested in the relationship between health and disease, in clinical biochemistry, microbiology, immunology and forensics.

Molecular Pharmacology and Medicinal Chemistry focuses on all aspects of chemistry in relation to our bodies, including modern chemical methods for the synthesis of drugs and how they are used to treat disease. This specialisation is appropriate for students interested in both chemistry and biology.

Specialisation	Code
Human Genetics	HGEN
Molecular Pathology	MOLP
Molecular Pharmacology and Medicinal Chemistry	MPM

David Young

Third-year Bachelor of Biomedical Science student specialising in Molecular Pharmacology & Medicinal Chemistry and Molecular Pathology
From Timaru

I'd visited Wellington a few times before coming to Victoria, and had fallen in love with the place. Wellington City has a special kind of buzz about it; it's very rare to find a day where something isn't going on.

I chose to study Biomedical Science mostly because I wanted to play at being a mad scientist! It was originally an interest in forensic pathology that prompted me to take the programme, but as I've progressed I've also become fascinated with the pathology and treatment of human diseases. Helping people through the practical application of science is something that I really wanted to be a part of.

My first year was fantastic! It was admittedly a lot of hard work, but the course content and the fact that I was studying something that I really enjoyed more than made up for the long hours.

Having the Malaghan Institute on campus at Victoria is a huge advantage for the Biomedical programme. Many of my lecturers past and present are involved in disease research within the Institute or in other areas within the University, and their insight into the research and real-world applications of the science that they teach is invaluable. The active research going on at the University adds great depth to the education being offered.

My advice to new students, in the words of Douglas Adams: Don't Panic! University is such an incredibly busy place to be in, with huge demands both academically and socially, that it can be easy to become lost between the two. The important thing in all this is to hang on to your sense of self. Make sure that you are at university for your own reasons, studying the thing that drives you or excites you; something that you'll be happy to base the rest of your life around. Change can—and does—happen along the way, and you may find yourself completing something that you never even thought you'd ever start in the first place!

After completing Honours I hope to continue with further postgraduate study in the Biomedical field, with a bent towards either forensic science or human disease research.

Degree requirements

Total points required: 360

- Maximum of 180 points at 100 level allowed.
- Electives may be chosen from any other first degree to make up 360 points.
- For entry-level requirements for 100-level Science courses, see Subject and course information, pages 116–173.

First-year students need to take the 100-level core courses, (right), plus any additional 100-level courses required for their chosen specialisation. To find out details of what a particular course is about and when it is taught, look in the Subject and course information (from page 116).

Part 1—core courses, regardless of specialisation

At 100 level	At 200 level
BIOL 111 BMSC 114, 117 CHEM 114 PSYC 122 One of STAT 193 or MATH 141	BMSC 241, 243, 244

Part 2—Specialisation in Molecular Pharmacology and Medicinal Chemistry

At 100 level	At 200 level	At 300 level
CHEM 115	CHEM 201, 205	BMSC 335, 354 CHEM 301, 305 15 further points from 300-level BIOL, BMSC, BTEC or CHEM courses

Part 2—Specialisation in Human Genetics

At 100 level	At 200 level	At 300 level
BMSC 116	BMSC 252	BMSC 339, 340, 343 At least 20 further points from 200- or 300-level BIOL, BMSC or BTEC courses An additional 20 points from 300-level BMSC courses

Part 2—Specialisation in Molecular Pathology

At 100 level	At 200 level	At 300 level
BMSC 116	BMSC 252	BMSC 301, 323, 334, 335, 340

Degree example—BBmedSc specialising in Human Genetics

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
BMSC 114 15 pts	BIOL 111 15 pts	BMSC 244 20 pts	BMSC 241 20 pts	BMSC 340 20 pts	BMSC 339 20 pts
CHEM 114 15 pts	BMSC 117 15 pts	BMSC 252 20 pts	BMSC 243 20 pts	BMSC 343 20 pts	BMSC 300 level 20 pts
BMSC 116 15 pts	PSYC 122 15 pts	STAT 200 level 15 pts	BTEC 200 level 20 pts	BTEC 300 level 20 pts	BIOL 300 level 20 pts
BTEC 101 15 pts	STAT 193 15 pts		CHEM 100 level 15 pts		
120 points		130 points		120 points	

Core course | **Specialisation** | **Elective**

Total points required: 360
Total points completed: 370

Bachelor of Building Science

www.victoria.ac.nz/bbsc

FACULTY OF ARCHITECTURE AND DESIGN

Student Administration Adviser
Phone 04-463 6200
Email architecture@vuw.ac.nz
Website www.victoria.ac.nz/architecture

Buildings are a big part of our lives. Their quality is vital to our economy, our lifestyle and our environment. Building scientists contribute to the development of a more enjoyable, safer, stronger, healthier, more comfortable, more durable and more sustainable built environment. They understand the human, environmental and construction issues in buildings.

Building Science has been taught at the School of Architecture since 1975 and Victoria University is an international leader in the field. Our programme has evolved into the country's leading programme devoted to the science of building construction and practice.

At Victoria, the Bachelor of Building Science (BBSc) is a three-year undergraduate degree where you can specialise in Project Management or Sustainable Engineering Systems or both. These specialisations have been developed in response to the evolving needs of the building industry. You will study building construction and sustainability in relation to the built environment to promote the construction of durable, healthy and economical buildings in the context of an awareness of architectural design issues.

Graduates will have expertise in the science, technology and economics of building, and an understanding of architecture. Their combination of theoretical knowledge and practical experience will meet an urgent need for building science professionals.

In your first year, you study core courses alongside students in the first year of the Bachelor of Architectural Studies (BAS). This maximises your exposure to all aspects of built environments and is designed to increase your awareness of the different disciplines contributing to it. In the following two years you will study core Building Science topics, including construction, structures, environmental science, systems and management.

At the end of the three years' study you will have knowledge and skills to either begin a satisfying career in some aspect of the building industry or to continue your study at postgraduate level. The BBSc leads into the two-year Master of Building Science (MBSc) qualification for students who are wishing to become professionally recognised building scientists, sustainable engineers and project managers.

Recommended school subjects

These include Mathematics (preferably Calculus), Physics, English, Technology, Statistics, Design or Graphics.

If you do not have a minimum of 14 NCEA Level 3 credits in each of two of the following subjects—Mathematics with Calculus, Statistics and Modelling, or Physics—you will need to include SARC 122 Introduction to Applied Physics, Numerical Methods and Statistics for Designers in your first-year programme.

Postgraduate opportunities

A BBSc leads to postgraduate study in the two-year Master of Building Science programme. Master's students can extend their undergraduate specialisation in Project Management or Sustainable Engineering Systems, or in the second year undertake a thesis topic in lighting, energy analysis or another area that can be supervised by the School of Architecture.

www.victoria.ac.nz/postgraduate

Potential careers

Building Science graduates have a combination of theoretical knowledge and practical experience that meets an urgent need for building science professionals. They find careers in diverse areas including project management, sustainable engineering, building research and development, lighting, heating and acoustics. The BBSc together with an MBSc fulfils the academic requirements for professional membership of the New Zealand Institute of Building (NZIOB).

www.victoria.ac.nz/careers

Inside First Light House. Image credit: Ron Blunt

Keshi Meyer

Third-year Bachelor of Building Science student specialising in Sustainable Systems Engineering and Project Management
From Waikato

After visiting Wellington a few years ago, I fell completely in love with the vibe and unique culture. It seemed like a dream to live and study in such a great city! Learning that Building Science was available only at Victoria made it an even better choice.

I was first drawn to studying Architecture, as my family is involved with construction. However, after completing first year, I realised that Building Science was what I was really interested in. During one of my assignments I talked to one of the tutors about the different disciplines and Building Science seemed the most interesting and down to earth, which was what I was looking for.

Building Science is a unique programme, with Victoria being the only university to offer it. Other universities offer either project management or environmental engineering separately, but not together. Being in Wellington makes it that much more special, with its diverse range of people and perspectives.

My advice to new students would be that before coming to university, if you're unsure what you want to do take a gap year and see the world! It doesn't hurt to live a little more and understand the world a little bit more. Don't be scared to live a little. Definitely give anything a go, even if you don't think it's for you. Once you're here, get to know others in your courses, because you're all in it together and it's great to bounce ideas off of one another. Make time for your family and keep your old friends close.

My plans for the future are a bit up in the air at the moment, but hopefully I'll be moving to Melbourne for potential jobs and living with friends. I would also love to travel again. I reckon that I am pretty lucky in saying that I can take and use my degree practically anywhere.

Specialisations

Project Management involves the study of the logistics surrounding the built economic environment, processes involved in building construction, financial and project management methods and construction laws.

Sustainable Engineering Systems is the study and performance simulation of environmental engineering systems and sustainability at both the building and urban level. Students develop appropriate design systems to address the quality of built environments from heating and lighting to air quality and acoustics, while incorporating the efficient use of sustainable materials and building resources.

Specialisation	Code
Building Project Management	BILD
Building Sustainable Engineering Systems	SSEG

Degree requirements

Total points required: 360

Every personal programme of study shall include:

- 270 points from the BBSc or BAS schedules
- 210 points from courses numbered 200–399, including 180 points from the BBSc or BAS schedules
- 90 points from courses numbered 300–399 from the BBSc or BAS schedules.

First year (both specialisations)

Trimester One (1/3)	Trimester Two (2/3)
SARC 111	SARC 121
SARC 131	SARC 122*
SARC 151	SARC 162
SARC 161	Elective (15 points)

*SARC 122 may be replaced with an elective course of your choice if you have gained a minimum of 14 NCEA Level 3 credits in each of two of: Calculus, Physics, Statistics and Modelling.

Specialisation in Sustainable Engineering Systems

Second year	Third year
BILD 251	BILD 322
SARC 221	BILD 364
SARC 222	SARC 321
SARC 223	SARC 362
BILD 231	BILD 321
BILD 232	BILD 331
Two electives*	Two electives*

*Students wanting both specialisations may replace the second- and third-year electives with BILD 261, 262, 361 and 362.

Specialisation in Project Management

Second year	Third year
BILD 251	BILD 322
SARC 221	BILD 364
SARC 222	SARC 321
SARC 223	SARC 362
BILD 261	BILD 36
BILD 262	BILD 362
Two electives#	Two electives#

#Students wanting both specialisations may replace the second- and third-year electives with BILD 231, 232, 321 and 331.

Degree example—BBSc specialising in Project Management

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
SARC 111 15 pts	SARC 121 15 pts	SARC 221 15 pts	BILD 251 15 pts	BILD 364 15 pts	BILD 322 15 pts
SARC 131 15 pts	SARC 122 15 pts	SARC 222 15 pts	SARC 223 15 pts	SARC 362 15 pts	SARC 321 15 pts
SARC 151 15 pts	SARC 162 15 pts	BILD 261 15 pts	BILD 262 15 pts	BILD 361 15 pts	BILD 362 15 pts
SARC 161 15 pts	GEOG 114 15 pts	GEOG 111 15 pts	MGMT 101 15 pts	MGMT 206 15 pts	GEOG 214 15 pts
120 points		120 points		120 points	

Core course | **Specialisation** | **Elective**

Total points required: 360
Total points completed: 360

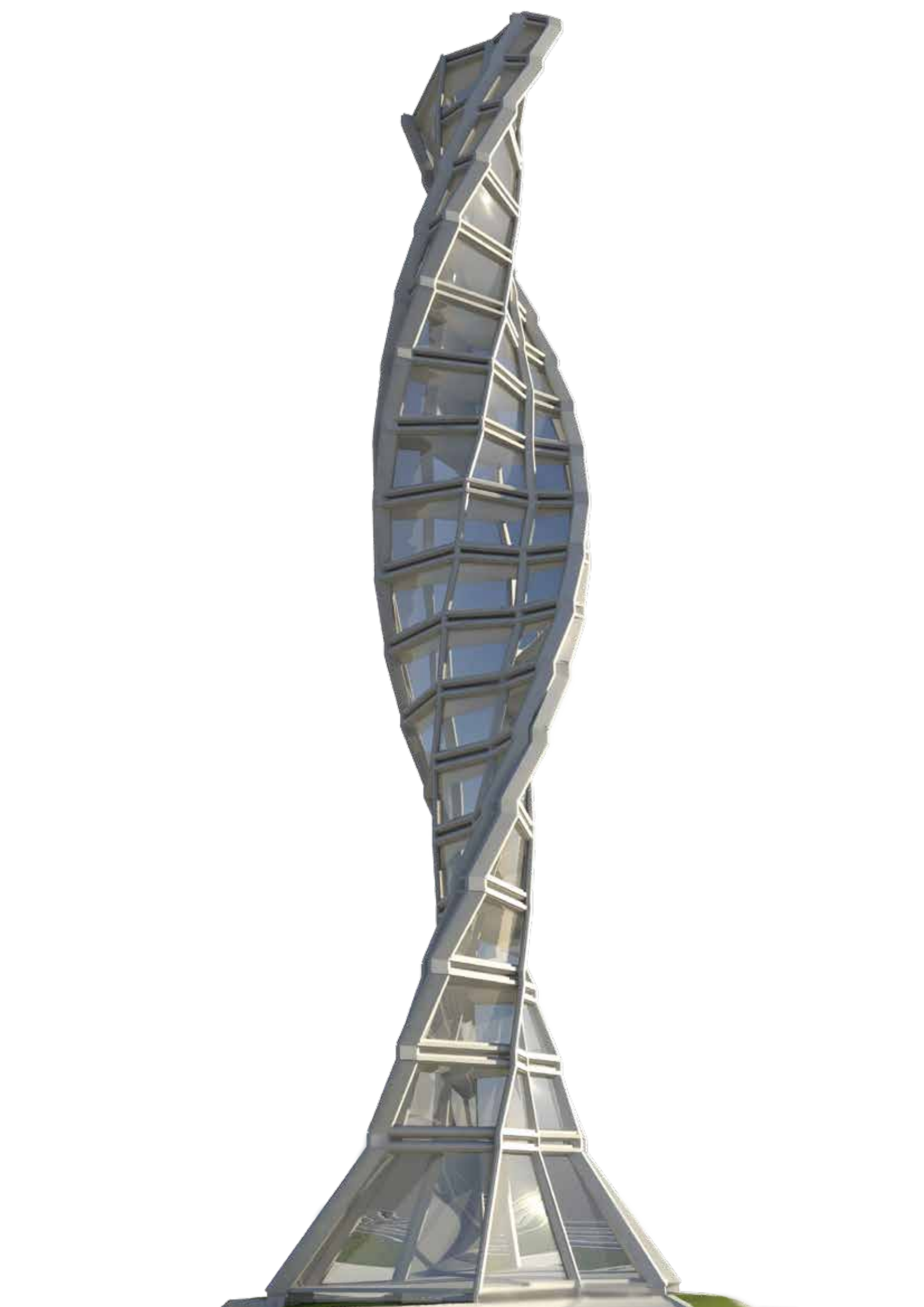
Degree example—BBSc specialising in Sustainable Engineering Systems

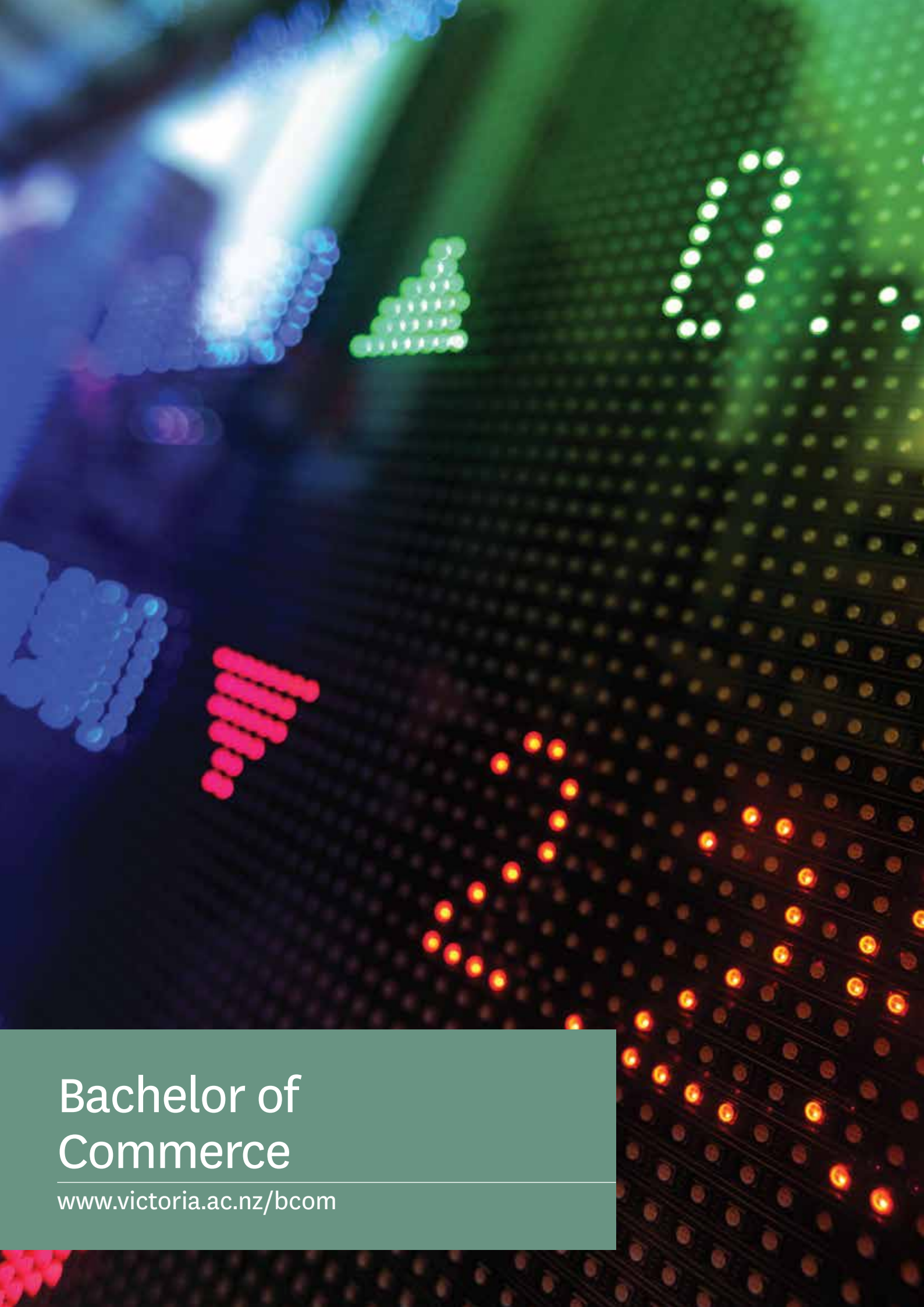
Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
SARC 111 15 pts	SARC 121 15 pts	SARC 221 15 pts	BILD 251 15 pts	BILD 364 15 pts	BILD 322 15 pts
SARC 131 15 pts	SARC 122 15 pts	SARC 222 15 pts	SARC 223 15 pts	SARC 362 15 pts	SARC 321 15 pts
SARC 151 15 pts	SARC 162 15 pts	BILD 231 15 pts	BILD 232 15 pts	BILD 331 15 pts	BILD 321 15 pts
SARC 161 15 pts	PHYS 131 15 pts	MATH 151 15 pts	PHYS 115 15 pts	ECEN 202 15 pts	ECEN 201 15 pts
120 points		120 points		120 points	

Core course | **Specialisation** | **Elective**

Total points required: 360
Total points completed: 360

Project by PhD student Anastasia Globa.





Bachelor of Commerce

www.victoria.ac.nz/bcom

VICTORIA BUSINESS SCHOOL
Dr Colin Jeffcoat, Associate Dean (Students)
Phone 04-463 5289
Email colin.jeffcoat@vuw.ac.nz
Website www.victoria.ac.nz/vbs

Commerce is one of the world's moving forces, shaping societies and connecting people around the globe. Wherever people are at work, in public organisations or private business, they depend on business, financial and managerial expertise to keep their world in motion.

In December 2011, Victoria Business School (also known as the Faculty of Commerce) became one of just 58 business schools worldwide to hold the 'Triple Crown' of international accreditations of EQUIS (**www.efmd.org**), AACSB (Business) (**www.aacsb.edu**), and AMBA (**www.mbaworld.com**). This means our programmes are certified by three international organisations as delivering business-related qualifications meeting their standards in terms of content, assurance of learning for students and a global perspective. We take students' needs very seriously and aim for continuous improvement; as a result, our qualifications are recognised internationally.

As well as being part of this elite group of 58 out of more than 13,000 business schools worldwide, Victoria Business School is the only Triple Crown holder to also hold AACSB accreditation in Accounting.

The Bachelor of Commerce (BCom) is a three-year undergraduate degree. The degree benefits from its teaching location in the nation's administrative hub. Victoria Business School is housed at the Pipitea Campus in the central business district, across the road from Parliament. First-year courses are taught at Kelburn, but you will be based at Pipitea for subsequent years.

In addition to its own teaching staff, the University uses the expertise of professionals working at the highest levels of business and government. Wellington's private and public sector organisations provide a wealth of research opportunities.

Recommended school subjects

These include Accounting, Economics, Statistics and Modelling, Mathematics with Calculus, Physics, and essay-based subjects, such as English and History.

Postgraduate opportunities

Victoria has a wide range of postgraduate options, including Honours, Master's and PhD programmes, for BCom students wishing to continue their studies.

www.victoria.ac.nz/postgraduate

Potential careers

A BCom degree leads to a diverse range of public and private sector careers, including accounting, banking, e-commerce, finance, marketing, human resource management, information systems, international business and economics.

www.victoria.ac.nz/careers

Degree requirements

Total points required: 360

- Minimum of 180 points at 200 level or above.
- Minimum of 75 points at 300 level.
- Minimum of 210 points from the BCom schedule.
- The BCom core must be included.

The BCom core

ACCY 111	Accounting OR ACCY 130 Accounting for Decision Making*
ECON 130	Economic Principles and Issues**
FCOM 111	Government, Law and Business***
INFO 101	Foundations of Information Systems
MARK 101	Principles of Marketing
MGMT 101	Introduction to Management
QUAN 102	Statistics for Business

*Students who are considering advancing in Accounting or Taxation should take ACCY 111. Other students can take ACCY 130 (a more applied course) instead.

**Students who attain the following NCEA Level 3 Economics standards with Excellence will be permitted direct entry to ECON 140: AS 90629, 90630, 90631, 90632. The ECON 130 requirement for the degree will be waived if ECON 140 is passed.

***FCOM 111 should be included in the first year of study.

Note: Students doing the ACCY, HRIR, IBUS, MGMT, MARK or TAXN majors for the BA or BSc degree must include the entire BCom core. However, the entire BCom is not required for a minor in these subjects.

In your first year you would normally take around 120 points (typically, four 15-point courses in each of the first and second trimesters), usually comprising the seven core courses plus one elective course.

It is not necessary to take all core courses in your first year though you are required to include FCOM 111. You may need to replace some of the others with 100-level prerequisites needed to advance in certain subjects (eg. second BCom majors or majors for other degrees). It may also be possible to do some core courses during Trimester Three.

Sebastian Nicholson

Third-year Bachelor of Commerce student majoring in Accounting and Finance
From Wairarapa

I decided to study Accounting and Finance because I wanted a degree that could take me around the world, wherever I wanted to go. Accounting is the language of business and is used in every industry so you get a diverse view of the world and what different companies get to do.

My first year went really well, I discovered subjects that I found really interesting that I had never thought of taking. I ended up changing my second major from Commercial Law to Finance. This was to hopefully make my degree stand out a bit more from others, and because I found I enjoyed the more technical side of Finance. There was heaps of support available through the tutors, lecturers and Student Learning Support Service. Everything was exciting, after coming from a small town to uni with heaps of new people.

My advice to new students is to get involved at Victoria, to go and check out the different events that are on. Try something new you haven't thought of doing before. Talk to as many people as you can because you will meet some awesome people from all around New Zealand and the world. In later years you have the chance to tutor courses you have taken yourself, which is a great way to expand your personal skills.

Since the first trimester in my second year I have mentored a range of first-year courses for Te Putahi Atawhai. The mentoring is really enjoyable and it feels really good to be able to give something back to other students by helping them with their studies.

My studies have given me a better understanding of the world. All of the courses look at issues from a wide perspective, including how things are done in different countries. We discuss real issues affecting New Zealand and the world at the moment. I have been able to research and develop my own answers on diverse issues, not just read them from a book.

Majors

Subject	Major code
Accounting	ACCY
Commercial Law	COML
e-Commerce	ELCM
Economics	ECON
Finance	FINA
Human Resource Management and Industrial Relations	HRIR
Information Systems	INFO
International Business	IBUS
Management	MGMT
Māori Business*	MBUS
Marketing	MARK
Public Policy	PUBL
Taxation	TAXN

*May not be available as a major in 2014.

Another BCom subject (not a major)

⊞ Econometrics

Major and minor requirements

All BCom students must satisfy the requirements of at least one major subject as listed below and may also add a BA or BSc major or minor. No 300-level course may be counted toward more than one major subject. Consult the relevant Head of School for details on possible substitutes.

BCom students may obtain a minor in up to two undergraduate subject areas not taken as major subjects by including in their course of study at least 60 points from the corresponding major requirements at 200 level or above, with at least 15 points at 300 level.

No 300-level course may be counted towards two minors or towards a major and a minor.

Accounting (ACCY)
First-year students should include ACCY 001, ACCY 111 and ECON 130
a. FINA 101 (or 201)
b. ACCY 223, 225, 231, COML 203, 204, TAXN 201
c. ACCY 302, 308, 330

Commercial Law (COML)
a. COML 203, 204, one course from (COML 205, 206, TAXN 201)
b. COML 310; two further courses from COML 300–399*

*One of these may be replaced by an approved course from TAXN 300–399.

e-Commerce (ELCM)
First-year students should include INFO 101 and INFO 102
a. INFO 101, 102, 241; ELCM 211, 251
b. ELCM 395; two further courses from (ELCM 301–391, INFO 321, COML 307, MARK 312)

Economics (ECON)
First-year students should include ECON 130, ECON 140, QUAN 102 and QUAN 111
a. ECON 130, 140, QUAN 102 (or MATH 177 or STAT 131/193), QUAN 111 (or MATH 141/142, 151)
b. ECON 201, 202; one of (ECON 211, 212, FINA 201, MATH 277, QUAN 201, 203, STAT 231, 233)
c. Three courses from (ECON 301–399, FINA 304, 306, PUBL 303)

Finance (FINA)
First-year students should include ECON 130, ECON 140, QUAN 102 and QUAN 111
a. ECON 130, 140, QUAN 102 (or MATH 177 or STAT 131/193), QUAN 111 (or MATH 141/142, 151)
b. FINA 201, 202; one of (ACCY 231, ECON 201, 202, FINA 203, MATH 277, QUAN 201, 203, STAT 231, 233)
c. Three courses from (ACCY 306, FINA 300–399)

Human Resource Management and Industrial Relations (HRIR)
First-year students should include MGMT 101
a. HRIR 201, MGMT 202
b. HRIR 320; three further courses from HRIR 300-399
c. One further course from COML 302, ECON 333, HRIR 300–399, MGMT 300–399

Information Systems (INFO)
First-year students should include INFO 101 and INFO 102
a INFO 102, 201, 232, 241
b. INFO 395; two further courses from INFO 301–391

International Business (IBUS)
First-year students should consider taking a language or culture course (recommended but not essential in the first year)
a. IBUS 201, 205, 212, 305, 312, MARK 302
b. 20 100-level ASIA, CHIN, EURO, FREN, GERM, ITAL, JAPA, PASI or SPAN points or ASIA 201, 202 or 203, or an approved substitute

Management (MGMT)
First-year students should include MGMT 101
a. MGMT 202, 205, 206
b. MGMT 320; three further courses from MGMT 300–399

Māori Business (MBUS)*
First-year students should include MGMT 101
a. MBUS 201, 202, 203; one course from MGMT 200–299
b. MBUS 301, 302; one approved course from MGMT 300–399

*MBUS major may not be available in 2014 but will be available as a minor.

Marketing (MARK)
First-year students should include MARK 101, QUAN 102
a. MARK 201, 202, 203
b. MARK 301, 303
c. Two further courses from (MARK 300–399, COML 308)

Public Policy (PUBL)
First-year students should include PUBL 113 (recommended) or POLS 111
a. PUBL 201; two further courses from PUBL 200–399
b. PUBL 306; one further course from PUBL 300–399

Taxation (TAXN)
First-year students should include ACCY 111
a. ACCY 231, COML 203, 204, TAXN 201
b. TAXN 301; two further courses from TAXN 300–399

Degree example—BCom majoring in Accounting and Taxation

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
FCOM 111 15 pts	ACCY 111+001 15 pts	ACCY 223 15 pts	ACCY 225 15 pts	ACCY 302 15 pts	ACCY 308 15 pts
ECON 130 15 pts	ECON 140 15 pts	ACCY 231 15 pts	COML 204 15 pts	TAXN 301 15 pts	ACCY 330 15 pts
MARK 101 15 pts	MGMT 101 15 pts	FINA 201 15 pts	TAXN 201 15 pts	TAXN 303 15 pts	TAXN 304 15 pts
QUAN 102 15 pts	QUAN 111 15 pts	COML 203 15 pts	INFO 101 15 pts	Elective 15 pts	Elective 15 pts
120 points		120 points		120 points	

Core course	First major	Second major	Recommended elective	Optional elective

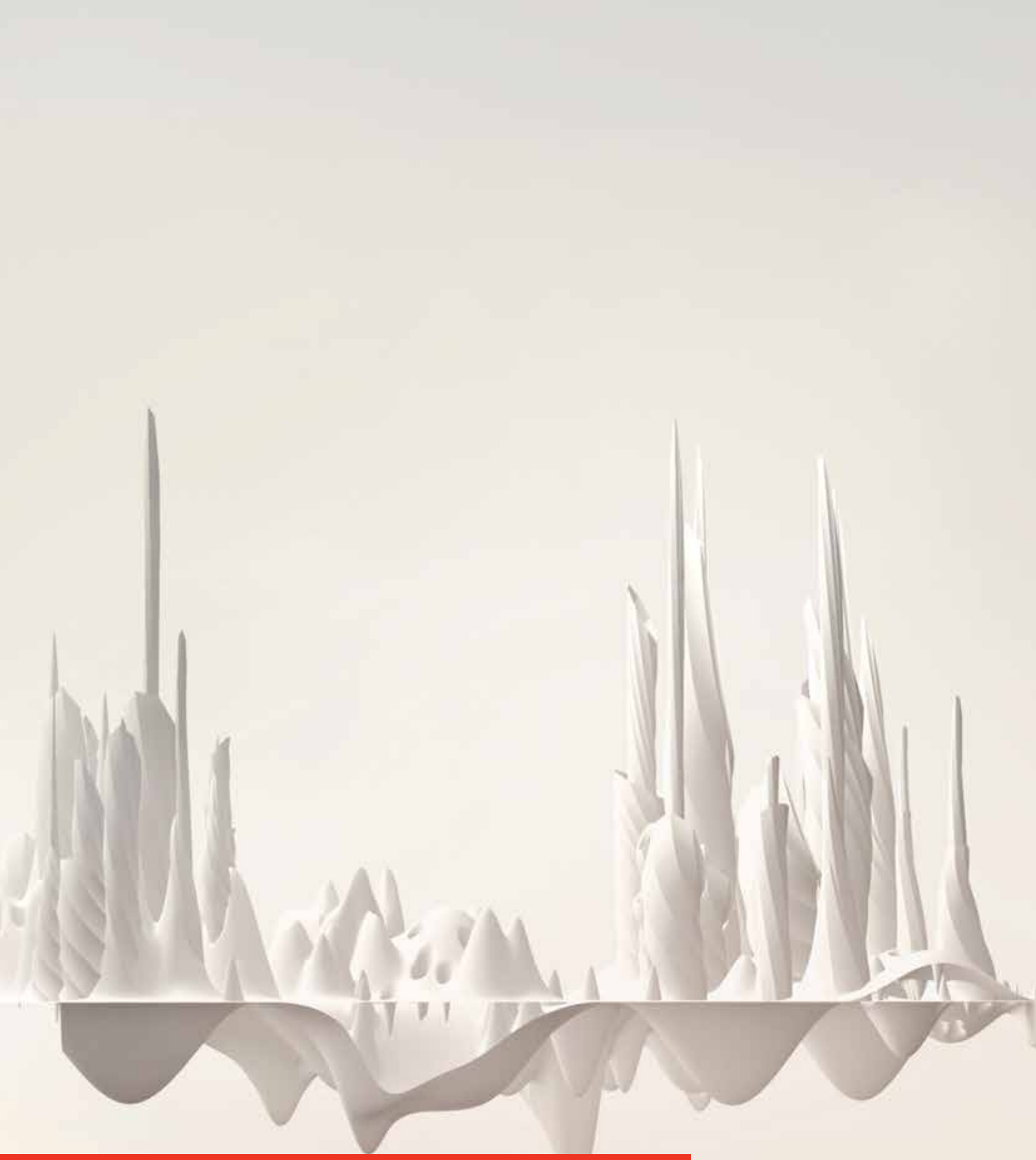
Total points required: 360
Total points completed: 360

Degree example—BCom majoring in Human Resource Management and Industrial Relations, with minors in Marketing and Psychology

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
FCOM 111 15 pts	ACCY 130 15 pts	HRIR 201 15 pts	INFO101 15 pts	HRIR 302 15 pts	HRIR 304 15 pts
ECON 130 15 pts	MGMT 101 15 pts	MGMT 202 15 pts	Elective 15 pts	HRIR 303 15 pts	HRIR 320 15 pts
MARK 101 15 pts	QUAN 102 15 pts	MARK 201 15 pts	MARK 202 15 pts	PSYC 334 15 pts	PSYC 338 15 pts
PSYC 121 15 pts	Elective 15 pts	PSYC 232 15 pts	MARK 203 15 pts	MARK 301 15 pts	MGMT 318 15 pts
120 points		120 points		120 points	

Core course	First major	First minor	Second minor	Optional elective

Total points required: 360
Total points completed: 360



Bachelor of Design Innovation

www.victoria.ac.nz/bdi

FACULTY OF ARCHITECTURE AND DESIGN

Student Administration Adviser

Phone 04-463 6200

Email design@vuw.ac.nz

Website www.victoria.ac.nz/design

Design innovation is vital to the design process and has the potential to enhance both cultural and economic wellbeing. While technology may inspire design as a discipline, it is the role of design to shape technology for the greater benefit of humankind. Bringing together social, behavioural and cultural insights with technology creates an environment where truly innovative, unexpected and meaningful designs emerge.

Victoria's three-year Bachelor of Design Innovation (BDI) degree allows you to configure your course of study to suit your individual interests, as well as to better prepare you for your desired career. You can specialise in one of three areas—Culture+Context, Industrial Design or Media Design—or combine your studies in design with a minor in another complementary discipline such as Cultural Anthropology, Marketing, Māori Studies, Pacific Studies, Computer Science, Film, Media Studies or Psychology amongst others.

A distinguishing feature of Victoria's School of Design is its cross-disciplinary programme that allows strong relationships to develop across the Culture+Context, Industrial Design and Media Design specialisations. It is an intense, integrated programme of study that challenges traditional definitions of design through the creative investigation of the core skills, principles and vocabularies of three- and four-dimensional design.

A structured learning environment, the first year of the BDI supports the exploration of a breadth of design tools and technologies and develops the discipline necessary for working in a creative practice. Employing 'designing through making' as learning processes, the first year provides students with design confidence through a series of experimental challenges.

All students are encouraged to develop a strong, individual approach to design while also identifying a commitment to a particular design discipline.

No portfolio is required to get in to first year, but selection into second year is based on academic performance in the first year.

The BDI leads into a two-year Master of Design Innovation (MDI). The BDI will inspire and open students' minds to an exciting new world of career possibilities in design, while the MDI offers students the opportunity to focus their studies and develop their skills to internationally competitive levels of professional practice.

Computer Graphics

In 2012, the School of Design introduced Computer Graphics as a new subject within the Master of Design Innovation (MDI). Uniting design and computation, this programme blends computer programming and scripting processes with studio approaches to deliver cutting-edge computer graphics compositions. A hallmark of the programme is its cross-disciplinary nature, as the structure features shared courses with the School of Engineering and Computer Science.

Students who are interested in this programme will need to do a BDI in Media Design with a focus in Computer Graphics, and will be able to choose career paths such as computer graphic developer, information visualiser, special effects artist and 3D modeller/animator. See degree example on page 74.

See also page 103 for alternative pathway through the BSc.

Recommended school subjects

These include English, Graphics, Design, Computing, Art, Media Studies and Technology. Students who have not achieved 14 credits in an English-rich subject at NCEA Level 3 (English, History, Art History, Classics, Geography or Economics) must complete a writing skills course (WRIT 101 or 151) in their first year of the BDI.

Postgraduate opportunities

The BDI leads to the two-year MDI for students who wish to train as professional designers.

www.victoria.ac.nz/postgraduate

Career opportunities

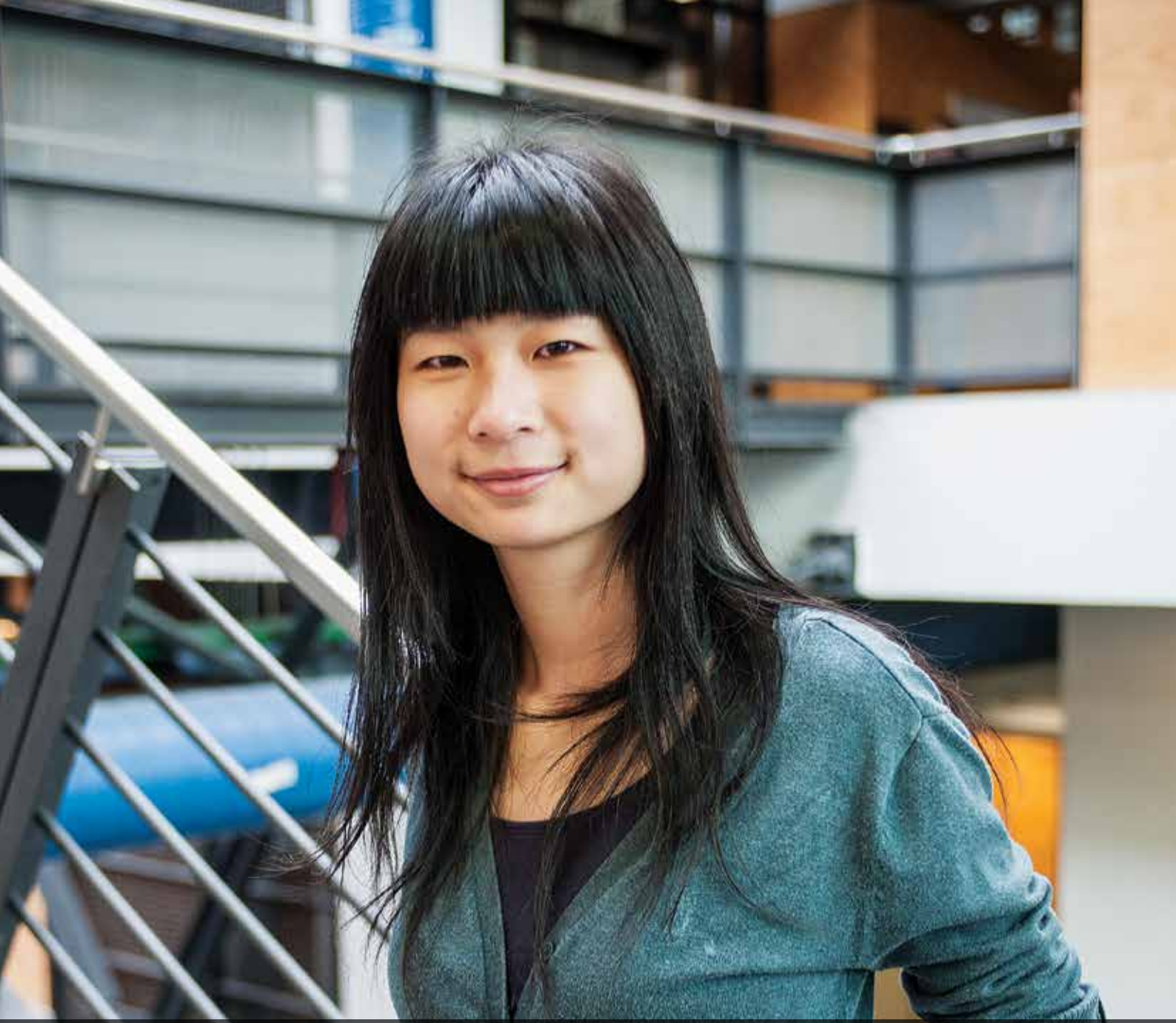
Culture+Context offers a wide variety of career opportunities in the rapidly expanding field of the creative industries—students may look forward to careers in such areas as design and material culture advisers, design consultants, design writers, design critics, design strategists, design researchers, design managers, design curators, design advocates, design facilitators and design teachers.

Industrial Design has a well-established range of career opportunities. The programme at Victoria encourages a global perspective and provides an internationally competitive qualification. Whether operating out of New Zealand or practising internationally, Industrial Design students can look forward to such positions as in-house industrial designers, design consultants, 3D digital designers, product interface designers, product usability designers, physical interaction designers, exhibition designers, furniture designers or design and technology teachers.

Media Design prepares students for roles in interactive media, one of the fastest growing sectors of the new mobile world economy. Students graduating from the Media Design specialisation can look forward to careers in entertainment and interactive TV, motion graphics, web-based design, research, education and training, game development, communication and marketing management, content development in the public sector, information architecture, performance arts and exhibition design.

www.victoria.ac.nz/careers

Cecilia, The Continuous City, an algorithmic city by Shanshan Zhou, who is profiled on page 72.



Shanshan Zhou

Final-year Bachelor of Design Innovation student specialising in Media Design
From China

I always wanted to pursue a career in the creative and new media industry. Observing the rise of mobile technology with the release of the iPhone in 2005, I found digital media mysterious and fascinating.

I believed in its potential to change human communication and our everyday experiences, so I decided to study interaction design, in order to understand it better and be prepared to get in the industry.

My first year was difficult, because it was my first time living in an English-speaking country and my first time studying in a Western education system. Design study itself was different from my expectations for academic study. I initially tried to approach interaction design by specialising in Industrial Design. But at the end of my first year, I realised it wasn't the physical design of iPhone that mattered, but the software and user experience that makes it interactive. I decided the Media Design specialisation under the Bachelor of Design Innovation suited my interests better.

As soon I started doing Media Design, I realised that this is the exact career I want to pursue. Media Design allowed me to be bolder, freer and more expressive with my design, it truly awoke my creativity.

Studying Media Design not only equips us with professional skills and a better understanding of cutting-edge topics in new media, it also teaches us to think forward, stay curious and be open to new ideas. These traits not only make good designers, but also make more open-minded and adaptable people.

This study experience at Victoria has completely changed my understanding of the world. Wellington is an amazingly hospitable and multicultural city—living here made me adopt a more open and friendly attitude towards people and become aware that there are so many things to learn and to experience out there in the world. I am now more confident about what I can do, and I have a clearer vision of what I value in life.

Specialisations

Culture+Context supports an interdisciplinary environment for the exploration of design and its contribution to contemporary culture. Investigating the history, theory and practice of design, this emerging field of study addresses the increasing significance of design across creative, cultural, social, economic and political boundaries. To reinforce a multidisciplinary practice, students studying Culture+Context must also complete a minor in a non-design discipline to complement their specialisation.

Industrial Design focuses on the design of products and product systems within a highly conceptual framework with the aim of producing extraordinary and innovative design solutions. Students gain both the knowledge and skills necessary to successfully address a breadth of design challenges from the industrial to the domestic, the physical to the digital and the practical to the poetic. In the Industrial Design specialisation, students learn to connect human culture with technologies in innovative and unexpected ways.

Media Design examines the major conduits where people interface with digital technology, from web/internet experiences, visual and audio communication, augmented reality, gaming and interaction design to embedded/portable computing. Students in this specialisation will examine how such technologies present challenges today for communication, work, play and daily life. In Media Design, students address these real-world problems in the studio and investigate how digital technologies may be employed to make life more efficient, sustainable and safer as well as more richly experienced.

Specialisation	Code
Culture+Context	CCDN
Industrial Design	INDN
Media Design	MDDN

Degree requirements

Total points required: 360

- At least 240 points from courses listed on the BDI schedule.
- At least 200 points from courses numbered 200–399, including at least 120 points from the BDI schedule.
- At least 80 points from courses numbered 300–399, with at least 60 points from the BDI schedule.

To find out details of what a particular course is about and when it is taught, look in the Subject and course information (from page 116).

Culture+Context

First-year Culture+Context consists of a total of eight 100-level courses outlined below. Students must include at least one additional 100-level DSDN course of their choosing within their first-year programme of study and must also include any 100-level courses required for their intended non-design minor. Minors require course planning from first year to ensure prerequisites are met for 200–300-level courses, and consist of 60 points from 200–300 level including at least 15 points at 300 level. A list of recommended minors, with their required first-year courses, can be found at **www.victoria.ac.nz/bdi**

First year	Second year	Third year
DSDN 101		CCDN 331
DSDN 111	CCDN 271	CCDN 332
DSDN 171	Two further 200-level CCDN courses	CCDN 371
WRIT 101 or WRIT 151*	60 points from elective courses or courses for a minor	60 points from elective courses or courses for a minor including at least 20 points at 300 level
One further 100-level DSDN course from the BDI schedule (DSDN 144 recommended)		
45 points including any prerequisites for 200-level courses in a minor subject		

*Students with 14 NCEA Level 3 credits in one of English, History, Art History, Classics, Geography or Economics may substitute the WRIT requirement with another 100-level course offered by Victoria University.

Industrial Design

First-year Industrial Design consists of a total of eight 100-level courses outlined below. Students can include a minor within their programme of study. Minors require course planning from first year to ensure prerequisites are met for 200–300-level courses, and consist of 60 points from 200–300 level, including at least 15 points at 300 level. A list of recommended minors, with their required first-year courses, can be found at **www.victoria.ac.nz/bdi**

First year	Second year	Third year
DSDN 101	CCDN 271	CCDN 331
DSDN 104	INDN 211	INDN 311
DSDN 111	INDN 212	INDN 312
DSDN 141	60 points from elective courses or courses for a minor	INDN 341
DSDN 171		40 points from elective courses or courses for a minor
WRIT 101 or WRIT 151*		
30 points from 100-level elective courses including any prerequisites for a minor		

*Students with 14 NCEA Level 3 credits in one of English, History, Art History, Classics, Geography or Economics may substitute the WRIT requirement with another 100-level course offered by Victoria University.

Media Design

First-year Media Design consists of a total of eight 100-level courses outlined right. Students can include a minor within their programme of study. Minors require course planning from first year to ensure prerequisites are met for 200–300-level courses, and consist of 60 points from 200–300 level, including at least 15 points at 300 level. A list of recommended minors, with their required first-year courses, can be found at **www.victoria.ac.nz/bdi**

First year	Second year	Third year
DSDN 101		CCDN 331
DSDN 111	CCDN 271	Three courses from MDDN 300–399 (60points)
DSDN 112	Three courses from MDDN 200–299 (60 points)	40 points from elective courses or courses for a minor
DSDN 142	40 points from elective courses or courses for a minor	
DSDN 171		
WRIT 101 or WRIT 151*		
30 points from 100-level elective courses including any prerequisites for a minor		

*Students with 14 NCEA Level 3 credits in one of English, History, Art History, Classics, Geography or Economics may substitute the WRIT requirement with another 100-level course offered by Victoria University.

Degree example—BDI specialising in Culture+Context, with minors in Media Design and Media Studies

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
DSDN 101 15 pts	DSDN 171 15 pts	CCDN 271 20 pts	CCDN 231 20 pts	CCDN 371 20 pts	CCDN 331 20 pts
DSDN 111 15 pts	DSDN 141 15 pts	MDIA 201 20 pts	MDDN 211 20 pts	MDDN 241 20 pts	CCDN 332 20 pts
WRIT 101 20 pts	MDIA 102 20 pts	DSDN 144 15 pts	MDIA 206 20 pts	MDIA 301 20 pts	MDDN 311 20 pts
DSDN 142 15 pts	ENGL 114 20 pts				
135 points		115 points		120 points	

Specialisation | **First minor** | **Second minor** | **Elective**

Total points required: 360
Total points completed: 370

Degree example—BDI specialising in Media Design, with a minor in Computer Science, leading to an MDI in Computer Graphics

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
DSDN 101 15 pts	DSDN 112 15pts	CCDN 271 20 pts	COMP 261 15 pts	MDDN 343 20 pts	CCDN 331 20 pts
DSDN 111 15 pts	DSDN 171 15pts	MDDN 242 20 pts	MDDN 211 20 pts	MDDN 314 20 pts	MDDN 311 20 pts
DSDN 142 15 pts	MATH 161 15 pts	MATH 151 15pts	DSDN 144 15 pts	MDDN 351 20 pts	COMP 308 15pts
COMP 102 15 pts	COMP 103 15 pts	MDDN 241 20pts		SWEN 221 15 pts	SWEN 222 15 pts
120 points		125 points		125 points	

Specialisation | **Focus** | **Elective**

Total points required: 360
Total points completed: 370

Pinokio, project by Shanshan Zhou, Adam Ben-Dror and Joss Doggett.

Early Childhood Teacher Education

(Bachelor of Education (Teaching) Early Childhood)

www.victoria.ac.nz/education/study/degrees/bed-tchg-ec

FACULTY OF EDUCATION

Student Administration Office
Phone 04-463 9500
Email education@vuw.ac.nz
Website www.victoria.ac.nz/education

Early childhood teachers are among the most influential members of the community. The teaching and care that they offer lay the foundation for success in education, and in life.

Teachers have the opportunity to deeply affect the children in their care. The programmes offered by the Faculty of Education give graduates the skills to take on this responsibility with confidence, and to enjoy the excitement, creativity and fun of working with young children.

The Bachelor of Education (Teaching) Early Childhood (BEd(Tchg)EC) is a three-year degree for students who wish to gain a degree-level qualification in early childhood teaching. It is designed to prepare you for an exciting and stimulating career as an early childhood teacher, and successful completion will enable you to be eligible for provisional teacher registration with the New Zealand Teachers Council.

This degree aims to develop professional teachers who are sensitive to human needs, flexible, adaptable and resourceful people who can become leaders, able to work not only with young children but also with a wide variety of adults in the community. It is divided into the following components:

- Curriculum Studies
- Cultural Studies
- Education Studies
- Professional Teaching Studies and Teaching Experience.

This campus-based programme is taught in lectures, tutorials and studio time at the Karori Campus.

Having successfully completed the BEd(Tchg)EC you will:

- be responsible for managing and monitoring children's learning and development
- know the curriculum you teach and how to develop skills and knowledge in this area
- think effectively about your practice and learn from experience
- have knowledge of the context of early childhood education in Aotearoa/New Zealand
- have undergone preparation to work in the following early childhood services: kindergarten; education and care; Pacific Island language nests; and home-based care.

As you are required to have a working knowledge of a range of early childhood education centres, you will undertake 21 weeks of teaching experience across the three years of the degree.

An alternative pathway is to complete an undergraduate degree first, or be a qualified primary school teacher, and then apply to enrol in the one-year Graduate Diploma of Teaching (ECE). See the *Faculty of Education Handbook* or visit **www.victoria.ac.nz/education** for more information.

Students who already have early childhood qualifications they want to upgrade to a degree can apply for the Bachelor of Education (Teaching) EC Upgrade, requiring up to one year of full-time study.

Admission to teacher education programmes involves meeting set academic criteria, having supportive referees, making declarations about criminal convictions and health and disability issues, and taking part in a group exercise to assess interpersonal skills.

The assessment exercise includes thinking about the qualities needed to be a good teacher and a follow-up discussion with a group of other applicants. The assessment evaluates your skills in listening, oral communication and working with others and is useful for determining your suitability for teaching. The New Zealand Teachers Council also requires that your literacy and numeracy skills are tested before you begin your programme. When you attend the assessment exercise you will be asked to complete a form giving the University permission to seek a police check. This is required for all students who will spend time in schools or centres as part of their study. This assessment will be undertaken before full acceptance to the teacher education programme.

If English is not your first language, admission to teacher education programmes requires a minimum IELTS test score of 7.0 in each of the four categories assessed. You should undertake an IELTS test and submit the test results with your application.

TeachNZ offers a range of scholarships for teachers in training. Visit **www.teachnz.govt.nz** or phone 0800 832 246 for more information. If you are considering applying for a TeachNZ Scholarship, do so early as there are limited numbers available.

Alexis Crockett

Second-year Bachelor of Arts/Bachelor of Teaching (ECE)* student
From Bay of Plenty

I chose Victoria for its location, as I really wanted to live in Wellington for its culture and atmosphere. I was working in a childcare centre and felt like I could push myself further to develop my knowledge and understandings to contribute more to the field.

The first year was really interesting—working out how to write assignments, use the library and get the most from lectures. It confirmed for me that I had made the right choice in coming to Victoria.

My favourite course so far has been KURA 111 Cultural Politics of Education in New Zealand and the Pan-Pacific. I found it really insightful into New Zealand and Māori culture and relevant to working in Early Childhood in Aotearoa.

My advice to new students is to take full advantage of all the opportunities available. Don't be afraid to use student support services and ask your lecturers and tutors for help and feedback if you need it.

My plans for the future are to finish my degree and then hopefully get a job in a community-based childcare centre. My studies have really opened up my understandings of how New Zealand sits in comparison to the rest of the world in its perspectives and views on early childhood education.

*This degree has been replaced by the BEd(Tchg) ECE.

Recommended school subjects

These include a balance of sciences, mathematics and essay-based subjects such as English, History and Geography. Creative subjects such as Music Studies, Practical Arts and Design are also useful.

Postgraduate opportunities

Completion of an ECE undergraduate programme can lead to further study for the Postgraduate Certificate in Education and Professional Development and the Postgraduate Diploma in Education and Professional Development (PGCertEdPD and PGDipEdPD). The Faculty also offers a Master of Education (MEd) and a PhD.

www.victoria.ac.nz/postgraduate

Potential careers

These qualifications lead to a career in early childhood teaching.

www.victoria.ac.nz/careers

Degree requirements

Total points required: 360

- 45 points from EPOL 111–119, 75 points from EPOL 211–219 and 15 points from EPOL 316–319
- 60 points from EPSY 111–119, 30 points from EPSY 211–219, and 70 points from EPSY 313–319
- 15 points from KURA 111–119, 15 points from KURA 211–219 and 20 points from KURA 311–319
- At least one elective course selected from the schedule to any first degree.

Subject	Major code
Teaching Early Childhood	TCEC

BEd(Tchg)EC qualification structure

	Trimester One	Trimester Two
Year 1	EPOL 111 EPOL 113 EPSY 113 1 x choice paper from schedule to any first degree	EPOL 112 EPOL 214 *ESPY 114* KURA 111
Year 2	EPOL 211 EPOL 212 EPSY 111 *EPSY 115*	EPOL 213 *EPSY 211* EPSY 212 KURA 211
Year 3	EPOL 215 EPOL 316 EPSY 313 EPSY 314	EPSY 315 *EPSY 317* KURA 311

Courses in *italics* contain Teaching Experience component.

Degree example—BEd(Tchg)EC

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
EPOL 111 15 pts	EPOL 112 15 pts	EPOL 211 15 pts	EPOL 213 15 pts	EPOL 215 15 pts	EPSY 315 20 pts
EPOL 113 15 pts	EPOL 214 15 pts	EPOL 212 15 pts	EPSY 211 20 pts	EPOL 316 15 pts	EPSY 317 20 pts
EPSY 113 15 pts	EPSY 114 15 pts	EPSY 111 15 pts	EPSY 212 15 pts	EPSY 313 15 pts	KURA 311 15 pts
MAOR 123 20 pts	KURA 111 15 pts	EPSY 115 15 pts	KURA 211 15 pts	EPSY 314 15 pts	
125 points		125 points		115 points	

BEd(tchg)EC course | **Choice paper from any first degree at least 15 points**

Total points required: 360
Total points completed: 365

Bachelor of Engineering with Honours

www.victoria.ac.nz/be

FACULTY OF ENGINEERING
Student Administration
Phone 04-463 5101
Email engineering@vuw.ac.nz
Website www.victoria.ac.nz/engineering

Are you someone who likes problem-solving, being creative, making things? Do you like to understand how things work and often think "I could improve that"?

Do you want to create technology that saves lives and makes the world a better place? If so, our Engineering programme is for you—come to Victoria and study with innovative people.

Our Bachelor of Engineering with Honours (BE(Hons)) focuses on the digital world so that you can design and implement real-world systems. Right from the start of this degree you will gain core skills and apply them to design and build exciting technology, such as autonomous robots and computer games.

Engineers are some of the most sought-after people in the modern world. You will graduate as a skilled professional and be able to choose from many interesting and well-paid careers.

Victoria University is the number one engineering and computer science research tertiary institution in New Zealand. Our researchers have developed audio coders that form the basis for internet telephony, won technical Oscars for graphics, edited world-leading technical journals, created their own programming languages, and monitored the Antarctic ice sheets with magnetic resonance.

The Bachelor of Engineering (Hons) has been granted full accreditation with the Institution of Professional Engineers of New Zealand (IPENZ).

Admission to the Bachelor of Engineering with Honours

In addition to the admission requirements on page 13, it is recommended that students applying for admission to the BE(Hons) also have:

BE specialisation	NCEA requirements
Electronic and Computer Systems Engineering (ECEN)	18 credits in NCEA Level 3 Mathematics with Calculus 18 credits in NCEA Level 3 Physics
Network Engineering (NWEN)	16 credits in NCEA Level 3 Mathematics
Software Engineering (SWEN)	16 credits in NCEA Level 3 Mathematics

Students applying with CIE and IB should contact the School of Engineering and Computer Science for equivalents.

Students without the recommended level of achievement for entry to the BE(Hons) specialisation of their choice may be encouraged to apply instead for the Bachelor of Science (BSc) degree majoring in Computer Science or Electronic and Computer Systems. They will still need to meet any entry requirements for the individual courses, such as Mathematics (page 154) and Physics (page 163). They may consider transferring into the BE(Hons) at a later stage depending on academic progress.

Recommended school subjects

Subjects to study at school include Digital Technologies, Mathematics with Calculus, Physics, Statistics and Modelling, Computing, Science, and Technology.

ECEN: To be successful we recommend that you have at least 18 NCEA Level 3 credits in Mathematics with Calculus (or equivalent) and 18 NCEA Level 3 credits in Physics.

SWEN and NWEN: To be successful we recommend that you have at least 16 NCEA Level 3 credits in Mathematics (or equivalent).

Postgraduate opportunities

There is a wide range of Master's and PhD opportunities in diverse and interesting engineering fields, from robotic music to active vision, and artificial intelligence to internet security.

www.victoria.ac.nz/postgraduate

Potential careers

The BE(Hons) leads to careers in a wide range of exciting jobs including robotics, computer game design, mechatronics, health care, computer graphics, web innovation, mobile communications, multimedia programming, advanced research, plus a wide variety of software and hardware systems design roles.

www.victoria.ac.nz/careers

Henry J. Wylde

Third-year Bachelor of Engineering student majoring in Software Engineering
From Wellington

I have been interested in technology from a very young age, starting to learn to program at the age of 12. Software Engineering provides me with a challenge that is forever changing and that will never get boring. I find it intuitive and it allows me to apply my knowledge to solve a range of different problems. With the forever-increasing need for technology and software engineers in today's society, software engineering will be a good choice of career in terms of job security.

One highlight of my first year was in ENGR 101 Engineering Technology, where we were required to design and develop a robot to complete a few set tasks set out for us. Some tasks involved lifting weights, solving a maze and racing other robots.

Last year I participated in an exchange for a trimester to the University of Limerick in Ireland, which was one of the best experiences in my life so far, as I got to travel Europe and learn more about myself and my interests. Vic OE generously provided a grant and made the process easy. I hope to go overseas again to complete postgraduate studies.

Since coming back to New Zealand, I find I am more eager to get involved at Victoria. I have started tutoring, to help others find the same enjoyment I get from Software Engineering. I have also joined two clubs at Victoria. I have met some fantastic people through this, some of whom have even offered to get me job interviews. I have also learnt about where some different job locations are, which opens up my options for where I might like to try and work after I finish studying.

Specialisations

Electronic and Computer Systems Engineering focuses on the development of electronic-based systems to solve real-world problems. In the modern world, electronics are rarely used alone, but must be combined with embedded computing and mathematical techniques to provide intelligence and control.

Network Engineering gives you an understanding of the full range of modern communication technologies, network protocols, middleware and knowledge about the reliability and security techniques required for modern networks. Your degree will equip you with the expertise needed to design, build configure and test modern networks and networked services.

Software Engineering enables you to design, implement and maintain complex computer systems. You learn to build software systems that not only solve a problem, but are also efficient, robust and reliable.

Specialisation	Code
Electronic and Computer Systems Engineering	ECEN
Network Engineering	NWEN
Software Engineering	SWEN

Degree requirements

Total points required: 480

- At least 120 points must be at 400 level or above from the BE(Hons) list of courses.
- Three approved 'breadth' courses from any Bachelor's degree must be included, including at least one course above 100 level (eg. three DESN courses). This is called part 3.
- Work experience of 800 hours is required, beginning after second year of study.
- Honours will be awarded to students with good academic achievement in their third and fourth years of study.
- The required first-year subjects for each specialisation must be completed with at least a B average for students to progress into year two of the degree.
- For entry requirements to 100-level courses from Science, see Subject and course information (from page 116).

First-year students need to take the 100-level core courses (see below), plus any additional 100-level courses required for their chosen specialisation. To find out details of what a particular course is about and when it is taught, look in the Subject and course information (from page 116).

Core courses (all specialisations)

Part 1	Part 2		Part 3
COMP 102 or COMP 112*	ENGR 291	ENGR 401	Three approved courses from any Bachelor's degree, including at least one course above 100 level and forming a coherent unit of study (eg. three Design courses or three Management courses)
COMP 103	ENGR 301	ENGR 489	
ENGR 101	ENGR 302	ENGR 491	
ENGR 110*	ENGR 391		

*subject to approval

To keep open all specialisations, a very able student with NCEA Level 3 Mathematics with Calculus and Physics would take ENGR 101, COMP 102 or COMP 112, PHYS 114, MATH 151 or ENGR 121 in Trimester One and COMP 103, PHYS 115, ENGR 110, MATH 142 or ENGR 122 and MATH 161 in Trimester Two. Note that MATH 177/STAT 193 can be delayed to the second year.

Specialisation in Electronic and Computer Systems Engineering

Year 1	Year 2	Year 3	Year 4
ENGR 121*	ECEN 201, 202, 203, 220, 301, 320, MATH 244	ECEN 301, 320 At least two courses from ECEN 302, 303, 310, 315, 330, COMP 307, NWEN 301, 302, 304, SWEN 303	At least three courses from ECEN 401–440
ENGR 122*			
PHYS 114	At least one course from COMP 261, NWEN 241, 242, 243, SWEN 221		One further course from ECEN 401–440, ECEN 441, COMP 421, NWEN 402, 403, 404, SWEN 422
PHYS 115			

*subject to approval

- Some suggested electives for ECEN students are CMPO 281, DSDN 104, 141, 142 and MARK 101. Students may also select any other 100-level 2/3 course that fits with their timetable.
- Very strong Maths students may do MATH 1 51 and 142 instead of ENGR 121 and 122. Please seek advice before choosing this option.

Specialisation in Network Engineering

Year 1	Year 2	Year 3	Year 4
ENGR 121* or MATH 151	NWEN 241, 242, 243	NWEN 301, 302, 304	At least three courses from NWEN 401–440
MATH 161	At least three courses from COMP 261, ECEN 201, 202, 203, 220, SWEN 221, 222, 223, 224	At least one course from COMP 303, 304, 307, SWEN 301–304, ECEN 301–399, NWEN 303	At least one further course from COMP 421, 422, 423, 425, ECEN 403–440, NWEN 401–440, SWEN 421–440
One of MATH 177 or STAT 193			
One of PHYS 114, 115 or 122			

*subject to approval

Specialisation in Software Engineering

Year 1	Year 2	Year 3	Year 4
MATH 161	NWEN 241	SWEN 301, 302, 303	At least three courses from SWEN 401–440
One of STAT 193 or MATH 177	SWEN 221, 222, 223, 224	At least one course from COMP 303, 304, 307, 312, 348, NWEN 301, 302, 303, 304, SWEN 304	At least one further course from COMP 401–479, NWEN 421, 422, 423, 425, SWEN 401–440
One of PHYS 122, 114 or 115	COMP 261 or NWEN 242		
Elective			

Degree example—BE specialising in Electronic and Computer Systems Engineering

Year 1	
1/3	2/3
COMP 102 15 pts	COMP 103 15 pts
ENGR 101 15 pts	ENGR 110 15 pts
ENGR 121 15 pts	ENGR 122 15 pts
PHYS 114 15 pts	PHYS 115 15 pts
120 points	

Year 2	
1/3	2/3
MATH 244 15 pts	ECEN 220 15 pts
ECEN 202 15 pts	ECEN 203 15 pts
NWEN 241 15 pts	ECEN 201 15 pts
Part 3A 15 pts	Part 3B 15 pts
120 points	

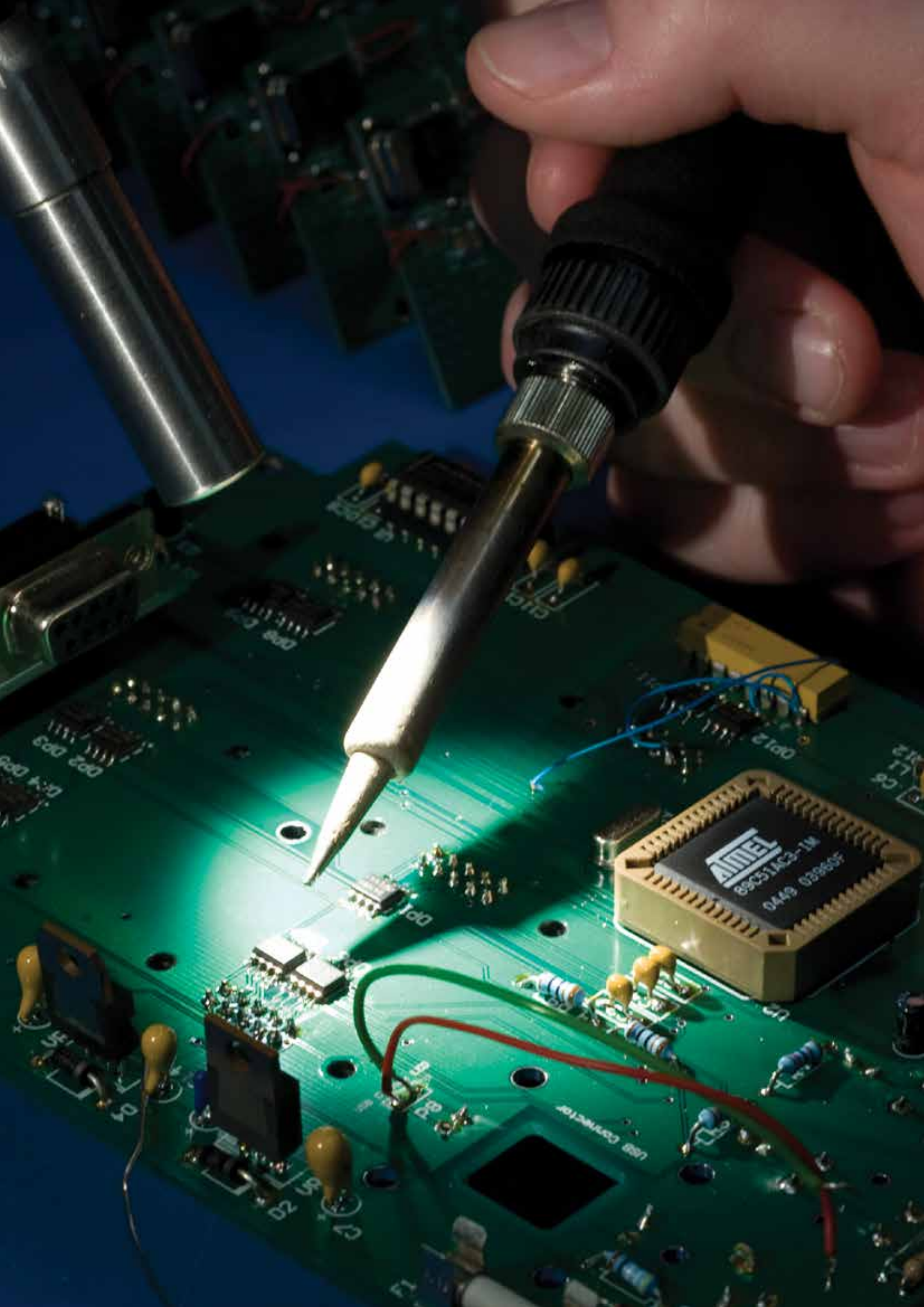
Year 3	
1/3	2/3
ENGR 301 15 pts	ENGR 302 15 pts
ECEN 301 15 pts	Part 3C 15 pts
ECEN 320 15 pts	ECEN 300 level 15 pts
ECEN 300 level 15 pts	ECEN 300 level 15 pts
120 points	

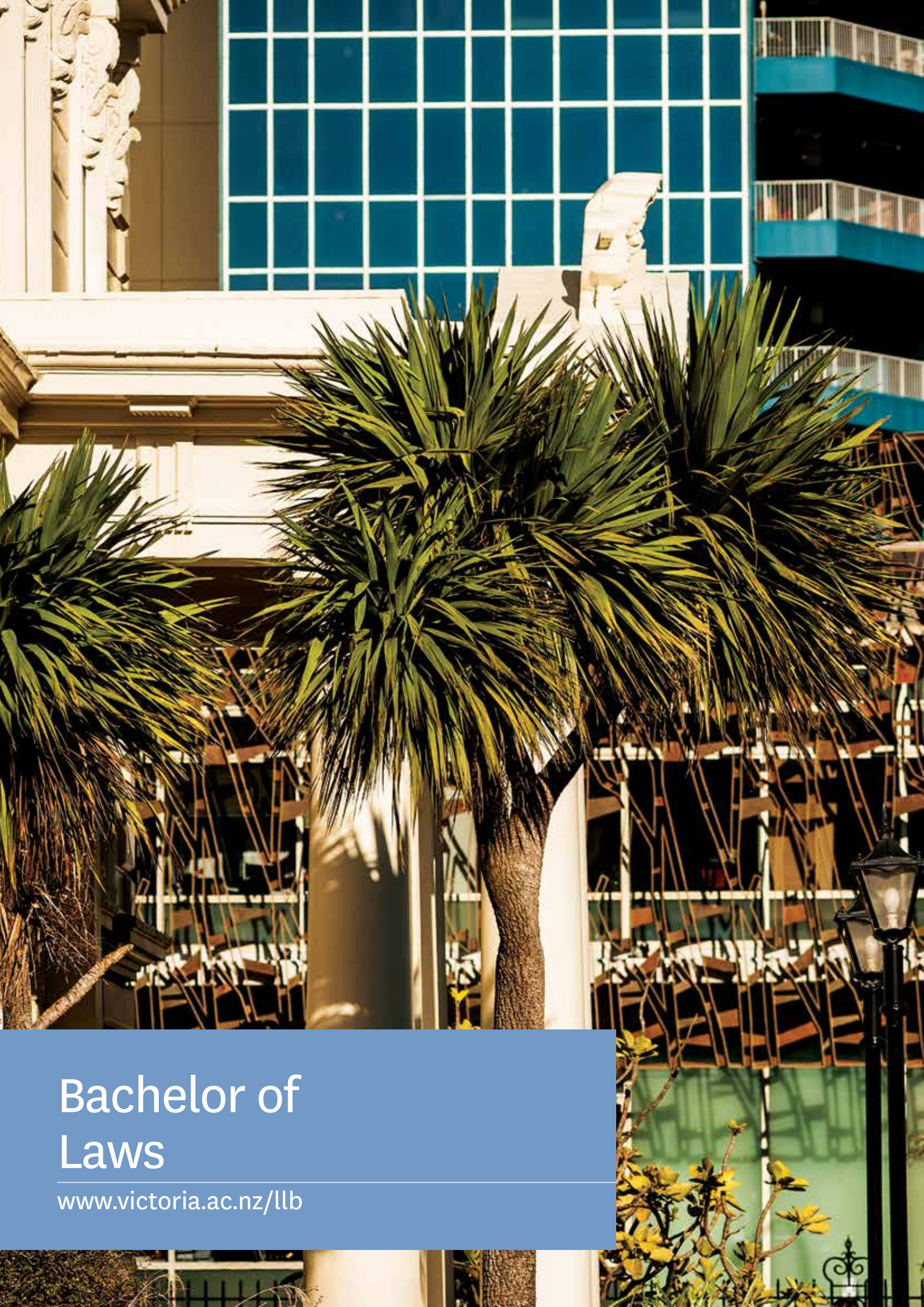
Year 4	
1/3	2/3
ENGR 489 30 pts	
ENGR 401 15 pts	ECEN 400 level 15 pts
ECEN 400 level 15 pts	ECEN 400 level 15 pts
ECEN 400 level 15 pts	ECEN 400 level 15 pts
120 points	

Core course | **Specialisation** | **Elective**

Total points required: 480
Total points completed: 480

*At least one of these courses must be at 200 level or above. The choice of subjects will be affected by timetable constraints.


ATMEL
89C51AC2-1M
USB connector



Bachelor of Laws

www.victoria.ac.nz/llb

FACULTY OF LAW

Sharon Watkins, Undergraduate Administrator
Phone 04-463 6433
Email law-enquiries@vuw.ac.nz
Website www.victoria.ac.nz/law

Law is about relationships and about our connections to each other. Our society, culture and economy, our family ties and our international allegiances all exist within a legal framework.

The Bachelor of Laws (LLB) is a four-year undergraduate degree. Most students combine the LLB with another degree, which takes a minimum of five years study. Graduates contribute to every aspect of life in New Zealand, whether practising as lawyers or working in government, business or the community. They are equipped to both uphold and challenge the principles that govern our daily lives.

Victoria's School of Law is housed in the historic Government Buildings. Its downtown location is at the hub of New Zealand law-making, opposite Parliament and close to the courts, research libraries and the central business district. This unique environment attracts top staff and students from around the world.

Victoria's law students are active debaters and do well in international mooting and debating competitions.

Law at Victoria is taught by the Socratic method. Students are questioned on their set readings during lectures. This is ideal preparation for a career in law.

The excellence of Victoria's legal academics was confirmed in a report released by the Tertiary Education Commission (TEC), which ranked Victoria University number one in New Zealand for research quality. The report shows Victoria has, with a total quality score of 6.4, the highest-rated Law Faculty for research in the country and establishes its research pre-eminence in New Zealand.

This underpins its high rating last year as the only New Zealand law school in the world's top 25 law schools in the QS World Universities Survey and its improvement on that rating in 2012 to the top 20.

Recommended school subjects

Subjects that you enjoy. These may be essay-based or subjects that encourage analytical thinking: English, History, History of Art, Classics, Geography, Economics, Physics, Music, languages and Mathematics.

Postgraduate opportunities

Graduates with an LLB often combine work with part-time study in a Master of Laws to specialise in a subject area of law. A Graduate Certificate in Law is also offered.

www.victoria.ac.nz/law/study/postgraduate

Potential careers

A law degree can lead to a range of careers. Graduates work in legal practice (in New Zealand and around the world), specialising in a wide range of areas, from international law, litigation, mediation and commercial law to family law. They work in businesses, in government (including the Ministry of Foreign Affairs and Trade, the Crown Law Office, the Department of Conservation and the Defence Force), in the creative arts, as university lecturers and in the community.

To be eligible for admission to the legal profession in New Zealand (to practise law), law graduates must complete a practical professional legal studies course, often called 'profs'. Two organisations offer this training in New Zealand. The Law Faculty can advise students about this requirement.

www.victoria.ac.nz/careers

Degree requirements

Total points required: 480

- 90 non-law points of your choice.
- 21 LAWS courses comprising 10 compulsory courses and 11 one-trimester 300-level electives of your choice.
- Selection into second year is based on academic performance in the three first-year law courses and on successful completion of at least 70 non-law points.

Check the website for selection criteria into second-year law for first-year students, returning second-year law students, transferring students or graduates or if you require details on the Māori Admissions Process.

www.victoria.ac.nz/law/study/undergraduate/selection-criteria

Every law student should look at the current law prospectus for further advice on how to plan your degree. A copy may be obtained from the Law School Office G 31 Old Government Buildings or view it at **www.victoria.ac.nz/law**

Hannah Jacobi

Third-year Bachelor of Laws and Bachelor of Arts student majoring in French and International Relations From Napier

I chose Victoria because of the diversity of courses offered and because I was attracted to the coolest little capital—with everything Wellington has to offer.

I took a gap year after high school to think about what I wanted to study and what career path I wanted to follow. I finally decided on Law because of the academic challenge it provides and the variety of areas you can work in. I chose to study International Relations and French because of my passion for languages and to complement my legal studies.

My first year at Victoria was fantastic. I was in a Hall of Residence, Weir House, and had the opportunity to meet lots of new people and have lots of fun. When you first arrive at university it is a huge unknown territory. After settling down into the student lifestyle it takes a while to work out if the courses you have chosen are right for you. I changed my major in my BA twice during my first year as well as dropping and adding courses.

Wellington is a very special city and is a fantastic place to study. Studying law and politics, Victoria's proximity to government provides many opportunities and the law you are studying is being made just across the road! I have also been involved with the Victoria International Leadership Programme—a fantastic programme that encourages you to step outside of the lecture theatre and broaden your knowledge with guest speaker events and hands-on experience.

At Victoria I have been able to follow my passions and explore the things I have always been interested in. My plans for the future are to do some more travel and have a job that I enjoy and find stimulating—either as a lawyer or in international affairs.

Subjects offered

Subject	Major code
Law	LAWS

First year

The first year consists of three LAWS courses, together with at least 70 points in non-law courses of your choice. LAWS 121, which is offered in the first trimester, is open entry, subject to university admission criteria. A pass in LAWS 121 is a prerequisite for both LAWS 122 and 123.

Two streams of LAWS 121, 122 and 123 are held at the Kelburn Campus, and another stream in each course is held at the Pipitea Campus. Check your timetable carefully before selecting a stream. If a stream is full you will be assigned to another stream, so get your application in early to avoid disappointment. If all streams are full you may be waitlisted.

A B+ average over the three first-year law courses (plus passes in the non-law courses) is generally required for selection into second-year law.

Most first-year law students begin another degree in their first year alongside their LLB. This means their 70 non-law points (see right) should be made up of courses required for that other degree. Use the relevant degree pages in this section to find out what you need to include in your first-year programme. To find out details of what a particular course is about and when it is taught, look in the Subject and course information (from page 116).

First year

LAWS 121

LAWS 122

LAWS 123

plus four 20-point 100-level courses from any degree schedule or five if taking any 15-point courses, a total of at least 70 additional non-LAWS points

TOTAL = 120+ points

Second year

LAWS 211

LAWS 212

LAWS 213

LAWS 214

LAWS 297 (if you are studying part time, enrol in LAWS 297 on entry to second-year study, together with two or three of LAWS 211–214)

TOTAL = 130 points

Third year

LAWS 301

LAWS 312

plus four 15-point 300-level LAWS electives

TOTAL = 105 points

Fourth year

Seven 15-point 300-level LAWS electives

(LAWS 334 must be included for admission to the Bar)

TOTAL = 105 points

plus the remaining non-law points (if not completed in the first or a subsequent year) to make up a total of 90

Selection into Honours

Each year the top students who have completed at least four of the five 200-level courses are invited to join the Honours programme.

While sharing many components with the LLB, the LLB(Hons) is a separate undergraduate degree that extends students' research, writing and analytical skills in a range of specialist areas.

Degree example—Conjoint LLB/BA, with majors in History and Philosophy

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
LAWS 121 20 pts	LAWS 122 15 pts	LAWS 211 30 pts		LAWS 212 30 pts	
HIST 100 level 20 pts	LAWS 123 15 pts	LAWS 213 30 pts		LAWS 214 30 pts	
PHIL 100 level 20 pts	HIST 100 level 20 pts	LAWS 297 10 pts		HIST 300 level 20 pts	HIST 300 level 20 pts
	PHIL 100 level 20 pts	HIST 200 level 20 pts	HIST 200 level 20 pts	PHIL 200 level 20 pts	PHIL 300 level 20 pts
		PHIL 200 level 20 pts			
130 points		130 points		140 points	

Year 4		Year 5	
1/3	2/3	1/3	2/3
LAWS 301 30 pts		LAWS 300 level 15 pts	LAWS 300 level 15 pts
LAWS 312 15 pts	LAWS 300 level 15 pts	LAWS 300 level 15 pts	LAWS 300 level 15 pts
LAWS 300 level 15 pts	LAWS 300 level 15 pts	LAWS 300 level 15 pts	LAWS 300 level 15 pts
HIST 300 level 20 pts	PHIL 300 level 20 pts	LAWS 300 level 15 pts	LAWS 300 level 15 pts
		PHIL 300 level 20 pts	
130 points		140 points	

Law course | **First major (BA)** | **Second major (BA)**

Total points required: 660
Total points completed: 670

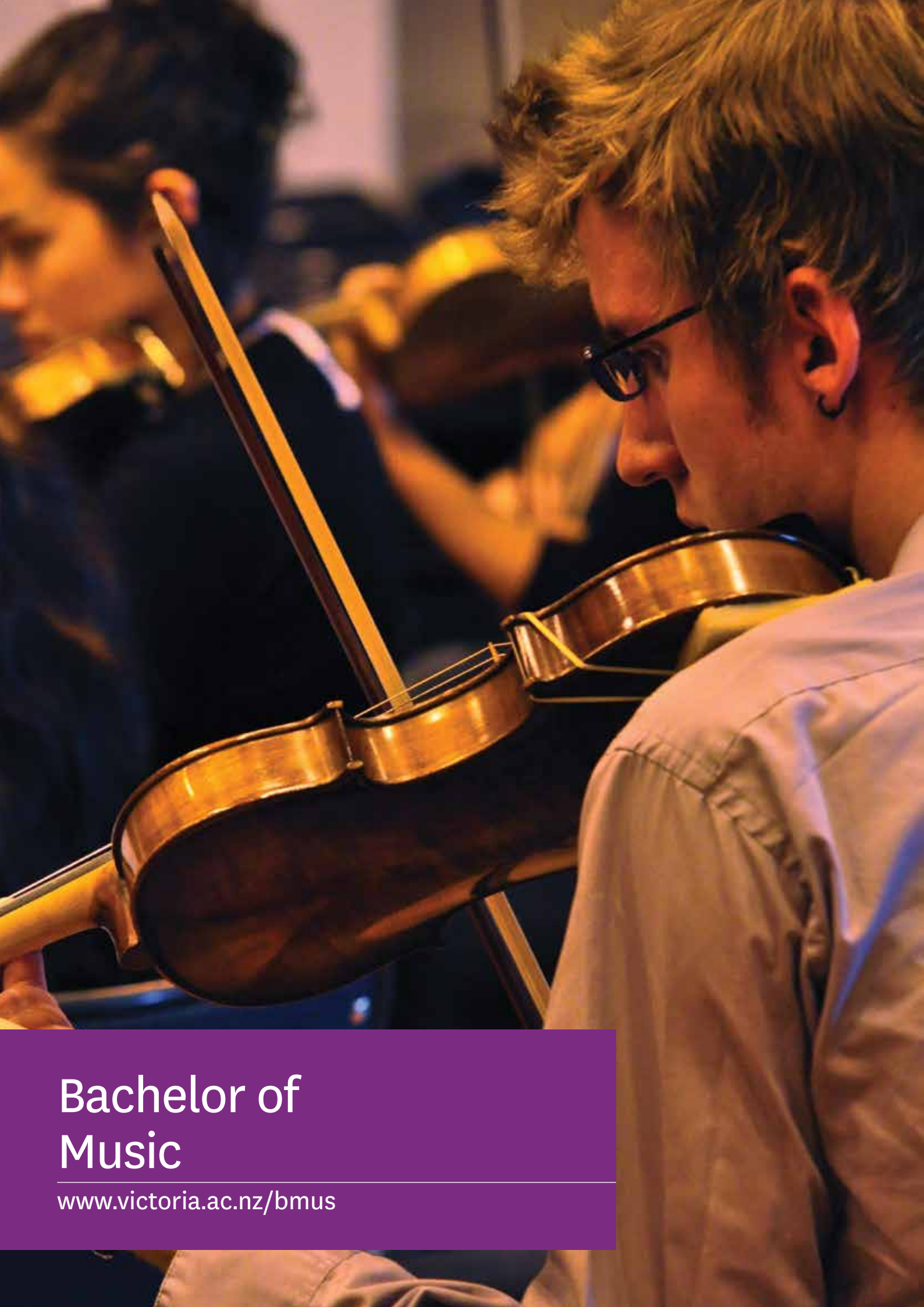
Degree example—Conjoint LLB/BCom, with a major in Economics and a minor in Finance

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
LAWS 121 20 pts	LAWS 122 15 pts	LAWS 211 30 pts		LAWS 213 30 pts	
FCOM 111 15 pts	LAWS 123 15 pts	LAWS 212 30 pts		LAWS 214 30 pts	
ECON 130 15 pts	ECON 140 15 pts	LAWS 297 10 pts		ECON 300 level 15 pts	FINA 200 level 15 pts
QUAN 102 15 pts	QUAN 111 15 pts	ACCY 111 or 130 15 pts	INFO 101 15 pts	FINA 200 level 15 pts	FINA 200 level 15 pts
		ECON 201 15 pts	ECON 202 15 pts	MGMT 101 15 pts	
		QUAN 201 15 pts			
125 points		145 points		135 points	

Year 4		Year 5	
1/3	2/3	1/3	2/3
LAWS 301 30 pts		LAWS 300 level 15 pts	LAWS 300 level 15 pts
LAWS 312 15 pts	LAWS 300 level 15 pts	LAWS 300 level 15 pts	LAWS 300 level 15 pts
LAWS 300 level 15 pts	LAWS 300 level 15 pts	LAWS 300 level 15 pts	LAWS 300 level 15 pts
LAWS 300 level 15 pts	LAWS 300 level 15 pts	FINA 300 level 15 pts	MARK 101 15 pts
	ECON 300 level 15 pts		ECON 300 level 15 pts
135 points		135 points	

Law course	Core course (BCom)	Major (BCom)	Minor (BCom)

Total points required: 660
Total points completed: 675



Bachelor of Music

www.victoria.ac.nz/bmus

TE KŌKĪ NEW ZEALAND SCHOOL OF MUSIC
Phone 04-463 5369 (Kelburn Campus)
or 04-463 4760 (Mt Cook Campus)
Email music@nzsm.ac.nz

FACULTY OF HUMANITIES AND SOCIAL SCIENCES
Phone 04-463 5745
Email fhss-enquiries@vuw.ac.nz
Website www.victoria.ac.nz/fhss

Whether you're listening to the historic notes of Baroque instruments or the beats of contemporary electronica, music reaches out and connects us, to our past, to other cultures and to each other.

The Bachelor of Music (BMus) programme offers rigorous technical training in distinct areas of study: a range of performance traditions and styles, an inspirational composition and sound design environment and broad options for the academic study of music, including in popular and film music.

Te Kōkī New Zealand School of Music (NZSM) is a collaborative venture between Massey University and Victoria University of Wellington, with students receiving qualifications jointly conferred by both universities.

NZSM programmes are delivered in Wellington; Jazz programmes are also delivered at Massey's Albany Campus. The NZSM offers opportunities unparalleled in New Zealand. Staff and artist teachers are internationally recognised performers, composers and researchers, including members of the New Zealand Symphony Orchestra (NZSO), New Zealand String Quartet and the Wellington Jazz Orchestra. Master classes and workshops are given by leading international artists, resident and visiting composers are featured at weekly composer workshops and leaders in a variety of fields of musical research are featured at weekly music forum presentations. Facilities include outstanding new Steinway pianos, a fine collection of historical instruments, several world-class concert rooms and three well-equipped electroacoustic music studios.

Features of the BMus

- Three years of full-time study.
- For most BMus programmes, a good background in music theory is recommended. MUSC 160 is available for students without the necessary background.
- Places in Classical Performance and Jazz Performance programmes are by audition. Classical instrumentalists should have reached the equivalent of Grade 8 in Associated Board exams before auditioning and classical singers should have a good background in musicianship and theory. Jazz students should show technical and musical competence in a jazz style on their instrument or voice.
- Audition applications for Classical and Jazz Performance are due mid-September 2013 with opportunities for late applications advertised on the NZSM website.

All BMus students enrol through Victoria University's Online Enrolment System.

TE KŌKĪ
NEW ZEALAND
SCHOOL OF MUSIC

Recommended school subjects

Some subjects require prior knowledge of music theory. Pathways that do not require prior knowledge or learning in music theory are also available.

Postgraduate opportunities

Graduates of the BMus degree can go on to postgraduate study in Honours, Master's, Diploma and Doctoral programmes. BMus graduates may also apply for places in the Master of Music Therapy, a two-year full-time programme that trains graduates to become professional music therapists.

www.victoria.ac.nz/postgraduate

Potential careers

A BMus can lead to careers as a professional musician or singer, composer or teacher of music, or a wide range of careers in music, broadcasting, the media and arts management.

www.victoria.ac.nz/careers

BMus majors

Classical Performance—Classical Performance students can receive tuition in all the standard orchestral instruments as well as voice, piano, guitar, recorder, Baroque violin, Baroque cello, Baroque flute, organ, harpsichord and fortepiano.

Composition (Instrumental/Vocal, or Sonic Arts)—Composition students are encouraged to write pieces that can be performed at the School, and compete in the annual composers' competition.

Jazz—Jazz students can receive instruction in all standard jazz instruments or in voice.

Music Studies (Ethnomusicology, Musicology, Jazz Studies or without specialisation)—Students in Music Studies receive broadly based music training, including historical, critical and creative papers in a wide range of musical styles and genres. Ethnomusicology, Musicology and Jazz specialisations within that major benefit from the internationally recognised expertise the NZSM offers.

Subject	Major code
Classical Performance	PERF
Composition (Instrumental and Vocal)	CMPO (INVO)
Composition (Sonic Arts)	CMPO (SONA)
Jazz	JAZZ
Music Studies (Ethnomusicology)	MUST (ETHM)
Music Studies (Jazz Studies)	MUST (JZST)
Music Studies (Musicology)	MUST (MUMU)
Music Studies (without specialisation)	MUST

Study for the BMus in Classical Performance, Composition (Instrumental/Vocal, or Sonic Arts) and Jazz is intensive and allows relatively little room for non-Music courses.

If you want a more broadly based degree, the BA in Music is more suitable (see page 52 for BA in Music requirements). For students who enjoy being extended, it is possible to take a conjoint degree combining a BMus and a BA.

Umar Zakaria

Third-year Bachelor of Music student majoring in Jazz Performance
From Christchurch

I decided to study at the New Zealand School of Music (NZSM) because I am interested in jazz, classical performance and composition. One specific thing that drew me to the NZSM is that Rodger Fox is here and leads a very strong Big Band programme that I've now been able to be a part of every year. I have always been interested in playing jazz—it was the feeling of Jazz that made me want to play music in the first place.

My first year went by pretty smoothly. I was afraid that I would be falling behind when I arrived, so I tried to fit in as much practice and musical study as I could while I was in Year 13 and I think that preparation definitely helped.

One thing cool about Wellington is that everything is very close and compact. In one night you can go to an NZSO concert, head to a nearby venue to catch a local gig and end up at a jam session to meet and play with other musicians who are in town. Sometimes you even catch some classical students at the gigs or the jam sessions. The current NZSO principal trumpet comes to play at the jam sessions all the time and he's a fantastic improviser who's a lot of fun to jam with. Equally, you'll always find jazz musicians checking out local performances of classical music. You'll find classical students in the NZSM Big Bands and jazz students in the NZSM Orchestra.

Rodger Fox is always bringing in amazing international guest artists to perform with Wellington musicians and run workshops and Master Classes, and sometimes they'll give students private lessons. Students here have had the opportunity to study with and play with musicians at the highest level, the musicians who are or have worked with the great 'Legends' of our music, and who are able to pass down to us their wisdom and experience. I've shared the stage with John Fedchock, Dick Oatts, Eric Marienthal, Bob Sheppard, Alex Sipiagin, Bennie Maupin and others.

My advice to new students: nurture your interests. There's a lot of material to cover in this degree and it is important to master all of it. It is. In the end, though, it's about doing what you love, and that's the reason why we go through all of that—you get to do what you love in a really beautiful way.

Degree requirements

Total points required: 360

- ⊞ Maximum of 180 points at 100 level allowed.
- ⊞ Minimum of 180 points at 200/300 level required, including 75 points at 300 level.

Major requirements

The courses listed in a. of the major requirements below are what you need to take in your first year. To find out details of what a particular course is about and when it is taught, look in the Subject and course information (from page 116).

Classical Performance

a. PERF 130, MUSC 105, 166, 167 and one of MUSC 130–139; and at least one of PERF 132, 134 or 136
b. PERF 230; either PERF 232 and 233, PERF 233 and 234, or PERF 235 and 236; MUSC 266; and at least one of MUSC 230–239, 245
c. PERF 330; either PERF 332 and 333, PERF 333 and 334, or PERF 335 and 336; and at least one of MUSC 230–249, 267, 330–345, 365–369

Composition (Instrumental/Vocal)

a. CMPO 101, 130, MUSC 105, 166, 167
b. CMPO 201, 202, MUSC 266
c. CMPO 301 and one of CMPO 302–309
d. One course/paper from CMPO 230–239, 280–289, or MUSC 260–269
e. One course/paper from MUSC 220–259
f. One course/paper from CMPO 330–339, 380–389, or MUSC 360–369
g. One course/paper from MUSC 320–359
h. Any PERF course/paper

Note: Admission to 200 level of the Composition major is contingent on the submission of an acceptable portfolio.

Composition (Sonic Arts)

a. CMPO 101, 181, MUSC 105 and two of MUSC 164, 166, 167, 264 or 266
b. CMPO 210, 211 and MUSC 265
c. CMPO 301 and one of CMPO 305–315
d. One course/paper from CMPO 230–239, 280–289, or MUSC 260–269
e. One course/paper from MUSC 220–259
f. One course/paper from CMPO 330–339, 380–389, or MUSC 360–369
g. One course/paper from MUSC 320–359
h. Any PERF course/paper

Note: Admission to 200 level of the Composition major is contingent on the submission of an acceptable portfolio.

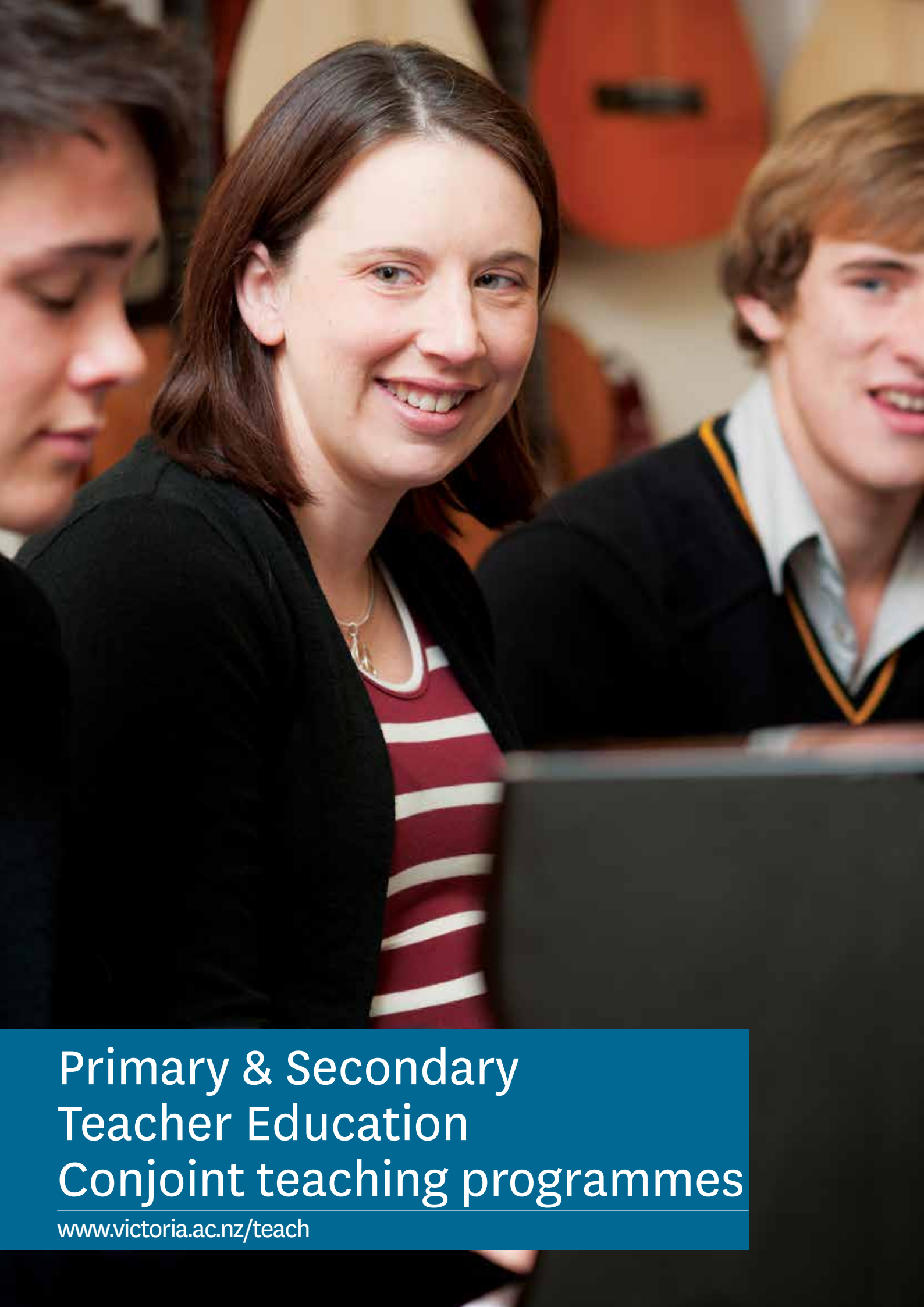
Jazz

a. PERF 120, 121, 122, MUSC 105, 125 and 164
b. MUSC 264, CMPO 235; either PERF 220, 221, 222 or CMPO 220, 221
c. 75 CMPO, MUSC or PERF points at 300 level, including either PERF 320, 322, or CMPO 320, 321; and one of MUSC 326, 327, or CMPO 335

Music Studies

The courses listed under (a) in each specialisation are the ones you need to take in your first year.

Without specialisation	Musicology
a. MUSC 105; -either MUSC 164 or 166 -any PERF or CMPO paper/course -and two additional papers/courses, one from MUSC 120–159 and one from MUSC 120–174 b. 80 MUSC, PERF or CMPO points at 200 level, including at least two papers/courses from MUSC 220–259 c. 75 MUSC, PERF or CMPO points at 300 level, including at least one paper/course from MUSC 320–359	a. MUSC 105, 166, 167; any PERF or CMPO paper/course; and one paper/course from MUSC 130–139 b. MUSC 266; two papers/courses from MUSC 230–239; and one further paper/course from MUSC 220–259 c. 75 MUSC, PERF or CMPO points at 300 level including at least three papers/courses from MUSC 320–359, of which at least one must be from MUSC 330–339 and at least one must be from MUSC 330–349
Ethnomusicology	**Jazz Studies**
a. MUSC 105, 150, PERF 151; and either MUSC 164 or MUSC 166 b. MUSC 264 or 266; one of PERF 250–259; 60 further MUSC, PERF or CMPO points at 200 level, including at least two papers/courses from MUSC 220–269, of which one must be from MUSC 248–259 c. 75 MUSC, PERF or CMPO points at 300 level, including at least three papers/courses from MUSC 320–369, of which two must be from MUSC 349–359	a. MUSC 105, MUSC 125, MUSC 164; one paper/course from PERF 120–129; and one from MUSC 130–159 b. 80 MUSC, PERF or CMPO points at 200 level, including MUSC 264, CMPO 235, and one paper/course from MUSC 225–229 c. 75 MUSC, PERF or CMPO points at 300 level, including at least one paper/course from MUSC 325–329 and one from MUSC 320–324 or 330–359



Primary & Secondary Teacher Education Conjoint teaching programmes

www.victoria.ac.nz/teach

BTeach component advice

FACULTY OF EDUCATION

Student Administration Office
Level 2, Waghorn Block, Karori Campus
Phone 04-463 9500
Email education@vuw.ac.nz

BA component advice

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

BA/BTeach Student Adviser
Level 4, Murphy Building, Kelburn Campus
Phone 04-463 5745
Email fhss-enquiries@vuw.ac.nz

BSc component advice

FACULTY OF SCIENCE

Shona de Sain, Associate Dean (Students)
Level 1, Cotton Building, Kelburn Campus
Phone 04-463 5092
Email science-faculty@vuw.ac.nz

Teaching at primary and secondary levels is a rewarding career. Pre-service teacher education gives the knowledge needed to excel in the classroom, and teachers with conjoint degrees in teaching and sciences or arts can use their specialised skills to inspire and teach future generations.

The conjoint teaching programme combines a Bachelor of Teaching with a Bachelor of Arts (BA/BTeach) or Bachelor of Science (BSc/BTeach). The BTeach component provides a sound understanding of classroom practice and specific training for primary and secondary teaching. The BA or BSc component gives specialised knowledge in your chosen major subject and second teaching subject.

These challenging conjoint programmes produce teachers of the highest quality. Conjoint graduates can become qualified to teach from Years 1–13, enabling them to have a strong understanding of the compulsory sector and to move between primary and secondary schools for greater flexibility and work opportunities.

In the first year, students study courses for their BA or BSc on the Kelburn Campus. The following January, the BTeach starts with an introductory course (EPSY 131 Teaching: What's It All About?) that includes one week of classroom observation. At this point students have the option to continue with the conjoint teaching programme or simply continue their BA or BSc.

An alternative pathway is to successfully complete an undergraduate degree first, then apply to enrol in the one-year Graduate Diploma of Teaching, Primary or Secondary. See the *Faculty of Education Handbook* or visit the website **www.victoria.ac.nz/education** for further information.

For entry into any teaching programme, you will need to be assessed and accepted by the Faculty of Education as suitable for the teaching profession. This involves meeting set criteria, having supportive referees, making declarations about any criminal convictions or health and disability issues and successfully taking part in an assessment exercise.

The assessment exercise includes thinking about the qualities needed to be a good teacher and a follow-up discussion with a group of other applicants. The assessment evaluates your skills in listening, oral communication and working with others and is useful for determining your suitability for teaching. The New Zealand Teachers Council also requires that your literacy and numeracy skills are tested before you begin your programme. When you attend the assessment exercise you will be asked to complete a form giving the University permission to seek a police check. This is required for all students who will spend time in schools or centres as part of their study. This assessment will be undertaken before full acceptance to the teacher education programme.

If English is not your first language you must gain a grade of 7.0 or better in all categories of the academic IELTS test before you attend an assessment centre.

A range of TeachNZ scholarships may be available to those studying to become primary or secondary teachers. Contact TeachNZ on 0800 832 246 for more information or visit **www.teachnz.govt.nz**

Recommended school subjects

These include those relevant to the subjects you are planning to teach.

Postgraduate opportunities

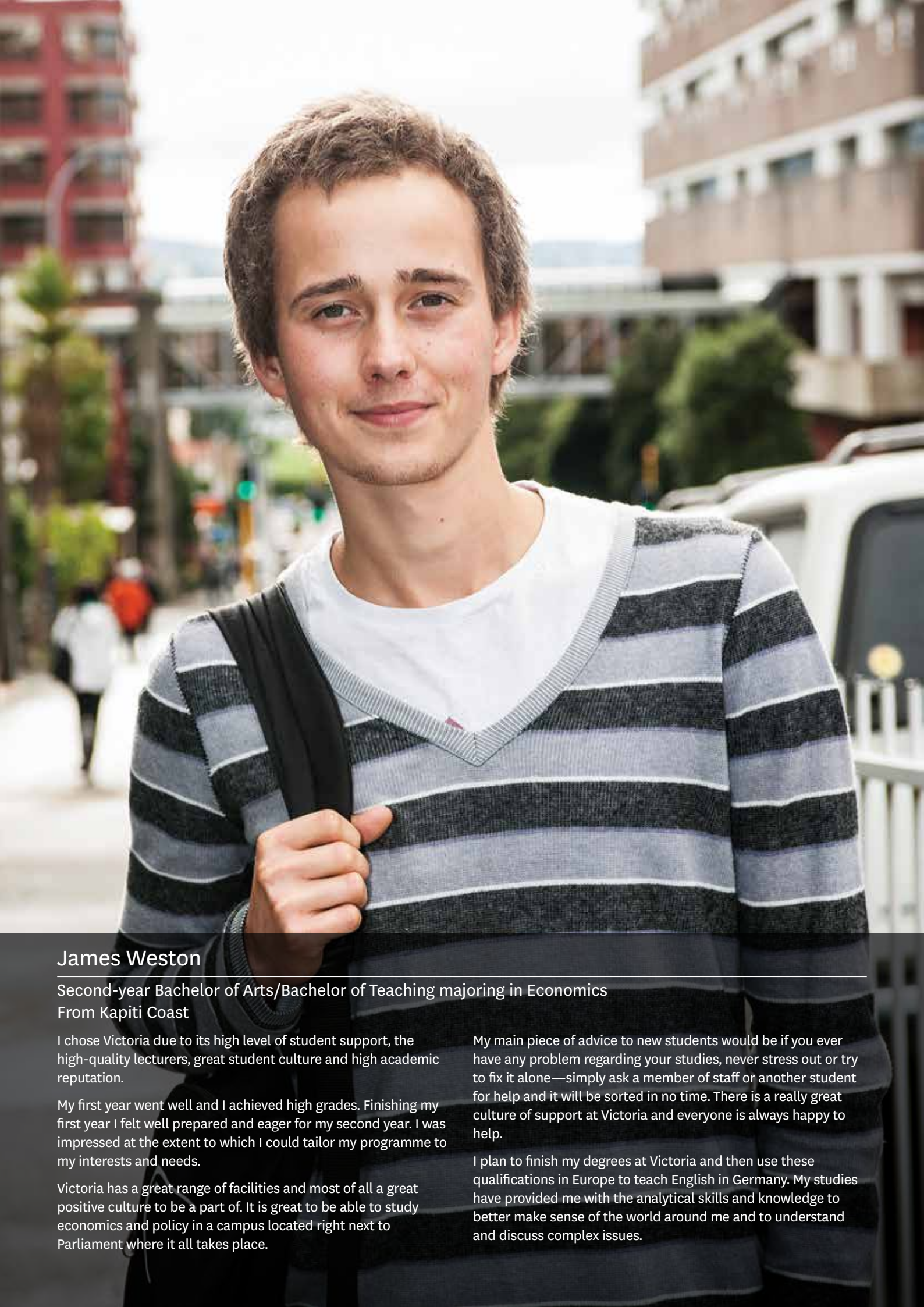
Completion of a teaching programme can lead to further study for the Postgraduate Certificate in Education and Professional Development and the Postgraduate Diploma in Education and Professional Development (PGCertEdPD and PGDipEdPD). The Faculty of Education also offers a Master of Education (MEd) and a PhD.

www.victoria.ac.nz/postgraduate

Potential careers

Graduates are eligible for registration with the New Zealand Teachers Council and to teach in New Zealand primary and secondary schools. The combination of specialist subject knowledge and teaching skills is particularly attractive to employers, not only in schools but also in a wide range of other careers.

www.victoria.ac.nz/careers



James Weston

Second-year Bachelor of Arts/Bachelor of Teaching majoring in Economics
From Kapiti Coast

I chose Victoria due to its high level of student support, the high-quality lecturers, great student culture and high academic reputation.

My first year went well and I achieved high grades. Finishing my first year I felt well prepared and eager for my second year. I was impressed at the extent to which I could tailor my programme to my interests and needs.

Victoria has a great range of facilities and most of all a great positive culture to be a part of. It is great to be able to study economics and policy in a campus located right next to Parliament where it all takes place.

My main piece of advice to new students would be if you ever have any problem regarding your studies, never stress out or try to fix it alone—simply ask a member of staff or another student for help and it will be sorted in no time. There is a really great culture of support at Victoria and everyone is always happy to help.

I plan to finish my degrees at Victoria and then use these qualifications in Europe to teach English in Germany. My studies have provided me with the analytical skills and knowledge to better make sense of the world around me and to understand and discuss complex issues.

Conjoint Bachelor of Arts and Bachelor of Teaching (BA/BTeach)

Degree requirements

Total points required: 540

- Four years of full-time study, including study over three summer trimesters.
- Students must maintain a B– average to stay in the conjoint programme.
- At least 540 points total value, made up of at least 280 points from the BTeach schedule (minimum of 190 points at 200 or 300 level) and at least 240 points from the BA schedule (minimum of 135 at 200 or 300 level).
- Students are required to select two teaching subjects which must relate to two different curriculum areas in the following table. The first subject (degree major) must be from the list shown below, and must be taken to 300 level. The second teaching subject must be from a different curriculum area and taken to at least 200 level. It may be a subject from the list below or from the BSc approved curriculum areas (see page 100).

Please note: Choosing a starred major from the list below or a BSc subject as a second teaching subject may increase your workload and the number of points required. Check your individual programme of study with your Student Adviser.

Subject	Major code
Teaching Primary and Secondary	TCPS

BTeach curriculum area	BA degree subject
Arts	Theatre
English	English Literature
Learning Languages	Chinese, French, German, Japanese, Māori Studies^, Samoan Studies, Spanish, Te Reo Māori
Mathematics	Econometrics^^, Mathematics*, Statistics^^
Social Sciences (specifically Economics, Geography, History and Social Studies)	Economics*, Geography*, History

^Must include Te Reo Māori language courses to at least 200 level.

^^Courses only, not a major.

*Starred majors.

The first year of study

- Students are required to enrol in a total of 135 points in their first year.
- In the first and second trimesters, students enrol in at least 120 points (eg. six 20-point BA courses).*
- In the summer trimester (at the end of the first year), students take EPSY 131 Teaching—What's It All About? (15 points) at Karori Campus.
- The other teaching courses will follow in the second, third and fourth years of study.

*Once you have chosen your two teaching subjects from the table above, check the BA degree pages (46–53) for the major requirements for those two subjects. In most cases, the courses listed in part a. of the major requirements below are what you need to take in your first year to progress in those subjects. To find out details of what a particular course is about and when it is taught, look in the Subject and course information (from page 116).

Required courses

The following courses are compulsory courses for all students doing the conjoint teaching degrees:

- EPOL 132, 133, 134, 231, 232, 233, 234, 324, 325
- EPSY 131, 132, 231, 232, 233, 331
- KURA 135
- plus two from EPOL 361–369, EPSY 322.

The specialisations depend upon your agreed teaching area.

	Trimester One	Trimester Two	Trimester Three
Year 1	3 100-level BA courses	3 100-level BA courses	EPSY 131
Year 2	EPSY 132 2 BA courses	KURA 135 2 BA courses	EPOL 132 EPOL 133 EPSY 231
Year 3	EPOL 234 2 BA courses	EPOL 134 EPOL 231 EPOL 232 EPSY 232 ^See below	EPSY 233 EPOL 233
Year 4	EPOL 324 EPOL 325 EPSY 331 → 2 courses from EPOL 361–369, EPSY 322	2 BA courses EPSY 331 KURA 371*	

^Plus either EPOL 251 Music Curriculum Study 1, EPOL 252 Performing Arts Curriculum Study 1 or EPOL 253 Visual Arts Curriculum Study, if appropriate to your teaching subjects.

*KURA 371 is an optional course for those wishing to teach in bilingual kura and wharekura.

All students should seek academic advice on their individual programmes from the BA/BTeach Student Adviser before enrolling.

Conjoint Bachelor of Science and Bachelor of Teaching (BSc/BTeach)

Degree requirements

Total points required: 540

- Maximum of 215 points at 100 level allowed.
- Minimum of 145 points at 300 level required.
- Minimum of 240 points from the BSc schedule required, of which at least 135 points must be at 200/300 level.
- Minimum of 280 points from the BTeach schedule required, of which at least 190 points must be at 200/300 level.
- Students are required to select two teaching subjects—one subject must be the degree major taken to 300 level and the other to at least 200 level.
- Students must maintain a B– average to stay in the conjoint programme.

Subject	Major code
Teaching Primary and Secondary	TCPS

BTeach curriculum area	BSc subject
Mathematics	Econometrics*, Mathematics, Statistics
Science	Applied Physics, Biology, Biotechnology, Cell and Molecular Bioscience, Chemistry, Ecology and Biodiversity, Environmental Science, Environmental Studies, Marine Biology, Physics
Social Sciences	Development Studies, Environmental Studies, Geography, Physical Geography
Technology	Computer Science, Electronic and Computer Systems

*Courses only, not a major.

The first year of study

- Students are required to enrol in a total of 135 points in their first year.
- In the first and second trimesters, students enrol in at least 120 points (eg. eight 15-point BSc courses).*
- In the summer trimester (at the end of the first year), students take EPSY 131 Teaching—What's It All About? (15 points) at Karori Campus.
- The other teaching courses will follow in the second, third and fourth years of study.

*Once you have chosen your two teaching subjects from the table across, check the BSc degree pages (105-107) for the major requirements for those two subjects. In most cases, the courses listed in part a. of the major requirements below are what you need to take in your first year to progress in those subjects. To find out details of what a particular course is about and when it is taught, look in the Subject and course information (from page 116).

Required courses

The following courses are compulsory courses for all students doing the conjoint teaching degrees:

- EPOL 132, 133, 134, 231, 232, 233, 234, 324, 325
- EPSY 131, 132, 231, 232, 233, 331
- KURA 135
- plus two from EPOL 361–369, EPSY 322.

The specialisations depend upon your agreed teaching area.

	Trimester One	Trimester Two	Trimester Three
Year 1	4 BSc courses	4 BSc courses	EPSY 131
Year 2	EPSY 132 2/3 BSc courses	KURA 135 2/3 BSc courses	EPOL 132 EPOL 133 EPSY 231
Year 3	EPOL 234 2/3 BSc courses	EPOL 134 EPOL 231 EPOL 232 EPSY 232 ^See below	EPSY 233 EPOL 233
Year 4	EPOL 324 EPOL 325 EPSY 331 → 2 courses from EPOL 361–369, EPSY 322	2/3 BSc courses EPSY 331 KURA 371*	

^Plus EPOL 251 Music Curriculum Study 1, EPOL 252 Performing Arts Curriculum Study 1, EPOL 253 Visual Arts Curriculum Study, if appropriate to your teaching subjects.

*KURA 371 is an optional course for those wishing to teach in bilingual kura and wharekura.

All students should seek academic advice on their individual programmes from the BSc/BTeach programme advisers before enrolling.

Degree example—BSc/BTeach, first teaching subject Mathematics, second teaching subject Physics

Year 1			Year 2		
1/3	2/3	3/3	1/3	2/3	3/3
ESCI 111 15 pts	MATH 161 15 pts	EPSY 131 15 pts	EPSY 132 15 pts	KURA 135 15 pts	EPOL 132 15 pts
MATH 151 15 pts	MATH 142 15 pts		MATH 243 15 pts	MATH 308 15 pts	EPSY 231 15 pts
MATH 141 15 pts	MATH 251 15 pts		PHYS 221 15 pts	MATH 309 15 pts	EPOL 133 15 pts
PHYS 114 15 pts	PHYS 115 15 pts			PHYS 209 15 pts	
135 points			150 points		

Year 3			Year 4	
1/3	2/3	3/3	1/3	2/3
EPOL 234 15 pts	EPOL 231 15 pts	EPOL 233 15 pts	EPOL 324 15 pts	MATH 311 15 pts
MATH 211 15 pts	EPOL 232 15 pts	EPSY 233 15 pts	EPOL 325 15 pts	MATH 313 15 pts
MATH 277 15 pts	EPOL 134 15 pts		EPOL 363 15 pts	
MATH 321 15 pts	EPSY 232 20 pts		EPOL 366 15 pts	
			EPSY 331 20 pts	
155 points			110 points	

BTeach course	First teaching subject	Second teaching subject	Elective

Total points required: 540
Total points completed: 550

*Scheduling of courses in trimester and year is under review and subject to change. Contact the relevant Faculty for advice and information.

Bachelor of Science

www.victoria.ac.nz/bsc

FACULTY OF SCIENCE

Phone 04-463 5101
Email science-faculty@vuw.ac.nz
Website www.victoria.ac.nz/science

Science is an adventure. Its discoveries and innovations offer solutions to life's most pressing problems, and give insight into the fundamental structures of the world. Scientists are explorers, looking into the unknown, from the depths of the Antarctic ice sheet to the workings of the human brain.

The Bachelor of Science (BSc) is a three-year undergraduate degree that is your entry point to the international scientific community. As well as having general and specialised subject knowledge, science graduates are expert in problem-solving, teamwork and communication.

Comfortable with the latest technology, graduates are ideally suited to the knowledge economy.

Victoria's scientists are international leaders in areas such as biodiversity, materials science, pure mathematics, marine biology, human geography, forensic psychology, seismology and climate change. Much of this ground-breaking research is carried out in the University's laboratories and in the field. The Science Faculty has produced many successful graduates, including the late Professor Alan MacDiarmid, winner of the Nobel Prize for Chemistry in 2000.

As well as Victoria being ranked first in the latest Performance Based Research Fund quality evaluation, all Faculty of Science disciplines were ranked either first or second.

The School of Psychology was ranked 49 in the 2013 QS World University Rankings.

Victoria was placed in the top 50 universities for Psychology in the 2012 QS World University Rankings.

Wellington has the highest concentration of scientists and science organisations in New Zealand such as the Crown Research Institutes, the Museum of New Zealand Te Papa Tongarewa, ministries and government offices and companies like Weta Digital. These organisations provide valuable work experience and summer internships for Victoria's science students.

Victoria also hosts or has close links with a number of research institutes, including the MacDiarmid Institute for Advanced Materials and Nanotechnology, the Antarctic Research Centre and the Malaghan Institute.

Some students choose to combine a BSc with another degree. Because a number of courses can be credited to both degrees, it is possible for students to complete two three-year degrees in four to five years.

Computer Graphics

In 2012 Victoria introduced the exciting new Master of Science in Computer Graphics, which was developed in close consultation with Wellington's internationally recognised entertainment industries and digital technologies sectors.

To meet the entry requirements for this programme, students will need to complete a BSc with a major in Computer Science and including COMP 308, and a minor in Media Design (BDI) including MDDN 311.

See also page 71 for alternative pathway through the BDI.

Recommended school subjects

It is useful to have studied Science and Mathematics at NCEA Level 3. Some science courses have specific NCEA Level 3 entry requirements while others have no specified criteria. See listings in the Subject and course information (from page 116) for further information.

It may be possible to take courses in Trimester Three if you do not meet the NCEA requirements. See pages 154–155 for MATH 132 and page 124 for CHEM 191.

Postgraduate opportunities

A BSc degree may lead to further study at Victoria at Honours and Master's levels. It is the ideal grounding for a career in any area of science, from biotechnology to theoretical physics. For many careers in science, postgraduate study is a requirement.

www.victoria.ac.nz/postgraduate

Potential careers

A BSc provides the ideal foundation for a career in any scientific area. Graduates may become geologists, physicists, marine scientists, astronomers, policy analysts, teachers, meteorologists or hydrologists, to name a few.

www.victoria.ac.nz/careers

Courtney Jones

Fourth-year Bachelor of Science student specialising in Mathematics and Statistics
From South Africa originally

The reputation of Victoria's School of Mathematics, Statistics and Operations Research really influenced my decision to study at Victoria University of Wellington. I've always been described by others as an analytical thinker and a problem solver. Deciding to study Mathematics was a natural decision for me and really is in line with the type of person I am.

I made the big move to Wellington when I was 17. I remember it being such an exciting time with a new experience waiting at every turn. I felt like I was in control of where my future was going and I gained independence and learnt responsibility. I joined Te Rōpū Āwhina in my first year and haven't looked back since. The support from a mentor in my first year really kept my eyes on the goals I had set myself, and she still reminds me of where I'm going. The support available from Victoria University through the student association has also helped me a lot. I've made great friends with like-minded people by getting involved in tutorials, projects, clubs and groups. University really is a great place to meet a diverse group of people!

Studying in Wellington means that I am in a better place for job prospects once I complete my degree. Victoria's Mathematics programme is taught by leaders in their field who are passionate about what it is they study and really willing to share it with you. You are surrounded by people who are willing to challenge you and help you reach your potential.

You decide what your university experience will be like. If you work hard towards your goals, grab every opportunity with both hands and ask for help when you need it, coming here is something you won't regret.

To me, knowing your mind means having a strong sense of self—of who you are and of where you can go forward with your life. The university experience I've had at Victoria has given me good foundations to work on when progressing in my career in mathematics.

Degree requirements

Total points required: 360

- At least 270 points must be science points; up to 90 points from other degrees can count towards the BSc.
- At least 210 points must be at 200/300 level; of these, at least 150 points must be science points.
- At least 75 points at 300 level must be from science subjects.
- A further 30 points from other degree schedules count as science points if specified in the major subject requirements (eg. for Environmental Studies); note that these 30 points will contribute towards the maximum of 90 points permitted if a second major is included from outside the Faculty of Science.
- A major from outside the science schedule may be permitted as a second major and, in this case, a further 60 non-science points may be allowed (60 + 90 = 150 points maximum).
- No 300-level course can contribute points to more than one major.
- Students may also select up to two minors in undergraduate subject areas offered by the University for the BSc, BA and BCom degrees and not taken as a major.
- A minor comprises at least 60 points from the major requirements (or in the case of commerce subjects, from the relevant subject code) at 200 level or above, of which at least 15 points must be at 300 level and not counted towards a major or another minor.
- At least 15 points of MATH, STAT or PHYS must be included in your BSc programme if not already specified in your major.
- Most majors will incorporate communication into the curriculum to ensure BSc graduates have good skills in this area. Check your school prospectus to determine whether or not you will need to include at least 15 points in courses that demonstrate communication skills.
- Combine a BSc with another degree in four or more years, such as the BCom/BSc conjoint programme, or a BSc/LLB—(see page 38).

Subjects offered

Major	Code
Applied Physics	APHS
Biology	BIOL
Biotechnology	BTEC
Cell and Molecular Bioscience	CBIO
Chemistry	CHEM
Computer Science	COMP
Development Studies	DEVE
Ecology and Biodiversity	EBIO
Electronic and Computer Systems	ELCO
Environmental Science	ENSC
Environmental Studies	ENVI
Geography	GEOG
Geology	ESCI
Geophysics	GPHS
Marine Biology	BMAR
Mathematics	MATH
Operations Research	OPRE
Physical Geography	PHYG
Physics	PHYS
Psychology	PSYC
Statistics	STAT

Major requirements

You must complete major requirements in at least one major subject as listed below. The requirements listed below are the normal requirements for a major, including prerequisite courses; statutory requirements are listed in the Calendar. Many courses have specific prerequisites—check the Subject and course information (from page 116).

In most cases, but not all, the courses listed in a. of the major requirements below are what you need to take in your first year. To find out details of what a particular course is about and when it is taught, look in the Subject and course information (from page 116).

Applied Physics (APHS)

a. MATH 142, 151, PHYS 114, 115
b. 30 points from PHYS 201–299; 30 further points from (ECEN 201–203, MATH 243, 244, PHYS 201–299)
c. PHYS 343; 30 further points from (ECEN 301 or 303; PHYS 301–300); 15 further approved 300-level points in Physics or a related subject

Biology (BIOL)

a. BIOL 111, 113, 114; STAT 193 or equivalent
b. 60 points from BIOL, BMSC or BTEC 201–299
c. 60 points from BIOL, BMSC or BTEC 301–399

Note: The Biology major is not recommended for students wishing to progress into the BSc(Hons) or MSc in Biological Sciences. Students interested in doing this should take one of the other Biological Sciences majors (eg. Biotechology, Cell and Molecular Bioscience, Ecology and Biodiversity or Marine Biology).

Biotechnology (BTEC)

a. BIOL 111, BTEC 101, CHEM 114, 115; one course from PHIL 106, 228
b. BIOL 241, BTEC 201; two courses from (BIOL 236, 244, 252, CHEM 201, 205)
c. BTEC 301, TECH 302; one course from (BIOL 334, 339, 340, CHEM 301, 305)

Cell and Molecular Bioscience (CBIO)

a. BIOL 111, 113, 114, CHEM 114
b. BIOL 241, 243, 244, 252
c. BIOL 339, 340; one course from (BIOL 334, 335, 343, BMSC 354, BTEC 301)

Chemistry (CHEM)

a. CHEM 114, 115; 15 100-level MATH or PHYS points; 15 points from (BIOL 111, BMSC 117, BTEC 101, ESCI 111, 112, ENVI 114)
b. CHEM 201, 202, 203, 205, 206
c. 60 points from (CHEM 301, 302, 303, 305, 306)

Computer Science (COMP)

a. COMP 102 or 112; COMP 103, MATH 161; 15 points from MATH 177, STAT 193 (or QUAN 102)
b. 60 approved 200-level COMP, NWEN or SWEN points
c. 60 approved 300-level COMP, NWEN or SWEN points
d. 15 further points from MATH (except MATH 103, 104, 132), OPRE, STAT or SWEN 224

Development Studies (DEVE)

a. GEOG 112, 212, 312, 316
b. Five further approved courses with significant relevance to Development Studies and/or Development Studies content, comprising:
   (i) one regional-based course and one subject-based course at 100 level
   (ii) one regional-based course and one subject-based course at 200 level
   (iii) one course at 300 level

A list of approved courses is included in the *Geography, Environmental and Development Studies Undergraduate Prospectus*, available at **www.victoria.ac.nz/developmentstudies**

Ecology and Biodiversity (EBIO)

a. BIOL 111, 113, 114, STAT 193
b. BIOL 222, 227, 228, 241
c. BIOL 329; 40 further points from (BIOL 325, 327, 328)

Electronic and Computer Systems (ELCO)

a. MATH 142, 151, PHYS 114, 115
b. COMP 102; 15 points from (ECEN 220, MATH 243, 244); 45 points from (ECEN 201–219, PHYS 217, TECH 203)
c. 60 points from ECEN 301–399

Environmental Science (ENSC)

a. 60 points from 100 level BIOL, CHEM, ESCI, GEOG, MATH, PHYS and STAT, of which STAT 193 and 15 points of MATH must be included
b. ENVI 214; at least 40 points in 200 level BIOL, CHEM, ESCI, GEOG, MATH, PHYS and STAT in addition to that required by the partner major
c. ENSC 301; ENSC 302 or 303; further approved 300-level points to achieve at least 60 points

Degree example—BSc majoring in Ecology and Biodiversity and Statistics

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
BIOL 113 15 pts	BIOL 111 15 pts	BIOL 222 20 pts	BIOL 227 20 pts	BIOL 300 level 20 pts	BIOL 329 20 pts
BIOL 114 15 pts	ENVI 114 15 pts	BIOL 228 20 pts	BIOL 241 20 pts	STAT 300 level 15 pts	BIOL 300 level 20 pts
STAT 193 15 pts	MATH 177 15 pts	STAT 292 15 pts	BIOL 271 20 pts	STAT 300 level 15 pts	STAT 300 level 15 pts
ESCI 111 15 pts	ESCI 132 15 pts		STAT 293 15 pts		STAT 300 level 15 pts
120 points		130 points		120 points	

First major | **Second major** | **Elective**

Total points required: 360
Total points completed: 370

Environmental Studies (ENVI)*
a. ENVI 114, GEOG 111, 112, STAT 193
b. ENVI 214, 222, PUBL 207, one approved 100- or 200-level course
c. ENVI 314 and two approved 300-level courses

Note: A list of approved courses is included in the *Undergraduate Geography, Environment and Earth Sciences Prospectus*, Course Catalogue and at **www.victoria.ac.nz/sgees**

* Major requirements currently under review.

Geography (GEOG)*
a. GEOG/ESCI 111, GEOG 112, GEOG/ENVI 114
b. 60 200-level GEOG points
c. 60 300-level GEOG points

*Major requirements currently under review.

Geology (GEOL)
a. ESCI/GEOG 111, ESCI 112; in addition to the BSc numeracy requirements 15 further 100-level points from {MATH 141–177, PHYS 114 and 115, CHEM (not CHEM 191), STAT 193}
b. ESCI 202, 203, 204, 241
c. ESCI 301, 302, 341, 342; ESCI 303 or 305

Geophysics—Meteorology (GPHS)
a. ESCI 111 or 112; MATH 142, 151, PHYS 114, 115
b. COMP 102; MATH 243 or 244; MATH 251, PHYS 209, 223
c. MATH 322, 323; 30 further 300-level approved points from (MATH, OPRE, PHYS)

Geophysics—Solid Earth (GPHS)
a. ESCI 111 or 112; MATH 142, 151, PHYS 114, 115
b. ESCI 203; MATH 243 or 244; MATH 251, PHYS 209, 223
c. ESCI 305, 344, MATH 323; 15 further approved 300-level points from (MATH, PHYS)

Marine Biology (BMAR)
a. BIOL 111, 113, 114, STAT 193
b. BIOL 227, 228, 271, STAT 292
c. BIOL 370, 371, 372

Mathematics (MATH)
a. MATH 142, 151, 161
b. 60 300-level MATH points
c. 60 further points from MATH 200–399

Operations Research (OPRE)
a. COMP 102, MATH 142, 151
b. OPRE 253; 30 200-level COMP, MATH, NWEN, OPRE, STAT or SWEN points; 15 further 200-level points from the Science schedule or MGMT 206
c. 30 points from (MATH 353, OPRE 300–399); 30 further approved 300-level COMP, MATH, MGMT, NWEN, OPRE, STAT or SWEN points

Physical Geography (PHYG)*
a. ESCI/GEOG 111, ESCI 112, GEOG 112, 114
b. ESCI 202, GEOG 215, 220, 223
c. ESCI 301, GEOG 318, 319, 323 (field course)

Note: In order to meet the BSc numeracy requirement, STAT 193 or an approved MATH course (not MATH 132) is strongly recommended.

*Major requirements currently under review.

Physics (PHYS)
a. MATH 142, 151, PHYS 114, 115
b. MATH 243; PHYS 221, 222, 223; 15 further points from (ECEN 201–203, PHYS 201–299)
c. PHYS 304, 305, 307, 309

Psychology (PSYC)
a. PSYC 121, 122, STAT 193
b. PSYC 232; 45 further 200-level PSYC points
c. PSYC 325; 45 further 300-level PSYC points

Note: From 2014 students will not be able to do a double major in Psychology (PSYC) and Education and Psychology (EDPS).

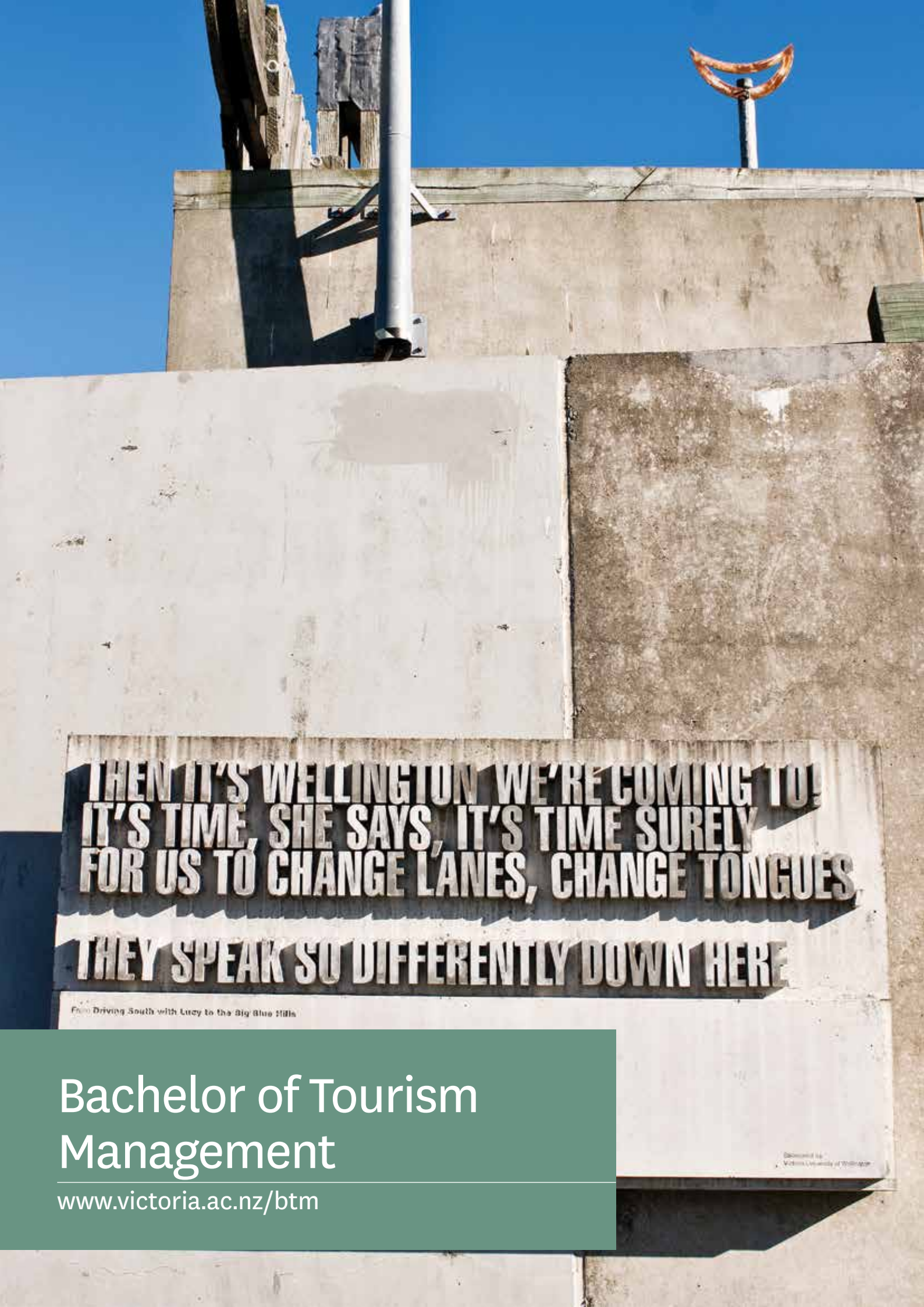
Statistics (STAT)
a. 30 100-level MATH or STAT points
b. STAT 292 or MATH 277; 15 further 200-level MATH or STAT points; 30 further 200-level points from the Science schedule or other approved courses
c. 30 300-level STAT points; 30 further 300-level points (MATH, OPRE or STAT) of which 15 points may be replaced by an approved 300-level course in another subject

Degree example—BSc majoring in Physics, with minors in Mathematics and Operations Research

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
PHYS 114 15 pts	PHYS 115 15 pts	PHYS 221 15 pts	PHYS 222 15 pts	PHYS 305 15 pts	PHYS 304 15 pts
MATH 151 15 pts	MATH 142 15 pts	PHYS 223 15 pts	PHYS 200 level 15 pts	PHYS 307 15 pts	PHYS 309 15 pts
PHYS 132 15 pts	MATH 177 15 pts	MATH 200 level 15 pts	MATH 243 15 pts	MATH 300 level 15 pts	MATH 300 level 15 pts
COMP 102 15 pts	COMP 103 15 pts	GEOG 100 level 15 pts	PHYS 200 level 15 pts	OPRE 200 level 15 pts	PHYS 300 level 15 pts
120 points		120 points		120 points	

Major	Minor	Elective

Total points required: 360
Total points completed: 360



Bachelor of Tourism Management

www.victoria.ac.nz/btm

VICTORIA BUSINESS SCHOOL
Dr Karen Smith, Undergraduate Programme Director, School of Management
Phone 04-463 5721
Email karen.smith@vuw.ac.nz
Website www.victoria.ac.nz/som

Whether they come to bungy jump, take in New Zealand's natural wonders or sip wine in the Wairarapa, international tourists recognise New Zealand as an exciting travel destination. Our tourism industry welcomes more than two million international visitors a year and is the country's second-largest export earner. In the competitive global market, innovative, high-value tourism initiatives have reinforced New Zealand's reputation as an industry leader.

As well as a major worldwide business, tourism is a growing field of academic study and research. A Bachelor of Tourism Management (BTM) is a three-year undergraduate degree that prepares graduates for positions of responsibility and management in the tourism industry. It offers the specialist knowledge and practical skills that employers are looking for, locally and globally. BTM graduates are moving up through the ranks of the tourism industry in New Zealand and overseas.

Victoria's BTM is designed to meet the industry's needs. Its specialist teaching staff are involved in tourism research in New Zealand and abroad, resulting in courses that are relevant, up to date and in touch with international trends.

The University's location gives ready access to policy-makers and industry organisations that contribute to the course with specialised guest lecturers. The BTM offers a well-structured programme of tourism courses, which begins with a systematic introduction to tourism at first year, incorporates diverse aspects of tourism management at second year and proceeds to advanced topics at third year. This core of required courses is combined with electives from a wide range of subjects relevant to tourism management including Marketing, Management, Commercial Law, Accounting, Economics, Human Resource Management and Industrial Relations, Geography, History and languages.

The BTM combines well with other degrees such as a BCom in Marketing, a BSc in Geography or a BA in languages. These conjoint degree programmes take four to five years of full-time study.

Recommended school subjects

These include Economics, Statistics and Modelling, Geography, English, Accounting and languages.

Postgraduate opportunities

A BTM can lead to postgraduate study in Victoria's BTM(Hons) or Master of Tourism Management programmes.

www.victoria.ac.nz/postgraduate

Potential careers

Graduates find employment both in New Zealand and overseas in strategic planning and management, event management, conference coordination, attraction development and ecotourism, and in other fields including human resources and marketing.

www.victoria.ac.nz/careers

Ocean Belcher

Final-year Bachelor of Tourism Management
From Bay of Plenty

Initially I came to Victoria to do a BA, but kind of floundered with what I actually wanted to do. On the first day of my second year I read about the BTM online. It sounded exciting, and was more focused on experience I already had. I had already spent a few years working at ski resorts and in hospitality, and I liked that I could build on previous knowledge to form a deeper understanding of the industry. It turns out I knew next-to-nothing, but it's an industry that gets me stoked, and it makes studying seem nothing like study at all. I also like that the degree programme incorporates commerce and business courses. This, for me, makes it a more diverse degree and means it will be relevant in a variety of industries, not just tourism.

One of my favourite courses in the first year was TOUR 104, Business Environment of Tourism. It's fun to think outside the box, and this class allows this by considering how external forces will shape the future of tourism. Examples include space travel, crazy technological advances and robots.

I'm completing the Victoria International Leadership Programme (VILP) at the moment and have also done a VicOE exchange to the University of Montana in the United States. The exchange gave me the opportunity to study while travelling, and the chance to experience life in another country and see a different culture. It's crazy how much you can grow and change as a person when living abroad. It gives you a whole new perspective on life, and every single day you're learning and seeing new things!

Tourism is such a global topic and I think the BTM is one of those degrees where you really get to consider the 'bigger' picture. Global events—recession, terrorism, climate change or political changes—all impact on tourism. Without an in-depth understanding of how everything in the world interrelates, you would be missing a crucial element in understanding the business environment within your own bubble. I think the most valuable understanding I've taken from this is the interconnectedness of tourism with the world.

On a broader level, I think studying in general really just makes you more conscious of the world around you. You read about all these interesting topics that previously you had no understanding of, and it really broadens your mind.

Degree requirements

Total points required: 360

- Typically requires 20 or 21 courses.
- At least 180 points required at 200/300 level (at least one more elective on top of the required courses in the table below).
- At least 75 points required at 300 level.
- Up to 180 points may be cross-credited between the BTM and another degree if taken simultaneously as a conjoint programme, or up to 120 points may be transferred to the BTM from a completed degree.
- Work experience through the practicum in the second or third year of study.
- You can include language or cultural courses as part of the BTM.

Majors

Subject	Major code
Tourism Management	TOUR

First-year students normally take the 100-level introductory courses below. They may also include courses from the Additional courses list (right). To find out details of what a particular course is about and when it is taught, look in the Subject and course information (from page 116).

100 level (introductory courses)

Core Tourism courses:
TOUR 101
TOUR 104
TOUR 108
Three commerce electives from: ACCY 111*, COML 111, ECON 130, INFO 101, MARK 101, MGMT 101, QUAN 102

*Or ACCY 130

200 level

Core Tourism courses:
TOUR 230
TOUR 240
TOUR 250
Two commerce electives from: ACCY 223, COML 203, ELCM 211 or 251, HRIR 201, IBUS 201, INFO 201, 221 or 321, MARK 203, 204 or 214, MBUS 203, MGMT 202 or 205 or 206, PUBL 201 or 207, QUAN 201

300 level

Tourism courses:
TOUR 320 and at least three other TOUR 300-level courses
Additional courses worth at least 90 points (including at least 15 points at 200 level or above) must be chosen from the BCom or BTM schedules to give a total of 360 points for the degree. These can be: - further selections from the commerce electives listed above, or - any other BCom or TOUR courses, or - any courses from these (or other approved) subject areas: ANTH, ASIA, CHIN, DEAF, ENVI, EURO, FREN, GEOG, GERM, HIST, ITAL, JAPA, MAOR, PASI, POLS, SPAN.

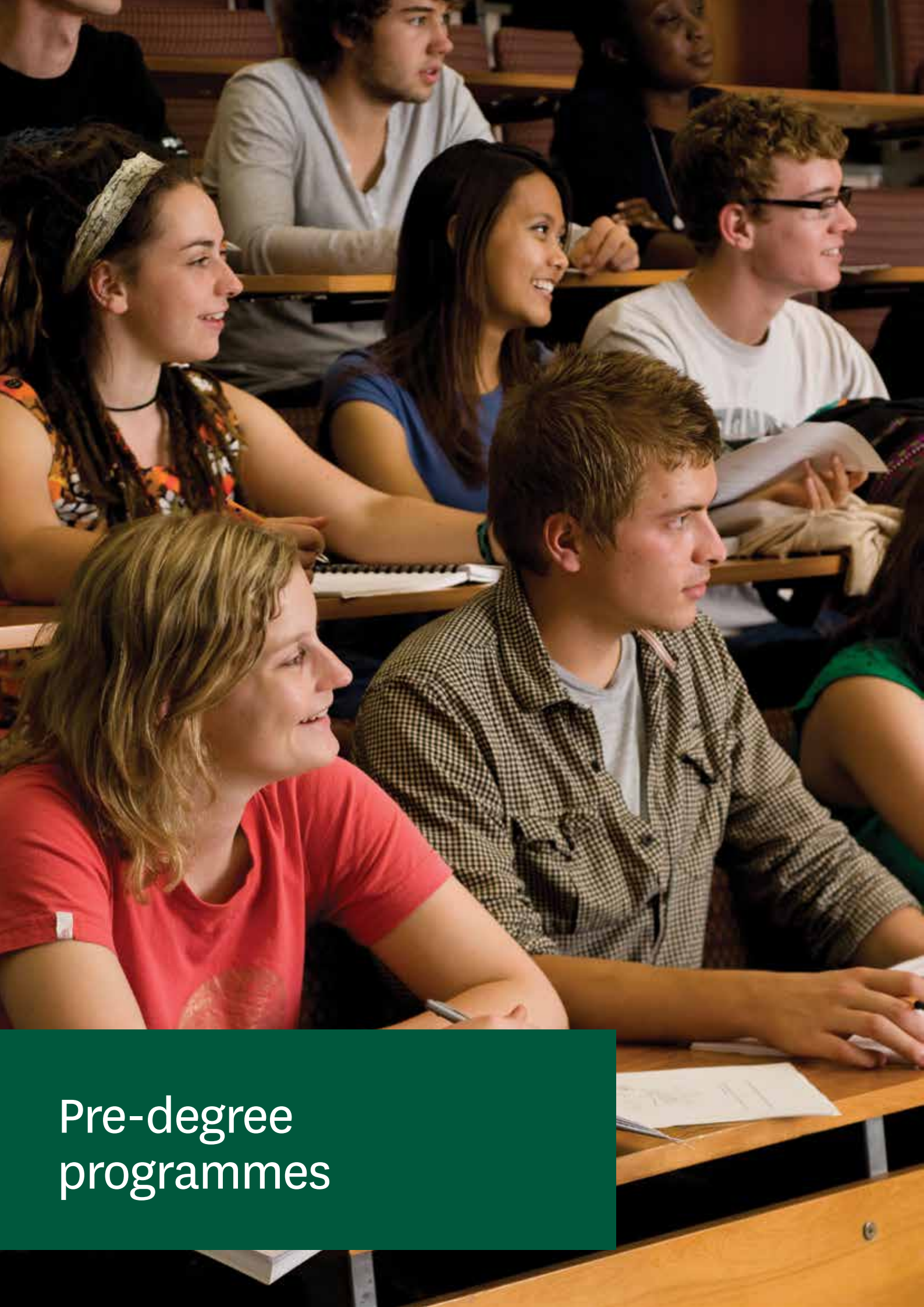
Note: If you are doing a BA, BCom or BSc, you can do a minor in Tourism Management by including in your programme at least 60 TOUR points at 200 level or above, including one 300-level course.

Degree example—Bachelor of Tourism Management

Year 1		Year 2		Year 3	
1/3	2/3	1/3	2/3	1/3	2/3
TOUR 101 20 pts	TOUR 108 20 pts	TOUR 240 20 pts	TOUR 230 20 pts	TOUR 320 15 pts	TOUR 300 level 20 pts
TOUR 104 20 pts	MGMT 101 15 pts	MARK 101 15 pts	TOUR 250 20 pts	TOUR 300 level 20 pts	TOUR 300 level 20 pts
SPAN 111 20 pts	SPAN 112 20 pts	INFO 101 15 pts	MARK 200 level 15 pts	MGMT 200 level 15 pts	MARK 200 level 15 pts
	FCOM 111 15 pts		HRIR 201 15 pts		ECON 130 15 pts
130 points		120 points		120 points	

Core course | **Commerce elective** | **Other elective**

Total points required: 360
Total points completed: 370



Pre-degree programmes

Some students may not be ready for degree-level study straight away. Victoria currently offers a number of preparatory programmes that are designed to prepare students for degree-level study.

You may also wish to undertake pre-degree study at another tertiary institution—for advice on what will meet our admission requirements, contact our Admission Office.

Foundation Certificate in Jazz

The Foundation Certificate in Jazz, offered by the NZSM, is an 18-week full-time intensive programme for students preparing for entry to the BMus in Jazz Performance. It will introduce you to basic musicianship, jazz history, theory and improvisational skills as well as computer literacy skills. You will also have individual tuition on your chosen instrument. It does not provide University Entrance.

Students must have completed Year 12 of secondary school or have equivalent life experience.

Requirements

To complete the Certificate, students must complete NZSM 001–006 (a total of 72 points).

How to apply

See **www.nzsm.ac.nz/study/pre-tertiary** for further details. You will be required to attend an audition in support of your application.

Courses

NZSM 001 **15 POINTS (1/3)**
Musicianship Studies
Sight-reading helps develop competency in reading melodies, harmonies and rhythms on both the keyboard and an instrument of the student's choice; ear training develops students' skills in aural perception; rhythm workshop develops students' skills in timekeeping and increases awareness of the importance of rhythm in music; and Keyboard Lab covers basic keyboard skills to assist students with the concepts of theory and improvisation.

NZSM 002 **15 POINTS (1/3)**
Theory and History Studies
Jazz Theory provides a knowledge of basic music theory to assist students in improvisation and sight-reading on their chosen instruments and the keyboard. Jazz History develops students' knowledge of different jazz styles in their social and cultural context. The rhythmic, harmonic and melodic devices specific to each period of jazz history are explored.

NZSM 003 **6 POINTS (1/3)**
Computing Skills
This paper provides basic computing skills that are relevant to the music industry. In addition to word processing and spreadsheet management, students are introduced to music software.

NZSM 004 **15 POINTS (1/3)**
Instrument Study
This paper develops students' knowledge of, and technical facility on, their instrument through individual tuition and practice.

NZSM 005 **15 POINTS (1/3)**
Performance Studies
Jazz Improvisation develops competence in improvising over chord progressions and explores principles of improvisation; Combo develops students' understanding of ensemble playing and the roles of their instrument in performance situations; and Performance Workshop builds skills in fundamental areas of performance and performance analysis.

NZSM 006 **6 POINTS (1/3)**
Communication Skills
This paper develops students' understanding of the basic elements of communication and builds learning and self-motivational skills. Students are assisted to develop strategies that promote effective writing, speaking, research and interpersonal skills.

Certificate in Foundation Studies

This intensive eight-month programme is designed to give international students the academic skills and English language practice needed to gain entry to university and to succeed in their studies. The programme is run over two trimesters at Karori Campus and starts three times a year—in March, July and November.

Successful completion of the Certificate in Foundation Studies will guarantee admission to the first year of any degree programme at Victoria University. The Certificate is also recognised as an entrance qualification by other New Zealand universities.

Requirements

The Certificate in Foundation Studies is made up of six courses taken over two trimesters (eight months).

A FNDN 001 (to be taken in your first trimester)
B FNDN 011 (to be taken in your second trimester)
C Four more courses from the list below, including at least one of FNDN 004, 005, 025

How to apply

Apply for this programme through Victoria International.

VICTORIA INTERNATIONAL

Phone 04-463 5350
Email foundation-studies@vuw.ac.nz
or rinnie.bruinsma@vuw.ac.nz
Website www.victoria.ac.nz/international/study-options/foundation

Courses

FNDN 001 **20 POINTS (1/3, 2/3, 3/3)**
Academic Writing
This intensive core course is for ESOL students who wish to study at university, and covers: reading and listening to complex information; how to be active in discussions; expressing complex ideas through speech and writing; formal presentation; note-taking; writing a researched essay; critical thinking; ethical study practices; using the library; and personal time-management.

FNDN 003 **20 POINTS (1/3, 2/3, 3/3)**
Commerce and Economics
An introduction to economic theory and to analytical techniques used in modern economics as a preparation for studies in economics and commerce at a first-year university level. The course is made up of theory and practical applications including analysis and problem-solving, with an emphasis on the New Zealand economy.

FNDN 004 **20 POINTS (1/3, 2/3, 3/3)**
Politics and Government
In this course, students are given the opportunity to develop their spoken and written skills in the English language. Emphasis is placed on critical thinking as students gain an understanding of New Zealand's society and its democratic political system. As the course progresses, they are encouraged to analyse and reflect on political concepts and events, leading to the knowledge and skills necessary for success in first year studies at a New Zealand university.

FNDN 005 **20 POINTS (1/3, 2/3, 3/3)**
Modern New Zealand Literature
This course introduces New Zealand culture and society through the study of New Zealand literature, and further develops English language skills through a study of poetry, the novel and the short story.

FNDN 006 **20 POINTS (1/3, 2/3, 3/3)**
Statistics
This course provides students with a general introduction to the study of algebra and statistics in English.

FNDN 011 **20 POINTS (1/3, 2/3, 3/3)**
Research and Writing
This course aims to equip students with research and report-writing skills. The course will provide opportunities for listening to, reading and evaluating authentic university materials. There will also be a focus on independent learning and critical thinking.

FNDN 020 **20 POINTS (1/3, 2/3, 3/3)**
Computing Technologies
This course provides students with the skills required for undergraduate study in Computer Science and related disciplines. Students will work with some specialised applications, undertake web page development and learn basic programming.

FNDN 021 **20 POINTS (1/3, 2/3, 3/3)**
Accounting
An introduction to general concepts, terminology and methodology used in accounting. Areas covered include accounting principles, language and reports, recording transactions, preparing financial statements, their analysis and interpretation and a brief introduction to management accounting and decision-making.

FNDN 022 **20 POINTS (TBC)**
Physical Science
An introductory course in physics and chemistry, with a focus on laboratory work, the language of science in English and scientific processes. This course prepares students for further study in a wide range of university physical science courses.

FNDN 023 **20 POINTS (1/3, 2/3, 3/3)**
Mathematics
This course is a continuation of study in algebra, calculus and statistics in preparation for entry to university courses in mathematics, business, science and technology. The course includes the development of the language of mathematics in English as well as developing mathematical skills and knowledge.

FNDN 024 **20 POINTS (1/3, 2/3, 3/3)**
Design
This course will introduce a range of skills relevant to further studies in architecture and design. The course content includes freehand drawing skills and techniques, an introduction to the history of architecture, and developing the students' understanding of design practice through the preparation of course projects, including poster and small book design. Computer graphics using Photoshop are also taught.

FNDN 025 **20 POINTS (1/3, 2/3, 3/3)**

Modern History

This course provides an introduction to the key themes in New Zealand's history, and setting these in an international perspective. Students will learn how these have shaped New Zealand today. These themes include race relations, migration, the role of the state, New Zealand and the world, gender issues and protest.

FNDN 028 **20 POINTS (1/3, 2/3, 3/3)**

Special Topic: Science

This course is designed to give an introduction to science, which includes Physics, Biology and Chemistry. This course is intended primarily for students wishing to pursue an undergraduate study in any science field.

FNDN 029 **20 POINTS (TBC)**

Biological Science

An introductory course in biology and chemistry, with a focus on laboratory work, the language of science in English and scientific processes. This course prepares students for a wide range of university biological and biomedical science courses.

Tohu Māoritanga

The Tohu Māoritanga/Diploma in Māoritanga is designed to provide students with a foundation in Māori language, culture and society as well as supporting the development of academic study skills needed for tertiary study. A University Entrance qualification is not required. The Tohu Māoritanga can be completed in one full year of academic study (February–November). All students who apply for the Tohu Māoritanga will be required to complete a written assessment and an interview to determine their suitability for the programme. When completed, students may be permitted to cross-credit up to 80 points towards a BA degree at Victoria. Students must complete and pass the Tohu Māoritanga before enrolment in any other degree programme will be permitted.

Contact

Phone 04-463 6668
Email **course-advice@vuw.ac.nz**
Website **www.victoria.ac.nz/maori/study/tohu-maoritanga**

Requirements**

A MAOR 804*, and at least two of MAOR 801–803
B MAOR 101 and 102, or MAOR 111 and 112, and
C at least two of MAOR 122, 123, 124, 212, 213, 214, 216

*The Head of School of Māori Studies may exempt from MAOR 804 a student with the required study skills.

**Qualification currently subject to review.

Courses

MAOR 801 **18 POINTS (1/3)**

Te Tū Marae/Marae Practice

A practical placement course based at Te Herenga Waka Marae. Students will learn about marae procedure, customs and organisation through participation in marae activities and work. The course is aimed at developing competence in the operation of a marae and in using language appropriate to it.

MAOR 802 **18 POINTS (1/3)**

Waiata Tawhito/Waiata Performance

A practical placement course based at Te Herenga Waka Marae. It focuses on the study and performance of various waiata used in both the front and back of the marae.

MAOR 804 **9 POINTS (1+2/3)**

Whakakokoi Mātauranga/Academic Study Skills

This course focuses on writing skills, note-taking techniques, essay writing skills, exam requirements, processes and procedures, use of libraries, library information and technology, presentation of work, some study techniques and an introduction to Victoria University and the School of Māori Studies.

For MAOR 101, 102, 111, 112, 122, 123, 124, 212, 213, 216 information, see page 152.