Welcome to Swinburne
The qualifications
Why students choose Swinburne
Swinburne’s campuses
Student life at Swinburne
Living away from home
Courses by study area
15 Applied and Industrial Sciences
18 Building and Construction
20 Business, Innovation and Management
28 Computing and Information Technology
33 Design
36 Engineering and Technology
45 Health and Human Services
51 Hospitality and Tourism
53 Multimedia
57 Social Sciences and Arts
60 Visual and Performing Arts
62 Preparatory, Bridging and Support Programs
Course index
64 Course index
Glossary
Advanced Standing
Where a student is able to gain credit for subjects in a course through recognition of completed prior studies, which enables them to enter a course with ‘advanced standing’.
Articulation
With Swinburne’s integrated curriculum, students can move (or articulate) between many TAFE and university courses.
Bachelor Degree
An undergraduate award requiring a minimum of three years study.
Course
A program of study, which when satisfactorily completed, leads to the award of a certificate, diploma or degree.
Credit Transfer
Where a student is granted exemption from particular course requirements in recognition of previous studies.
Double Degree
The study of two Bachelor degrees, usually requiring four to five years to complete.
Distance Learning
Courses that do not require students to attend classes on campus.
Dual Award
The study of two ‘integrated’ courses, usually a Bachelor degree and an Advanced Diploma.
Elective
A subject that is not a core part of a course, but which may be undertaken and credited towards the course.
ENTER
Equivalent National Tertiary Entrance Rank, percentile ranking showing an applicant’s comparative placement in their VCE age group in that year on the basis of their VCE studies.
Graduate
A person who has satisfactorily completed all the requirements for their qualification.
HECS
A fee charged by the Federal Government as a contribution towards the education of all students enrolled in undergraduate courses.
Industry-Based Learning (IBL)
An optional program in which students are placed in paid, supervised employment as part of their degree.
Lecture
A one to three hour class where the lecturer addresses a topic relevant to a course.
Major
A specialisation that makes up a major component of a course.
Minor
A specialisation that makes up a minor part of a course.
Pathways
A TAFE–university credit transfer scheme. It allows students to gain credit towards another study.
Postgraduate Studies
Further study at a higher level than a bachelor degree. Eligibility for entry to a postgraduate course normally requires the completion of an approved undergraduate degree.
Prerequisite
Prescribed studies that must be completed to be eligible for a course (generally applies to Year 12 students).
Recognition of Prior Learning (RPL)
Where a student is granted credit or partial credit towards a qualification in recognition of their current competencies, which may have been gained through education, training, or work and life experience.
Semester
A defined study period within an academic year which commences with the teaching period and concludes at the end of the assessment period. Normally there are two semesters in a year. There is also a Summer Semester that runs from December to February but not all subjects are available for study over this period.
TAFE
Providers of Technical and Further Education courses.
Tertiary Studies
Studies undertaken at a higher level than secondary schooling.
Tutorial
A small class where students discuss issues raised in a lecture, with a tutor. The tutor is either an academic or postgraduate student.
Undergraduate Studies
Studies that form part of a bachelor degree.
University
Institution of higher learning authorised to grant degrees.
Welcome to Swinburne

In this course guide you will find details about the wealth of opportunities available at Swinburne, in the form of courses that span the whole range – from pre-apprenticeships to degrees.

Flexibility is the hallmark of Swinburne’s approach to education, and we offer you many choices, not only between programs, but within them.

We are building learning environments that will allow you to choose the time, place, pace and mode of learning that best suits your circumstances and preferences. Our courses are delivered using both the latest educational technologies and face-to-face interaction.

Swinburne courses are designed to prepare graduates to live and work in the contemporary world, which is characterised by higher levels of interaction between economies and societies, and higher levels of innovation and entrepreneurial ventures.

We are building international experience into our courses wherever possible, and offer many options for studying in an overseas location.

We also aim to give our students the capability to choose, when the time comes to graduate, whether to seek employment with an existing organisation, or to go out and found a new venture, and employ others!

For further information about the University, please visit our website at: www.swin.edu.au

We trust you will make wise choices and enjoy your time at Swinburne.

J G Wallace
Vice-Chancellor
The qualifications

**University courses (Higher Education)**

**Bachelor Degrees**
Degree courses require a minimum of three years full-time study (or equivalent part-time) and provide students with a professional qualification. Entry usually requires satisfactory completion of the Victorian Certificate of Education (VCE), and in some cases certain prerequisite studies, or their equivalent, or an appropriate level of TAFE studies. Many degrees at Swinburne offer an optional Industry-Based Learning (IBL) year, education abroad opportunities and an additional specialised Honours year. A number of Double Degree courses are also available.

**Dual Qualifications**
Swinburne’s Dual Qualification programs combine three-year degree programs with two-year TAFE diplomas. This enables students to complete the two courses at the same time, providing graduates with two qualifications on completion. Dual Qualifications generally take four years full-time study.

**Postgraduate Courses**
Postgraduate courses may be undertaken after completion of a Bachelor Degree or extensive work experience in the relevant field, usually in a specialised area. Call the Course Information Hotline for a copy of the Postgraduate Course Guide or visit www.swin.edu.au/coursefinder for details on postgraduate programs.

**TAFE courses**

**Advanced Diploma**
An Advanced Diploma is the highest level TAFE qualification, requiring two to three years of full-time study (or equivalent part-time). Entry varies between courses.

**Diploma**
Normally two years of full-time study (or the equivalent part-time). Entry is based on successful completion of the VCE or relevant industry experience.

**Certificate IV**
Normally one year of full-time study (or the equivalent part-time), which can lead to the Diploma. Entry is based on successful completion of the VCE or relevant industry experience.

**Certificates I – III**
Courses vary in length and may include basic employment and preparatory skills, broad based induction skills and/or workplace skills at a basic level.

**Apprenticeships and Traineeships**
Certificate courses that have formal employment agreements and involve on-the-job training.

The **University and TAFE Course Guide** provides an overview of the undergraduate courses available at Swinburne, including Bachelor degrees and TAFE certificates and diplomas.

To locate a specific course, consult the Course Index on pages 64 to 72, and identify the course title and page reference you require. Alternatively, choose one of the colour coded study areas listed below.

- Applied and Industrial Sciences
- Building and Construction
- Business, Innovation and Management
- Computing and Information Technology
- Design
- Engineering and Technology
- Health and Human Services
- Hospitality and Tourism
- Multimedia
- Social Science and Arts
- Visual and Performing Arts
- Vocational Preparatory Education

If you require more detailed information:
- visit the CourseFinder website at: www.swin.edu.au/coursefinder
- telephone the information hotline on 1300 368 777;
- come to the Swinburne Expo at the Royal Exhibition Building, Carlton Gardens, on Sunday 31 August, between 10.00am and 4.00pm.

**CourseFinder** is Swinburne's searchable course and subject database, which contains detailed, up-to-date information on all our courses and subjects. It enables users to browse all courses and subjects, perform a simple study area or keyword search, or refine their search to include detail such as preferred campus, type of qualification, and study mode eg. full-time, part-time or online.

Visit CourseFinder at: www.swin.edu.au/coursefinder
Why students choose Swinburne

You’re approaching a very important time in your life and decisions must be made. There are many courses to study at many different institutions.

■ Why choose Swinburne?
■ What are the benefits of studying here?
■ What will set you apart from students at other universities when you seek employment?

Here are a number of reasons why you should seriously consider studying at Swinburne.

Entrepreneurship and Innovation
Swinburne aims to become a renowned centre for entrepreneurship and innovation. Entrepreneurship and innovation will be a hallmark of everything we do. We will prepare you to participate in the new economy and society of the twenty-first century and heighten your awareness of, and capacity to make the choice between, employment and self-employment.

We do this by emphasising the following strategies:
■ creating an inspiring culture of creativity and innovation throughout the University;
■ building a general learning environment conducive to innovation and entrepreneurship;
■ making available to all students subjects in, and content relating to, innovation and entrepreneurship.

It was the need for a proper business plan that initially attracted Sally Chan to Swinburne’s Advanced Diploma of Business (Marketing).

After running a dog-training business for ten years, Sally knew first-hand the need for a dog day-care centre and so her business Dog Zone was born – now catering for up to fifty-five pampered pets.

Sally’s concept was also rewarded with a $10,000 boost from the Swinburne Venture Cup, a competition recognising the best business plans from Swinburne students.

“My lecturer really encouraged me to enter the Cup and I’m glad I did – it gave the business a good start.”
Flexible learning and teaching

Swinburne aims to build optimal learning environments throughout the University. These learning environments will develop in students their innate capacities for creativity and deep learning, and will be characterised above all by flexible learning and a more learner-centred approach.

We will achieve these goals through a variety of major strategies including:

Distance Learning

Swinburne TAFE Distance Learning provides you with hard-copy learning resources, for study at home towards a nationally recognised Certificate, Diploma or Advanced Diploma qualification. A tutor provides regular feedback on assignments.

Areas of available study include:

- Banking and Finance
- Estate Agency Practice
- Fire Technology
- Legal Practice
- Conservation and Land Management
- Real Estate for Agents’ Representatives
- Renewable Energy Technology
- Small Business Management
- Writing and Editing

For further information refer to the individual entries in this course guide, or contact Flexible Delivery Systems on (03) 9213 6831 or visit our website at: www.tafe.swin.edu.au/rln/distlrn/index.html

Industry-Based Learning

Industry-Based Learning (IBL) is the cornerstone of many academic programs at Swinburne. By participating in our IBL program you will gain supervised professional work experience which complements your university studies.

Research at Swinburne shows that, compared with other students, IBL graduates:

- Have a higher graduate starting salary.
- Have a higher level of responsibility in their first graduate job.
- Secure a job faster than their non IBL counterparts.
- Often return to their IBL employer on completion of their degree.

For further information visit the IBL website: www.swin.edu.au/corporate/ili

Working as a ranger in Gippsland meant Jonathan Lilley needed to keep abreast of environmental issues, prompting him to study Swinburne’s Diploma of Conservation and Land Management* via Distance Learning.

“Distance Learning made it convenient for me to learn without the hassle of commuting. I got regular feedback from tutors about assignments which was good.”

“Now I’ve got a diploma and I have the confidence and knowledge to speak about a variety of environmental issues.”

Even though Jonathan completed the Diploma via Distance Learning, he still took advantage of completing practical work experience.

“It was incredibly valuable and I would encourage anybody doing the course to get as much practical experience as possible, whether in projects or as a volunteer.”

*Formerly the Diploma of Natural Resource Management
Louise Merlino knew that a Bachelor of Business at Swinburne had a powerful advantage – the IBL.

“IBL’s great because it gives you real practical, paid experience. You work on real projects and have so many opportunities.”

Working for AMCOR as a business systems assistant, Louise developed new quality procedures and standards and dealt with customer complaints. She even went on business trips around regional Victoria, logging quality defects and liaising with customers.

As well as the year’s experience, Louise was given ongoing part-time work and a chance to complete a project she had worked on during her IBL.

“I worked on quality procedures and standards for AMCOR’s factory workers, and I’ve been able to continue with that as a part-time employee, which is great. IBL opened my eyes to the range of job possibilities.”

James Ellis chose Swinburne because of its excellent reputation for Information Technology courses, but once he was at Swinburne he discovered even more perks.

“Going overseas has definitely been a highlight of coming to Swinburne. It gives you a chance to meet heaps of new friends, but also to learn about a different culture while you’re studying.”

James said Swinburne was a great help in planning the trip. “Education Abroad was really supportive and helped organise the trip.”

James’ trip just happened to be a three-week study tour in the idyllic surrounds of Crete in Greece.

“It was a fantastic experience, I really enjoyed it. Now that I’ve been at Swinburne for two years, I can honestly say the best part about studying here has been the fantastic people I have met and all the opportunities that have opened up.”

Internationalisation

Swinburne aims to become known as one of Australia’s most internationalised universities. All students are able to gain international experience through the curriculum and through direct exposure to international environments. In a sense, every Swinburne student will be an international student.

Education Abroad – your ticket to a world of study opportunities

Imagine the excitement and challenges of studying one or two semesters of your degree overseas. As a Swinburne student, you will have the opportunity to study part of your degree in over nineteen countries all over the world including North America, and countries in Europe, and Asia.

You’ll gain full credit for your overseas study, so your course won’t take any longer, and we can even help you obtain travel grants and travel scholarships. Better still, if you participate in an exchange with one of Swinburne’s overseas partners, your tuition is covered by HECS.

Our exchange partners offer a diverse range of subjects, many taught in English, so you will be sure to find something that takes you to the country of your choice and is compatible with your degree.

Take your degree one step further and give yourself a competitive edge when you graduate.

For further information, visit the Education Abroad website at: www.swin.edu.au/edabroad
Intersectoral advantage
As an intersectoral university, Swinburne is able to capitalise on the advantages presented by operating at both the TAFE, and the Higher Education levels, by providing students with an advanced credit transfer system, known as the Pathways program.

Pathways
If you are interested in continuing your formal education, the Swinburne Pathways program will ensure you get the maximum benefit from your previous studies.

Whether you are coming from school, Swinburne TAFE, another TAFE institute or university, credit transfer Pathways are in place to help you enter the right course at the appropriate level.

The development of Pathways has made it easier than ever before to move between courses offered by TAFE and by the University.

For further information visit the Credit Transfer website at: http://pandoraplus.swin.edu.au/credit/StudentCredit/index.cfm

James Hyndman is proof that VCE results don’t have to dictate your destiny.

“I didn’t get the marks I was hoping for so I decided to do an Advanced Diploma in Business (Marketing), and I don’t regret it. The TAFE course was highly relevant and practical, and based on what I always wanted to do. After two years, I transferred into the second year of the Bachelor of Business.”

“If you have a vision of where you want to be, then you shouldn’t see your VCE results as the be all and end all. Starting out at TAFE means you get practical knowledge of your preferred career.”

With a keen interest in marketing and management, James’ majors during his Business degree, he was grateful for a chance to apply them in an IBL year with a marketing department in a large organisation.

“I developed so many skills during my IBL year like problem solving and communication, and also specific marketing techniques. It was a great experience.”

Australian Qualifications Framework <www.aqf.edu.au>
Research

Swinburne is one of the few universities in Australia that offers a range of qualifying programs covering TAFE, Higher Education and Postgraduate Research.

In a dynamic university, such as Swinburne, much of the material being addressed in undergraduate courses today was only recently the subject of frontline research and development. It is this interaction of teaching, learning and research that defines the spirit of a true university.

Research is about exploring the unknown. The urge to satisfy curiosity, to expand our basic knowledge and to apply this knowledge to the creation of new products, processes and services, is what research at Swinburne is all about.

A few of the areas under investigation at Swinburne include:
- millisecond pulsar astronomy utilising one of the largest supercomputers in Australia;
- probing the course of a chemical reaction in real-time with the femtosecond laser spectrometer;
- understanding the dynamics of the human brain;
- creating machines so small they would fit on a pinhead;
- understanding complex social issues such as Housing, Asian Politics and the meaning of Citizenship;
- understanding the way large businesses organise themselves;
- developing the science behind natural therapies.

If you think research is for you, examine some of the innovative undergraduate courses which are designed to lead to a research within this Course Guide.

Katherine Wheeler already feels ‘equipped for the future’ now that she is in her final year of the Bachelor of Science (Research and Development)/Engineering (Electronics and Computer Systems).

“I really like the course’s research focus, every semester you get to work on projects, even in first year.”

For Katherine, a highlight of her fourth year research project was a chance to step outside the sphere of her science/engineering degree and learn more about psychology.

“I worked on developing computer software to analyse children’s drawings. I didn’t know much about psychological analysis so it was a steep learning curve.”

“There are many different scoring systems that analyse the lines and patterns in a child’s drawing. Software programs could make the analysis more consistent for psychologists.”

Currently the software mathematically analyses patterns and lines in a drawing, but Katherine is building qualitative analysis into the software. “This software can potentially improve the way psychologists analyse children’s neurological function – it’s a very practical project.”
Croydon campus
12–50 Norton Road
Croydon Vic 3136

Croydon offers TAFE diploma and certificate courses in the areas of business and management, computing and information technology, electronics, hospitality and tourism, and health and human services. It also offers pre-apprenticeship and apprenticeship courses in building and construction, and a wide variety of short courses.

Hawthorn campus
John Street
Hawthorn Vic 3122

Swinburne's original campus at Hawthorn, located seven kilometres east of Melbourne, is home to the University’s central administration, and offers a wide range of undergraduate and postgraduate programs, TAFE courses and short courses. It is also the site of many of Swinburne's research and training centres. At Hawthorn it is possible to do everything from a pre-apprenticeship to a PhD.

Healesville campus
237 Maroondah Highway
Healesville Vic 3777

Situated at the top end of the Yarra Valley, Swinburne’s Healesville campus offers a wide range of courses and subjects to meet community needs. There is a special focus on small business, computing and office administration. Courses in horticulture, agriculture, art and design, indigenous studies and tourism are also offered.

Swinburne’s international campuses

Swinburne National Economics University (NEU), Hanoi and Ho Chi Minh City, Vietnam

Swinburne Tummasiri Chonburi, Thailand
www.swinburne.ac.th/

Swinburne Sarawak Institute of Technology
Kuching, East Malaysia
www.swinburne.edu.my/
The Lilydale campus is the newest face of Swinburne, and offers TAFE, undergraduate and postgraduate courses. The campus is small, ensuring a friendly and supportive environment where students can easily get the help they need. Campus facilities are growing, and include a “Student Village”, ‘Mitchell’s View’ training restaurant, and a new building containing a second lecture theatre and multimedia and design labs.

Prahran campus is home to the renowned National School of Design, which offers a range of graphic, industrial, interior, and multimedia design courses at undergraduate and postgraduate level. Prahran also runs TAFE programs in a range of areas such as business, social sciences, visual and performing arts, and hospitality. A large number of short courses are offered in the areas of entertainment, arts, language, fitness, business, computing and information technology.

The Wantirna campus houses the central administration of Swinburne’s TAFE Division. It offers diploma and certificate courses in the areas of art and design, automotive, business and management, computing and information technology, engineering and electronics, horticulture, and health and human services. Short courses in a wide range of subject areas are also offered in either day or evening time slots.

Swinburne's virtual campus tour
www.swin.edu.au/campus_tour
Student life at Swinburne is not just about lectures, study and exams. Take time out, have some fun. There are a whole range of events and activities, across all of our campuses, to entertain you. Swinburne student organisations – run by students for students – provide you with the best opportunities to have a good time, whilst having a say in what you’d like to do as a Swinburne student. Both the Swinburne Student Union (SSU) and the Swinburne Sport and Recreation Association (Swinergy) offer you great ways to get involved.

Orientation
Orientation Week is for new students and is held before classes begin to help familiarise you with your campus and the services available. The Student Union facilitates the Orientation Host scheme on most campuses. O Hosts will take you on tours, and give you the inside story on life at Swinburne! As well, the SSU offers info sessions, live entertainment and free food. Generally the big O Week events will be scheduled for particular days – but individual events are often organised locally for some departments, so look out for these too.

Welcome Back Week
First week of semester marks the beginning of a week of festivities. Students are given the opportunity to participate in a number of SSU coordinated events. Bands, beer, sausage sizzles, comedy, street theatre, club displays, competitions and much more continue throughout the week and into the new semester. A calendar of WBW events is listed in the first edition of The Swine (the student newspaper).

Union night
Each year the Union celebrates the beginning of the New Year with an evening of music and entertainment. In 2003, two events are scheduled for students from all campuses. Information about these events can be obtained from your Student Union administration or by contacting (03) 9214 5456.

Union Ball
The Union Ball is a signature event organised jointly between the Clubs and Societies and Activities departments. Over 400 students attend the black tie event each year marking its popularity and success. Further information about the ball can be obtained by contacting the SSU Clubs Officer on your campus.

Clubs and societies
There are over sixty clubs affiliated across Swinburne’s six campuses. Clubs cover a range of interests including academic, cultural, religious and social. Affiliated clubs are entitled funding in accordance with membership numbers and Further Education funding for special events. For information about existing clubs or advice on starting a club, contact the SSU Clubs Officer on your campus.

3SSR
Swinburne Student Radio is an independent association founded by Swinburne students in 1998. The station has been broadcasting under a temporary license on the FM band since then. There are a range of programs appealing to a broad cross-section of the Swinburne and greater community. Visit 3SSR at www.3ssr.org.au or contact the station manager on (03) 9214 8869.

Off-campus
The Student Union hosts many off-campus events each year, especially through the Clubs and Societies program. These often include river cruises, movie nights and nightclub tours. Check out the SSU website, The Swine, and local noticeboards for forthcoming events.
Living away from home

For many students, entering tertiary education means leaving home for the first time; moving to Melbourne from the country, or from overseas, while others simply decide it’s time to assert their independence and move out of home.

Deciding where to make your next home can be a daunting task: one which too many students think about only after they have received an offer into a particular course. At Swinburne, our support staff can assist you in your decision.

Accommodation at Swinburne includes both on-campus and off-campus options.

**Hawthorn campus**
The eighty-four room Residential College, located on the Hawthorn campus, features individual rooms furnished with a single bed and bedding, built-in study desk and bookshelf, cupboards, chairs, wash basin, electric jug and hydronic heating. Live in Resident Advisers are available to provide a hand with study and settling in.

Hawthorn also has a number of on-campus apartments comprising either two or three bedrooms, which are well suited to students undertaking second year and above.

**Lilydale campus**
The new Student Village is located on Lilydale Lake foreshore and provides a tranquil and secure environment for campus life and study. The units are a short walk from academic buildings, leisure facilities and public transport connections. The purpose built Student Village has 100 beds available in 26 self-catering apartments. Each apartment contains four separately keyed bedrooms, a kitchen, lounge/study room, and storage locker. Apartments are furnished, containing dining and living room furniture, as well as a bed, desk, chair and clothes storage in each bedroom. They are fully secured with a professional security access system. A common room, central laundry, free parking and BBQ facilities are available to all residents.

**Off-campus options**
Swinburne’s Housing Office provides off-campus options, such as Home-Away-from-Home, private rental/share housing and details on local hostels. A Housing Adviser will assist you in deciding which type of accommodation will best suit your needs and financial situation. Advice on living costs and tenancy issues are also available.

**Further information**
- Residential College/Apartments: (03) 9214 5555 (Hawthorn)
- Student Village: (03) 9735 9309 (Lilydale)
- Off-campus options: (03) 9726 1507 (Croydon) / (03) 9214 8882 (Hawthorn) / (03) 9215 7105 (Healesville) / (03) 9215 7105 (Lilydale) / (03) 9214 6728 (Prahran) / (03) 9210 1905 (Wantirna)

Originally from Sale, Matthew Callahan now considers Melbourne to be his home.

“I love Melbourne. There’s so much to do, I’m living on campus at the moment but I hope to get a house here in the future.”

When he first moved to Melbourne, Matthew was lucky enough to win a $1000 Relocation award, which he says was ‘very handy’ for covering extra costs like books. But he wasn’t expecting to win the Foundation Scholarship, which rewarded his excellent VCE results.

“I got told in January, so it was a nice surprise to win another award!”

Now in his second year at Swinburne, Matthew is enjoying his computer science/software engineering course, which he chose because of IBL.

“I was looking at other courses, but Swinburne offered a year’s paid full-time work, which is why I applied. So far it’s been good, I’m looking forward to working in the industry. It’s constantly changing, so there are always new opportunities.”
SCHOLARSHIPS – A HEAD START FOR STUDY

Nicole Paton’s 98.80 ENTER score helped her to win one of Swinburne’s prestigious Vice-Chancellor’s Engineering Scholarships and a place in the competitive Bachelor of Engineering (Product Design Engineering) course.

“It was a great honour that I didn’t expect. I was always planning on going to Swinburne, but the scholarship made it even more worthwhile.”

Now in her second year at Swinburne, Nicole is enjoying the course, especially its practical focus.

“I found the course really well structured, and it also provides such a broad range of opportunities. There is equal emphasis on the technical and artistic side of engineering. At school I was interested in physics as well as art and design so this course was perfect. There was nothing else like it.”

Undertaking study is a long and expensive commitment, and a helping hand can make the path smoother. Swinburne recognises this, and the University offers a wide variety of scholarships for new enrolling undergraduate and TAFE students.

Higher Education (Hawthorn and Prahran) degree courses

Most Higher Education courses taken at the Hawthorn and Prahran campuses have scholarships. There are three categories of scholarships available:

- Vice-Chancellor’s Engineering Scholarships
- Vice-Chancellor’s Information Technology/Science Scholarships
- Swinburne Foundation Scholarships.

These scholarships are HECS waiver and awarded on academic merit. Vice-Chancellor’s Engineering Scholarships allow students to elect to study any of Swinburne’s single Engineering degrees or double degree combinations that include Engineering.

The Vice-Chancellor’s Information Technology/Science Scholarships allow students to study any of Swinburne’s (Hawthorn campus) single Science or Multimedia degrees or selected single Information Technology degree, or a double degree combination that includes Information Technology, Multimedia or Science.

Swinburne Foundation Scholarships are available to students enrolling in the following degree study areas: arts, business, design, health science, social science and technology, and entitles recipients to a HECS waiver.

To be eligible for any of these scholarships students must:

- have an ENTER of 95 or above, and

Applicants for any of the above scholarships must also apply through VTAC. See the VTAC Guide for details.

Lilydale degree courses

A range of scholarships are available to commencing and continuing students. These scholarships are awarded on criteria including academic merit, community service, place of residence and interview. These scholarships range from $1,000 to $2,000. Students must apply direct to Swinburne, in addition to their VTAC application.

For further information visit: www.swin.edu.au/scholarships

TAFE courses

Swinburne TAFE Scholarships are available in three main areas: business, engineering and social sciences. Scholarships are awarded to students who meet the criteria as established for each individual category. Scholarship winners will receive payment of all fees for 2004 (enrolment and general service fee) and a cash prize of $500.

For further information and application forms visit: www.swin.edu.au/scholarships


: How to apply

**Higher Education**

The minimum requirement for entry into Swinburne degree courses is the successful completion of the Victorian Certificate of Education (VCE) with a study score of at least 25 in Units 3 and 4 English (any) OR Equivalent Studies.

Equivalent Studies to the VCE include:
- Qualifications obtained interstate or overseas at either a secondary or tertiary level; OR
- Successful completion of a TAFE Diploma or Certificate IV or any tertiary subjects.

Some courses have Prerequisite Subjects in VCE and/or Special Requirements. These are set out in this publication, Swinburne course brochures and the VTAC Guide. Applicants must satisfy Prerequisites and Special Requirements to be eligible for entry into a particular course.

Non Year 12 applicants are individually considered on the basis of a range of factors, such as previous studies, work experience, any extra requirements specified for the course. Applicants for the Bachelor of Business and Bachelor of Business/Bachelor of Arts (Italian) or (Japanese) must sit the STAT Multiple Choice test, managed by VTAC. Applicants for other courses must complete the VTAC SI form.

Minimum Entry Requirements apply for holders of complete and incomplete TAFE and University qualifications applying for Higher Education courses. Unless otherwise stated, an offer of a place in any course is always subject to places being available.

**TAFE**

For entry into TAFE Certificate IV and Diploma courses, satisfactory completion of VCE (see above) or a TAFE certificate level qualification or relevant work experience is required. Some courses have a minimum age requirement.

As with Higher Education courses, some TAFE courses also have Special Requirements or Prerequisite Subjects. Refer to individual course entries for details.

Non Year 12 applicants can apply if they are at least eighteen years of age and have been out of full-time schooling for at least twelve months.

**VTAC applications**

For entry into full-time and some part-time degree courses and most TAFE Certificate IV and Diploma full-time courses, applications need to be made through the Victorian Tertiary Admissions Centre (VTAC).

Applicants are advised to obtain a copy of the VTAC Guide for the forthcoming year, which can be purchased in newsagencies from July onwards. Alternatively, the VTAC Guide can be accessed online from VTAC’s website: www.vtac.edu.au

Further information can be obtained from VTAC at:
40 Park Street
South Melbourne Victoria 3205
or telephone the VTAC Infoline on 1300 364 133.

Timely applications should be lodged at VTAC by the end of September. After this time late fees will apply. Final VTAC applications close mid December.

In addition to applying through VTAC some courses also require a supplementary application form, interview, audition and/or a folio assessment. Where required, these are outlined under the course entry in this publication and in the VTAC Guide.
**Change of preference**

Change of Preference is a great opportunity for students to reassess the courses they initially listed with VTAC in light of their results.

A Change of Preference advice Hotline is available to Year 12 applicants after the publication of VCE results, during the VTAC advertised Change of Preference period (late December). Change of Preference periods are also available to non Year 12 applicants (during October and November). Consult the current VTAC Guide or the VTAC website for relevant dates. For advice on course options at Swinburne call the Hotline on 1300 368 777.

**Direct applications**

Entry into all TAFE part-time and some full-time courses is by direct application to Swinburne. There are also several Higher Education part-time courses that require a direct application. Telephone Swinburne for an application form on 1300 368 777.

**Special entry schemes**

People of Aboriginal and Torres Strait Islander background are eligible to apply to Swinburne for special admission. For further information, contact the Swinburne Indigenous Programs office on telephone (03) 9215 7208.

**International students**

Swinburne welcomes international students wishing to study TAFE, degree or postgraduate courses. Applications can be discussed with staff in our International Student Unit (ISU), which is responsible for the admission, orientation and support of all international students. The ISU can be contacted on (03) 9214 8647 or via email: isuengq@swin.edu.au

Please note, not all Swinburne courses are available to international full-fee paying students.
Applied and Industrial Sciences

**Applied Science**
Bachelor of Applied Science

*Campus: L*

**Duration:** Three years full-time or equivalent part-time.*

**VCE Prerequisite:** Units 3 and 4 – a study score of at least 25 in English (any).

**Application:** VTAC

**VTAC code:** 35001 (full-time), 35211 (part-time)

2003 Round 1 Clearly-In ENTER: 66.85

In this course, students gain a thorough understanding of scientific method, critical and creative thinking, information technology and statistics. A major study in computing, psychology or interactive multimedia provides the foundation for studies in other disciplines.

A computing major qualifies students for most entry level positions in the programming and information technology fields. Psychology graduates may seek employment in the areas of human resources, social work, marketing, administration and research. An interactive multimedia major qualifies students for most entry level positions in multimedia development, web page development, online publishing for small business, and desktop publishing.

**Biotechnology**
Bachelor of Science (Biotechnology)

*Campus: H*

**Duration:** Three years full-time.*

**VCE Prerequisite:** Units 3 and 4 – a study score of at least 25 in English (any), in one of Biology or Chemistry, and in one of Mathematical Methods or Specialist Mathematics.

**Application:** VTAC

**VTAC code:** 34241

2003 Round 1 Clearly-In ENTER: 84.45

As the sciences that underpin biotechnology, this course provides in-depth studies of biochemistry, microbiology and molecular biology. It also provides flexible options that allow students to take out major studies in chemistry, computer science, business, or media and communications.

This course equips graduates for careers in biochemistry and biotechnology related to the medical, health, agricultural and environmental industries.

**Applied Science/Social Science**
Bachelor of Applied Science/Bachelor of Social Science

*Campus: L*

**Duration:** Four years full-time or equivalent part-time.*

**VCE Prerequisite:** Units 3 and 4 – a study score of at least 25 in English (any).

**Application:** VTAC

**VTAC code:** 35061 (full-time), 35091 (part-time).

2003 Round 1 Clearly-In ENTER: Individual offer

This course combines the Bachelor of Applied Science and the Bachelor of Social Science, and prepares graduates for employment or self-employment in the rapidly changing cultural, technological and business environments. Major study options include: Computing, Interactive Multimedia, Media Studies and eCulture, Psychology, Sociology.

For career opportunities, refer to the individual degree entries in this Course Guide.

**Biotechnology/Business**
Bachelor of Science (Biotechnology)/Bachelor of Business

*Campus: H*

**Duration:** Four years full-time.*

**VCE Prerequisite:** Units 3 and 4 – a study score of at least 25 in English (any), in one of Biology or Chemistry, and in one of Mathematical Methods or Specialist Mathematics.

**Application:** VTAC

**VTAC code:** 34241

2003 Round 1 Clearly-In ENTER: 82.90

This double degree aims to provide a professional education in biotechnology and business that will enable graduates to use scientific research and innovative skills to create a new business enterprise or to contribute to existing businesses.

Refer to page 21 for Business majors/minors.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.*
Biotechnology/Media and Communications

Bachelor of Science (Biotechnology)/Bachelor of Arts (Media and Communications)

Duration: Four years full-time.*

Campus: H

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), in one of Biology or Chemistry, and in one of Mathematical Methods or Specialist Mathematics.

Application: VTAC

VTAC code: 34241

2003 Round 1 Clearly-In ENTER: $2.90

This double degree prepares graduates for careers in the media and communications industries, where their expert understanding of the sciences associated with biotechnology will allow them to deal critically with technological issues and enhance community understanding.

Forensic Science

Certificate IV in Forensic Science

Campus: H

Duration: One year full-time or equivalent part-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.

Application: VTAC (full-time) or direct to Swinburne, for part-time.

VTAC code: 77861

This course aims to provide the scientific knowledge and practical skills required by people working, or intending to work, in areas related to the forensic science industry.

Entry level employment in the forensic science industry. Successful completion of the course may also allow Pathways into one of Swinburne’s diploma or degree programs.

Horticulture

Diploma in Horticulture

Campus: W

Duration: Two years full-time or equivalent part-time.

Prerequisite: Satisfactory completion of an appropriate Victorian Year 12 or its equivalent, or mature age.

Application: VTAC

VTAC code: 71311

This course is suitable for school leavers and others who have a demonstrated commitment to horticulture and wish to pursue a career within the nursery, landscape, parks and gardens and floriculture industries.

Employment in the floriculture, landscape, nursery, parks and gardens industries, at a technical, supervisory or management level.

Career opportunities are available in local government and a range of private industries – waste treatment and disposal companies, emergency services, chemical transport and private consultancy’s focus on ecologically sustainable development.

Successful completion of the diploma may also allow Pathways into Swinburne’s Bachelor of Health Science (Public and Environmental Health).

Conservation and Land Management

Diploma of Conservation and Land Management

Campus: HV/L or Distance Learning

Duration: Two years full-time or equivalent part-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.

Application: VTAC (full-time) or direct to Swinburne for part-time and Distance Learning. All applicants MUST contact Swinburne with regard to a preliminary selection session.

VTAC code: 70751

This course involves the use, maintenance, conservation and effective management of our natural resources including flora, fauna and water. The course aims to develop a broad knowledge in environmental science and specialises in the development of management strategies for the sustainable use of our resources.

Careers in the public and private sector in forest/park/catchment management, ecotourism, environmental science research; revegetation/land rehabilitation; hydrography; irrigation/ground water management; environmental education; sustainable agricultural, forestry, fisheries and mining site management; and environmental consultancy.

Environmental Management

Diploma of Environmental Management

Duration: Two years full-time or equivalent part-time.

Campus: H

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent or mature age.

Application: VTAC (full-time) or direct to Swinburne for non Year 12, part-time and mid-year intake.

VTAC code: 77741

This course includes methods of minimising, managing and re-using industrial and domestic by-products with regard to the environment, thereby enabling graduates to advise management on their legislative duties.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Horticulture

Certificate III in Horticulture – Apprenticeship
Certificate II in Horticulture – Pre-Apprenticeship/Traineeship

Campus: W

Duration: Apprenticeship: Three years part-time (one day per week).
Pre-Apprenticeship: Six months full-time.
Traineeship: One year part-time (one day per week).

Prerequisite: Applicants must be at least 15 years of age. Certificate III and Traineeship applicants must be apprenticed to an employer.

Application: Direct to Swinburne.

These courses provide students with the knowledge and skills to meet the needs of the horticulture industry in the areas of floriculture, landscape, nursery, or parks and gardens.

Employment in the floriculture, landscape, nursery, parks and gardens industries.

Laboratory Technology

Diploma of Laboratory Technology with streams in Biological and Environmental Testing, and Biotechnology

Campus: H

Duration: Two years full-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age with relevant experience.

Application: VTAC

VTAC codes: 77131(LT), 77121(B/E), tba(B)

This course provides specialised education and training for scientific laboratory support staff encompassing a wide range of skills, techniques and processes so graduates are competent to meet the technological and administrative demands of a changing workforce.

Graduates will be able to seek employment as scientific laboratory support staff.

Viticulture

Diploma in Horticulture (Viticulture)
Certificate II/III in Food Processing (Wine) – Traineeship

Campus: L

Duration: Two years full-time or equivalent part-time.
Traineeship: Three years part-time (one day per month).

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.

Application: VTAC (Diploma full-time) or direct to Swinburne for part-time or Certificate. Certificate applicants must be at least 15 years of age and employed in the industry.

VTAC code: 70181

The course aims to provide technical, operational and management skills and knowledge to owners, managers and employees involved in the production of grapes and quality wine.

Employment as a skilled vineyard worker or manager/supervisor, owner/operator.

After arranging flowers in her spare time, it was Brigette Hanka’s mother-in-law who encouraged her to work in floristry and eventually complete a Certificate II in Horticulture (Floriculture Traineeship).

“I was always arranging flowers, so my mother-in-law encouraged me to work in the field. I worked in a variety of florists on and off for three years after high school, but I was looking for more of a challenge.”

This led to a job at a nursery where her duties ranged from serving customers to mulching plants. Realising the need for more in-depth botanical knowledge, she started a one-year traineeship with Swinburne.

“It was very challenging, but I really love my job so it was also the best thing I ever did. I would really encourage people working in the field to just go ahead and do a traineeship- they won’t regret it.”

A key challenge of the horticulture traineeship was absorbing a great deal of information about all of the plants.

“Every plant has about three different names, including its family, botanic and common names and also some of the subjects like Plant Health were hard, but very important to learn. But because I was working while I was studying I could put my skills to practise.”

Despite the challenges, Brigette managed to achieve excellent marks helping her win the Trainee of the Year award - an honour that left her ‘speechless’.

“Originally I was nominated for the Rotary Award, and didn’t realise I was nominated, but when I won I couldn’t believe it! It was a fantastic honour.”

Having completed her traineeship while working for the past four years, Brigette is now swapping jobs for one closer to her home in Boronia.

“I’m after a bit of a change and my new job will be a five minute drive from home, which will be great. Eventually I hope to run my own nursery/florist, so I can combine both of my interests in a job that I love.”
**Building and Construction**

**Bricklaying/Blocklaying**
Certificate III in General Construction – Apprenticeship  
Certificate II in Building and Construction – Pre-Apprenticeship  
Campus: C  
Duration: Certificate III: Three years part-time (block release).  
Certificate II: Six months full-time.  
Prerequisite: Satisfactory completion of an appropriate Victorian Year 10 or its equivalent, or mature age. Certificate III applicants must be at least 15 years of age and apprenticed to an employer.  
Application: Direct to Swinburne  
This course provides advanced training in Bricklaying and Blocklaying studies including: hand tool skills, scaffolding, use of power tools, occupational health and safety, plan and document interpretation, veneer construction, block work and masonry steps and stairs construction.  
Employment in the Bricklaying/Blocklaying industry as a qualified tradesperson or self-employed contractor.

**Carpentry**
Certificate III in General Construction – Apprenticeship  
Certificate II in Building and Construction – Pre-Apprenticeship  
Campus: C  
Duration: Certificate III: Three years part-time (block release).  
Certificate II: Six months full-time.  
Prerequisite: Satisfactory completion of an appropriate Victorian Year 10 or its equivalent, or mature age. Certificate III applicants must be at least 15 years of age and apprenticed to an employer.  
Application: Direct to Swinburne  
Students of this course complete broadbased training in housing and commercial construction. Major studies include: hand tool skills, scaffolding, use of power tools, occupational health and safety, plan and document interpretation, and framing, roofing and fixing skills.  
Employment as a self-employed contractor, supervisor, self-employed builder, building trade worker (carpenter), leading hand, foreman, or construction manager.

**Building**
Diploma of Building incorporating a Certificate IV  
Campus: C  
Duration: Two years full-time.  
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.  
Application: VTAC (Diploma) or direct to Swinburne for Certificate IV.  
VTAC code: 70031  
This course covers building theory and practice related to residential, industrial and commercial buildings. Major studies include: quantity surveying, tendering, planning and scheduling, construction technology and management, construction dealing, personnel management, contract administration, cost control and quality management.  
Employment as a building works supervisor, estimator, contract administrator and builder.

**Carpentry and Joinery**
Certificate III in Carpentry and Joinery – Apprenticeship  
Certificate II in Carpentry and Joinery – Pre-Apprenticeship  
Campus: C  
Duration: Certificate III: Three years part-time (block release).  
Certificate II: Six months full-time.  
Prerequisite: Satisfactory completion of an appropriate Victorian Year 10 or its equivalent, or mature age. Certificate III applicants must be at least 15 years of age and apprenticed to an employer.  
Application: Direct to Swinburne  
Apprentices are involved in planning and construction of off-site components used in the building industry including doors, windows cupboards and stairs. Skill development covers preparation of plans, cutting schedules and set-out requirements for all aspects of trade.  
Employment in the Joinery/Shopfitting/Stairbuilding manufacturing industry.
Design and Drafting

Diploma of Building incorporating a Certificate IV
Campus: C
Duration: Two years full-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.
Application: VTAC (Diploma) or direct to Swinburne for Certificate IV.
VTAC code: 70191

This course covers building theory and practice related to residential, industrial and commercial buildings. Graduates will have developed specialist skills and knowledge in design, problem solving, construction technology, full project documentation, CAD, project administration and office practice, including quality assurance.

Employment as an architectural technician, building designer.

Painting and Decorating

Certificate III in General Construction – Apprenticeship
Certificate II in Building and Construction – Pre-Apprenticeship
Campus: C
Duration: Certificate III: Three years part-time (block release).
Certificate II: Six months full-time.
Prerequisite: Satisfactory completion of an appropriate Victorian Year 10 or its equivalent, or mature age. Certificate III applicants must be at least 15 years of age and apprenticed to an employer.
Application: Direct to Swinburne

This course provides advanced training in painting and decorating. Major studies include: hand tool skills, scaffolding, use of power tools, occupational health and safety, plan and document interpretation, paint application skills, paint types and uses.

Employment in the painting and decorating industry as a qualified tradesperson or self-employment as a contractor.

Jason Whitehead was painting and redecorating cars and walls ever since he can remember. By the time he was 16, he realised that an apprenticeship was the best option, choosing Swinburne’s Certificate III in General Construction (Painting and Decorating) to start his career.

“You can’t really do anything without an apprenticeship in this field. It’s very important to have training and experience.”

Securing an apprenticeship with a painting firm and studying at Swinburne TAFE’s Croydon campus, Jason soon found himself travelling all around Australia as part of his job.

“The job takes me everywhere. I even spent the last ski season in Mt Buller, and all my meals and accommodation were paid for, which was great. Not many jobs offer you these opportunities so I feel pretty lucky.”

Despite his good fortune, skill plays a vital part in Jason’s training, with theory learned at Swinburne helping him in his everyday work.

“During the apprenticeship I learnt about a lot of techniques I never knew existed, like air-spraying. And that’s good because it adds a bit of depth to what you’re doing.”

Jason was able to put these skills to the test, entering in the World Skills Painting and Decorating competition, finishing in second place. Competing against apprentices from other TAFEs, Jason was given two walls to completely decorate within eight hours under the watchful eyes of judges.

The pressure didn’t faze Jason, who said it was all in a day’s work. “It was pretty easy. I’m used to a lot more variety, and I’ve worked on painting tennis courts and roof restoration.”

Having worked for four years, Jason is keen to start his own roof restoration business and wants to encourage other would-be apprentices.

“An apprenticeship has its ups and downs like everything, but it’s definitely worth doing. I wouldn’t be thinking about opening up my own business without it.”
BUSINESS, INNOVATION AND MANAGEMENT

Accounting

Advanced Diploma of Accounting incorporating a Diploma and Certificate IV/III
Campus: C, H, L, P, W
Duration: Two years full-time or equivalent part-time.
Prerequisite: Successful completion of Year 12 or its equivalent, or mature age.
Application: VTAC (AdvDip/Dip full-time), direct to Swinburne for part-time, certificate, and mid-year intake.
VTAC code: 70201(C), 77201(H), 70721(L), 78201(P), 71201(W)
This course covers areas such as costing, payroll, accounts payable, accounts receivable, taxation and budgeting. Students gain hands-on experience using accounting, taxation, spreadsheet and word processing software.
Employment can be found in a variety of professional accounting positions.

Accounting

Bachelor of Business (Accounting)
Campus: H
Duration: Three years full-time or equivalent part-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any)
Application: VTAC
VTAC code: 34411 (full-time), 34701 (part-time)
2003 Round 1 Clearly-In ENTER: 85.20
This degree is specifically designed for students seeking recognition by professional accounting bodies. It offers specialisation in the accounting field while developing sound general business knowledge and practical business skills.
Graduates find rewarding work in industry, commerce, the public sector, the financial industry or business consulting and public accounting.

Accounting

Bachelor of Business (Accounting)
Campus: L
Duration: Three years full-time or equivalent part-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any)
Application: VTAC
VTAC code: 35021 (full-time), 35181 (part-time)
2003 Round 1 Clearly-In ENTER: 69.00
Accounting is the basic language of business. Business activities are recorded and analysed in financial terms using accounting systems. Investors use financial statements to guide their actions. Managers utilise information from cost accounting systems to make decisions, price products, develop operating strategies and evaluate business performance.
Graduates may find employment in professional accountancy in auditing, liquidation, taxation, investment, finance, management, computer accounting and costing, in industry, in private accounting firms, in the public sector and overseas.

Advertising

Advanced Diploma of Business incorporating a Diploma and Certificate IV
Campus: P
Duration: Two years full-time.
Prerequisite: Successful completion Year 12 or its equivalent, or mature age.
Application: VTAC or direct to Swinburne for mid-year intake.
VTAC code: 78091
This course combines generic business management and operations with advertising specific skills and knowledge. It covers advertising principles and practice, advertising communication and presentation techniques, advertising research, marketing, business law, software applications and consumer behaviour.
A wide range of occupations within the advertising industry, including advertising manager, account service executive, brand or product manager, copywriter/designer, marketing researcher and strategic planner.
*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Christopher Stoll was two years into his first degree in computing and accounting, when he realised it wasn’t for him. Time spent overseas made him realise finance was his true passion, leading him to complete a Diploma of Business (Banking and Finance) at Swinburne.

“I was a language instructor at Berlitz in Japan where I encountered a variety of people and an entirely different culture. Our clients included Merrill Lynch, Morgan Stanley and Bloomberg’s so I met a lot of brokers and financial analysts which made me consider a career in finance.”

“Ironically, being in another country made me realise how little I knew about Australia. It was an eye-opening experience.”

Before returning to Melbourne to complete a Diploma in Banking and Finance at Swinburne TAFE, Christopher considered many other study options.

“I looked at every course I possibly could, but Swinburne’s diploma was very intensive and offered content I could really get my teeth into and jump-start my career in banking and finance,” said Christopher, who completed the fast-track 18 month diploma in 12 months.

His strong interest in financial securities was rewarded with highly practical and relevant subjects. “My favourite subjects were definitely Financial Institutions Marketing and International Banking and Finance. It taught me how everything works and was very up to date.”

Christopher’s passion for finance translated into excellent marks and a $1000 Alumni Scholarship. “I was totally blown away! I am glad my wife convinced me to apply, I didn’t think I had a chance.”

But the award didn’t just recognise Christopher’s academic ability but also his service to the community, shown by giving up his valuable time to teach international students English and provide support.

Now armed with his diploma, Christopher is applying for degrees in Banking and Finance at Swinburne. “I will definitely go back and work there. I have strong career networks there and having done the diploma I have a more concrete idea of what I want to do and more knowledge about the finance industry. In deciding to go to Swinburne, I definitely made the right decision.”

# Asset Finance
Diploma of Business (Asset Finance) incorporating a Certificate III
Campus: H
Duration: Two years part-time.
Prerequisite: Mature age applicants who have relevant experience in the financial services sector.
Application: Direct to Swinburne.

This course is specifically designed for those working in the finance sector. It is fully endorsed by the Australian Asset Finance Association and is delivered by qualified industry experienced teachers/trainers. Employment as asset financiers, brokers, credit analyst, lending officers or consultants.

# Banking and Finance
Diploma of Business (Banking and Finance)
Campus: H or Distance Learning
Duration: Eighteen months full-time or up to four years part-time.
Prerequisite: Successful completion Year 12 or its equivalent, or mature age.
Application: VTAC (full-time) or direct to Swinburne for part-time and mid-year intake or Distance Learning.
VTAC code: 77951

This course aims to develop and enhance the skills and knowledge in accounting, law and financial management of people who seek a career as bank branch manager or people engaged in specialised functions in a large branch or head office. Employment in the banking and finance industry.

# Business
Bachelor of Business
Campus: H
Duration: Three years full-time or equivalent part-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).
Application: VTAC
VTAC code: 34411 (full-time), 34701 (part-time).
2003 Round 1 Clearly-In ENTER 85.20

The Bachelor of Business at Hawthorn equips students with a diverse range of theoretical knowledge and practical skills to prepare them for the demands of tomorrow’s business world. In the first year students undertake a range of foundation studies across all business disciplines, enabling them to ‘sample’ subject areas before committing. Students then select major and minor study sequences or electives, depending on career aspirations or interests, from the following: Accounting, Asian Business#, Business Law#, Economics#, eMarketing#, European Business#, Finance, Human Resource Management/Organisation Behaviour, Information Systems, International Business, Management, Marketing, Students may also undertake studies from a wide range of subjects in the Bachelor of Arts and Bachelor of Social Science.

Graduates will have the basic capacity, attributes and ‘mindset’ to consider creating their own enterprises from the time of graduation, or at some future point in their career. They will therefore be well prepared to either seek professional entry as an employee in their chosen field of specialisation or to grasp innovative business opportunities to employ themselves and others.

# Available as a minor study sequence only.
*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Rachael Halls is amazed that people find accounting boring, given its analysis and problem-solving, which she says goes beyond stereotypical ‘number-crunching.’ For Rachael, who initially deferred her Bachelor of Business (Accounting) course to become an apprentice motor mechanic, the satisfaction of solving mathematical problems beats repairing cars.

"Ever since I helped my Dad out with the books for his business, I’ve enjoyed working with numbers. But my car was always breaking down and costing me money, so I decided to be an apprentice mechanic, but it wasn’t for me so I returned to Swinburne to finish my degree."

And Rachael not only finished her degree, but was one of only two indigenous students to receive a scholarship from the CPA (Certified Practising Accountants), which covered the costs of CPA accreditation.

"It was a great honour, my lecturer John Lourens encouraged me to apply and I was glad that I did."

Proud of her indigenous heritage, Rachael was heavily involved with Swinburne’s Indigenous Programs Unit (IPU), attending its annual Summer Getaway Camp as a role model to inspire indigenous children to further their education.

"The camp was great fun. I hope I showed them that they can extend themselves and study whatever they want to."

As well as volunteering her time for the IPU, Rachael took her first overseas trip to Singapore and Vietnam where she spent two weeks visiting mainly Australian businesses to analyse how business strategies were adjusted to suit different cultures as part of the International Business Programs subject.

"The trip really opened up my eyes to how people in other cultures live. I really loved Vietnam and can’t wait to go back."

Rachael’s course also helped land her a graduate position with Australia Post, where she works in accounts and systems support. She is philosophical about her success saying anybody can do what she does, if they want to.

"I believe it’s what you put in that determines how successful you are. If you work hard, you will get ahead."

Business

Bachelor of Business

Campus: L

Duration: Three years full-time or equivalent part-time.*

VCE Prerequisite: Units 3 and 4 -- a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 35101 (full-time), 35251 (part-time).

2003 Round 1 Clearly-In ENTER: 68.00

The Bachelor of Business at Lilydale provides students with the skills and abilities pertinent to a variety of professional careers in the private and public sectors. The course introduces the world of business through a range of compulsory core subjects and enables students to specialise in the field of their chosen profession. At least one major must be taken from the business streams of: Accounting, Marketing, Economics, Human Resource Management, Information Systems, Tourism or Management. In addition, students may select majors and/or minors in: Interactive Multimedia, Media Studies and eCulture, Psychology, Computing, Information Technology, Social Statistics, Sociology, or Tourism. The course is designed to enhance a number of generic skills highly valued by employers and important for the development of the individual such as self-awareness, presentation and communication skills and skills for the maintenance of learning and knowledge.

Business Administration

Diploma of Business Administration incorporating the Certificates II/III/IV

Campus: C, H, W or Workplace.

Note: Diploma/Cert IV only offered at Croydon and Hawthorn.

Duration: Two years full-time or equivalent part-time.

Prerequisite: Successful completion of Year 12 or its equivalent or mature age (Dip/CertIV). No formal entry requirements apply to the Certificate II or III.

Application: VTAC (Dip/CertIV/full-time) or direct to Swinburne for part-time, Certificate II/III and mid-year intake.

VTAC code: 70241(C), 77241(H), 71241(W)

The course provides participants with the experience, knowledge and procedures to effectively manage a variety of roles, related to administration in a business office environment. Employment may be found in the areas of office management, personal assistant, executive officer, office administrator, office supervisor.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Prerequisite: This course is suited to mature age applicants who have
industry or other relevant experience. Year 12 students may be
considered for the full-time course.
Application: Direct to Swinburne.

This course aims to develop the skills required to effectively manage
people in the workplace and focuses on the importance of financial
aspects when making decisions. It also aims to develop an innovative
and entrepreneurial attitude to management by studying a range of
modules designed to enhance advanced skills in management.

Employment in frontline and middle management positions in a range
of companies in the private and public sectors.

**Business/Accounting**

Bachelor of Business/Advanced Diploma of Accounting
Campus: C, L, W – Advanced Diploma; L – Degree
Duration: Four years full-time.*

Note: The first two years are predominately TAFE studies.

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in
English (any).

Application: VTAC

VTAC code: 35041

2003 Round 1 Clearly-In ENTER: 66.00

This dual award course provides students with the opportunity, not only
to gain specialist accounting training at a theoretical and practical level, but
also to undertake minors in a variety of related areas including
economics, finance and human resource management.

Professional accountancy in auditing, liquidation, taxation, investment,
finance, management, computer accounting and costing, in industry, in
private accounting firms, in the public sector and overseas.

---

**Business Management**

Advanced Diploma of Business Management incorporating a Diploma
and Certificate IV
Campus: C, L, P, W

Duration: One year full-time (Diploma) or four years part-time.

Note: The Diploma/Cert IV are offered full-time at the Prahran campus
only. The Advanced Diploma is offered part-time at Croydon or Wantirna.

Prerequisite: This course is suited to mature age applicants who have
industry or other relevant experience. Year 12 students may be
considered for the full-time course.

Application: Direct to Swinburne.

This course aims to develop the skills required to effectively manage
people in the workplace and focuses on the importance of financial
aspects when making decisions. It also aims to develop an innovative
and entrepreneurial attitude to management by studying a range of
modules designed to enhance advanced skills in management.

Employment in frontline and middle management positions in a range
of companies in the private and public sectors.

**Business/Applied Science**

Bachelor of Business/Bachelor of Applied Science
Campus: L

Duration: Four years full-time or equivalent part-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in
English (any).

Application: VTAC

VTAC code: 35121 (full-time), 35131 (part-time).

2003 Round 1 Clearly-In ENTER: Individual offer

In this course, students are able to extend their areas of study beyond
the combinations of major and minor sequences required in single degree
courses, giving flexibility and expertise beyond the limits of a narrow
vocational orientation. Major areas of study include: Accounting, Marketing,
Economics, Human Resource Management, Management, Computing,
Information Systems, Psychology, Interactive Multimedia, or Tourism.

This course prepares students for employment or self-employment in
the rapidly changing cultural, technological and business environments.

**Business/Italian**

Bachelor of Business/Bachelor of Arts (Italian)
Campus: H

Duration: Four years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in
English (any).

Application: VTAC

VTAC code: 34651

2003 Round 1 Clearly-In ENTER: 83.25

This course offers the opportunity to undertake a full business degree
while providing competence and fluency in the Italian language and an
understanding of modern Italian culture including its social, political and
economic aspects. In addition to its academic and practical skills, the
course also opens up a myriad of international study and work
opportunities upon which to build networks within Italy and Europe.

Graduates may seek employment with international and Australian
organisations or companies dealing with, or located in, Europe.

*An optional and additional year of Industry-Based Learning (IBL) may
also be available.

---

Mark Tucker likes to inject some life into subjects like economics, using guest industry speakers and constantly
drawing on real-world examples to educate students.

“I often bring up a variety of issues in the media, challenging students to see the connection that business
has with a variety of areas beyond a traditional textbook.”

“Teaching at Lilydale is great because I have better access to regionally-based industries especially relevant
for subjects like Environmental Economics, where students get a solid background in contemporary issues like
sustainability.”

His practical examples and obvious passion for teaching were rewarded in 2001 with a Swinburne Teaching
Excellence award. While he’s very pleased with the recognition, it hasn’t distracted him from his main aim.

“I want to give students a solid background in a variety of business issues, so that when they go out in the
industry they can speak authoritatively about them and be valuable employees.”
**Business/Japanese**

Bachelor of Business/Bachelor of Arts (Japanese)

Campus: H

Duration: Four years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 34801

2003 Round 1 Clearly-In ENTER: 83.20

This course offers the opportunity to undertake a full business degree while providing competence and fluency in the Japanese language and its associated areas including culture, social, political and economic aspects. In addition to its academic and practical skills, the course also opens up a myriad of international study and work opportunities upon which to build networks within Japan.

Graduates may seek employment with international and Australian organisations or companies dealing with, or located in, Japan.

**Business/Marketing**

Bachelor of Business/Advanced Diploma of Business (Marketing)

Campus: L

Duration: Four years full-time.*

Note: The first two years are predominately TAFE studies.

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 35171

2003 Round 1 Clearly-In ENTER: 68.30

This dual award course provides an opportunity for students to combine specific sales and marketing competencies with the theoretical knowledge, communications skills and an advanced understanding of integrated business methods required for sound management in all areas of modern business.

Public relations, advertising, product/brand management, market research, direct marketing, international marketing.

**Customer Contact**

Certificate III in Telecommunications (Customer Contact)

Campus: Workplace.

Duration: Six months full-time.

Prerequisite: Basic computer skills and fluency in written and spoken English.

Application: Direct to Swinburne.

This course aims to develop highly skilled call centre operators who become the frontline staff for business and service industries. All training involves practical, live experience in our call centre training facility in addition to the theoretical and simulated learning applications.

Employment as call centre operators at the entry level with the potential to become supervisors or team leaders through additional training and study.

**eCommerce**

Bachelor of Business (eCommerce) incorporating an Advanced Diploma

Campus: L, P

Duration: Three years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 35241(L), 36011(P)

2003 Round 1 Clearly-In ENTER: 59.75(L), 64.40(P)

This program reflects a need for new business models and strategies to better cope with the complexity, paradoxes and new ways of thinking in a globally networked business environment. The first two years of the degree incorporates TAFE components. The third year draws upon the earlier years of study and strengthens the conceptual and theoretical frameworks applied.

Graduates are well equipped to find employment within the rapidly growing eCommerce environment in the public and private sectors.

**Frontline Management**

Diploma of Frontline Management incorporating a Certificate IV/III

Campus: Workplace

Duration: One to two years part-time.

Prerequisite: Participants need to be working in a supervisory/management position.

Application: Direct to Swinburne.

This program is for frontline managers and supervisors. It has been developed to enhance skills when dealing with: workplace change; the need to constantly learn new skills; and meeting the challenges of a competitive business world.

The Frontline Management Initiative is a nationally recognised management qualification, concentrating on transferable management competencies. Participants will be able to apply these skills to advance to more senior management positions.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Human Resources

Advanced Diploma of Business (Human Resources) incorporating a Diploma and Certificate IV

Campus: C, H

Note: Diploma/Cert IV is offered full-time at Croydon only. The AdvDip is offered part-time at Croydon only.

Duration: One full-time (diploma) or four years part-time.

Prerequisite: Successful completion of Year 12 or its equivalent, or mature age.

Application: VTAC (full-time) or direct to Swinburne for part-time.

VTAC code: 70841(C)

The course aims to provide participants with the skills, knowledge and professional practices to enable them to perform duties related to human resource operation in private or public organisations.

Support staff and management positions in HR organisations or departments.

International Business

Bachelor of Business (International Business)

Campus: H

Duration: Three years full-time or equivalent part-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 34411 (full-time), 34701 (part-time).

2003 Round 1 Clearly-In ENTER: 85.20

This degree offers a specialisation in the international business field while developing sound general business knowledge and practical business skills.

Graduates will find rewarding employment in international trade, government and non-government organisations, aid agencies, business management or business consultancy.

International Business/Italian

Bachelor of Business (International Business)/Bachelor of Arts (Italian)

Campus: H

Duration: Four years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 34651

2003 Round 1 Clearly-In ENTER: 83.25

This course offers the opportunity to undertake an international business specialisation while providing competence and fluency in the Italian language and an understanding of modern Italian culture including its social, political and economic aspects. In addition to its academic and practical skills, the course also opens up a myriad of international study and work opportunities upon which to build networks within Italy and Europe.**

Graduates may seek employment with Australian and international organisations especially those dealing with, or located in, Europe.

International Business/Japanese

Bachelor of Business (International Business)/Bachelor of Arts (Japanese)

Campus: H

Duration: Four years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 34801

2003 Round 1 Clearly-In ENTER: 83.20

This course offers the opportunity to undertake an international business specialisation while providing competence and fluency in the Japanese language and an understanding of associated areas including culture, social, political and economic aspects. In addition to its academic and practical skills, the course also opens up a myriad of international study and work opportunities upon which to build networks within Japan.**

Graduates may seek employment with Australian and international organisations especially those dealing with, or located in, Japan.

* An optional and additional year of Industry-Based Learning (IBL) may also be available.

** A mandatory overseas study component is a requirement of this course.
**Legal Practice**

Advanced Diploma of Business (Legal Practice)

Campus: H, W or Distance Learning

Duration: Two years full-time.

Prerequisite: Successful completion of Year 12 or its equivalent, or mature age.

Application: VTAC. Direct to Swinburne for Distance Learning.

VTAC code: 77051(H), 71071(W)

This course provides essential qualifications for people wishing to work in the legal area without having to complete a law degree. Students develop sound principles, practices and knowledge including high level technology legal skills to provide guidance and services to clients in a legal environment.

Employment may be found as a law clerk, legal secretary, or in a paralegal position.

**Library and Information Services**

Diploma of Library and Information Services incorporating a Certificate III

Campus: P

Duration: Two years full-time or equivalent part-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age. No formal entry requirements apply to the Certificate III. However, applicants should possess basic communication and keyboard skills, along with word processing and spreadsheet fundamentals.

Application: VTAC

VTAC code: 78801

The course aims to develop the specialist knowledge and skills required to manage practices within the library/information sector.

Employment can be found as library technicians and library officers in a wide range of library types and other information agencies.

**Marketing**

Advanced Diploma of Business (Marketing) incorporating a Diploma and Certificate IV/III

Campus: H, L

Duration: Two years full-time.

Prerequisite: Successful completion of Year 12 or its equivalent, or mature age.

Application: VTAC (full-time) or direct to Swinburne for part-time, mid-year intake and Flexible Delivery.

VTAC code: 77261(H), 70301(L)

This course introduces basic marketing concepts and selling skills while developing a sound basis in many general areas such as law, mathematics, computing and communications. At the Diploma level, specialised aspects of marketing are introduced such as sales merchandising, logistics and market research. The Advanced Diploma introduces and expands on specialised aspects of marketing such as strategic, services and direct marketing, product management and research.

Employment can be found in a range of positions in marketing and sales management.

---

Studying part of her Bachelor of Business (Marketing) degree overseas gave Carlie Clingan the rare opportunity of meeting Prime Minister John Howard in Crete, and the experience of being in the US after September 11. Working as an intern for Caterpillar, a world-leading manufacturer of construction and mining equipment, during her IBL program, Carlie still remembers the strong patriotism of her American colleagues.

"The day after the attack, American flag badges were left on everyone’s desk and when I left in December everyone was still wearing them."

The memory is just one of many Carlie has of completing her IBL with Caterpillar, where she says she was given lots of autonomy.

"I majored in marketing and human resources so I helped devise training programs and manuals for employees as well as conduct market research for the company’s global division. Not once did I ever feel like the photocopy girl!"

The valuable work experience to be gained through IBL meant Carlie put Swinburne at the top of her course preference list.

"I knew Swinburne had a good reputation for its marketing courses, and offered IBL, which gives you meaningful, paid work experience that many other universities don’t."

Apart from the IBL’s ‘real-world’ experience, Carlie says even theoretical subjects were taught in an innovative, practical way.

"Swinburne’s Organisation Behaviour subjects were the most memorable because as students we were in charge of our learning. It was like group therapy! Together we learnt not only how individuals work in different group situations, but also about ourselves. This was far better than learning theories from a textbook."

As well as completing her IBL overseas, Carlie also took advantage of completing two subjects in the idyllic surrounds of Crete in Greece, a trip organised by Swinburne Education Abroad. "I made friends from all over the world – it was amazing."

Currently working part-time for SED Consulting as a marketing assistant, Carlie admits the travel bug is still biting, and plans to go overseas in April and visit Europe, North and South America. She’s only too happy to encourage others to travel the globe and study at the same time.

"You’ve got nothing to lose. Travelling overseas opened my eyes to the wealth of opportunities that are out there."
Marketing

Bachelor of Business (Marketing)
Campus: H
Duration: Three years full-time or equivalent part-time.*
VCE Prerequisite: Units 3 and 4—a study score of at least 25 in English (any).
Application: VTAC
VTAC code: 34411 (full-time), 34701 (part-time).
2003 Round 1 Clearly-In ENTER: 85.20
This degree offers specialisation in the Marketing field while developing sound general business knowledge and practical business skills.
Graduates will find employment in public relations, advertising, product/brand management, market research, direct marketing, international marketing.

Small Business Management

Certificate IV in Business (Small Business Management)
Campus: C, H, L
Duration: One to two years part-time.
Prerequisite: There are no formal entry requirements.
Application: Direct to Swinburne.
This course considers the factors and skills required to start or run a successful small business. It also looks at the legal, marketing and financial implications of setting up a small business. The course is suitable for: people planning to set up a small business; anyone in the early stages of running a small business; small businesses ready to expand; department managers in a large business; or employees in a small business.
Opportunities in small business as an owner-operator or employee.

Public Relations

Advanced Diploma of Business (Public Relations)
Campus: P
Duration: Two years full-time or equivalent part-time.
Prerequisite: Successful completion of Year 12 or its equivalent, or mature age.
Application: VTAC (full-time) or direct to Swinburne for part-time.
VTAC code: 78101
This course provides students with the sound skills, practices and principles utilised in the public relations industry. It covers writing and editing skills, government structures and influences, research, marketing principles, marketing law, computer applications including multimedia, the internet and desktop publishing, production techniques, consumer behaviour and fundraising.
Graduates may find employment as a senior public relations officer in a variety of organisations, large and small, including government departments and authorities at federal, state and local level, and publications and media fields.

Real Estate

Certificate IV in Business (Estate Agency Practice)
Course in Real Estate for Agents’ Representatives
Campus: C, P, W or Distance Learning.
Duration: Courses are available on a full-time or part-time basis.
Prerequisite: There are no formal entry requirements.
Application: Direct to Swinburne.
The Course in Real Estate for Agents’ Representatives is the requirement for employment in the real estate industry. The Certificate IV is the academic requirement for application for a full real estate licence. At the time of publication, both course were under review. Contact the Information Hotline or visit CourseFinder for further information.

Supply Chain Management

Diploma of Business (Supply Chain Management)
Campus: H
Duration: Three years part-time.
Prerequisite: Mature age or working in the supply, purchasing, logistics or distribution industry.
Application: Direct to Swinburne.
There is widespread recognition that, for Australia to remain internationally competitive, the adoption of supply chain management principles is urgently required. This course addresses the need for purchasing, supply, logistics, operations management and distribution to be under the one umbrella of supply chain management.
Enhances employment and promotional opportunities in this field.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Computing and Information Technology

**Computer Applications**

Certificate II in Information Technology (Applications)

Campus: C, H, HV, P, W or Workplace.

Duration: One year full-time or equivalent part-time.

Note: This course will be offered subject to demand.

Prerequisite: Successful completion of an appropriate Victorian Year 10 or its equivalent, or mature age.

Application: Direct to Swinburne

This course provides foundation skills in microcomputer software packages for word processing, spreadsheets, databases and desktop publishing to an advanced level. It is designed for those who use computer software packages in a business or at home.

The course is specifically designed for students wanting to continue their studies in information technology. Alternatively, students can seek entry-level employment in the information technology/sales and marketing technology industries.

**Computer Science**

Advanced Diploma of Computer Science with streams in Multimedia, Instrumentation, and Software Development

Campus: H

Duration: Two years full-time or equivalent part-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, with preference given to students with passes in Units 3 and 4 Mathematics and Physics. Mature-age applicants will be considered on a case-by-case basis.

Application: VTAC (full-time) or direct to Swinburne for part-time.

VTAC code: 77301

This course is specifically designed to introduce the participant to both the fundamental and advanced techniques applied to the computer scientific instrumentation and multimedia industry. The course has three exiting levels: the Certificate IV and Diploma levels are considered to be in the generic computer science/multimedia field while the Advanced Diploma is designed to allow the participant to concentrate on their designated field of either Multimedia Technology, Scientific Instrumentation or Software Development.

Employment can be found in a wide range of positions in technology based industries including data acquisition and control, network and systems management, programming, computer services and multimedia.

**Computer Science and Software Engineering**

Bachelor of Science (Computer Science and Software Engineering)

Campus: H

Duration: Three years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any) and in one of Mathematical Methods or Specialist Mathematics.

Application: VTAC

VTAC code: 34431

2003 Round 1 Clearly-In ENTER: 81.65

This course focuses on applications involving multimedia, and on web-based systems, with an emphasis on the design of effective human-computer interfaces. A range of options in the final year of the course allows students to study advanced subjects in areas such as software engineering, computer networks, database, knowledge-based systems and human-computer interaction.

Graduates are usually employed in technical areas such as programming and systems analysis and design, internet systems development and they are well prepared for progression into project leadership and management positions as their experience develops.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Computing
Bachelor of Science (Computing)
Campus: H
Duration: Two years full-time.
Prerequisite: A TAFE diploma or equivalent in a computer programming discipline with an average score of at least 65%.
Application: VTAC
VTAC code: 34501
2003 Round 1 Clearly-In ENTER: Individual offer.
This conversion course provides an extensive study of computer systems and software development as well as programming, systems analysis and design, and software engineering methods. It also offers an opportunity to study interactive multimedia.
Graduates can seek employment in computer programming, internet systems development, multimedia software development, systems analysis and design, database administration, computer network support.

Information Systems
Bachelor of Information Systems
Campus: H
Duration: Three years full-time.
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).
Application: VTAC
VTAC code: 34641
2003 Round 1 Clearly-In ENTER: 81.25
This course is designed for students wishing to pursue a career in the business application of Information Technology (IT) in specialities ranging from the management of IT to the design and development of computer based information systems. The course develops students’ analytical and problem solving skills enabling them to succeed in today’s rapidly changing technological environment.
Employment in areas such as systems analysis, project management, product support, software development, user liaison.

Information Systems/Business
Bachelor of Information Systems/Bachelor of Business
Campus: H
Duration: Four years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).
Application: VTAC
VTAC full-time code: 34561
2003 Round 1 Clearly-In ENTER: 84.95
This double degree combines specialist studies in Information Systems with a full business degree leading to a choice of a generalist or specialist career in the use of information technology (IT) to solve business problems.
Information Systems specialisations in areas such as systems analysis, project management, product support, software development, user liaison. Combined with business specialisations in Accounting, Business Law, Economics, Finance, Manufacturing Management, Marketing, and Organisation Behaviour/Human Resource Management.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.

After working as an analyst and assistant systems programmer for ten years, Richard Forster was keen for a job that offered more variety, making teaching the ideal choice.

“Working in the industry means that your focus tends to be narrower, but with teaching you can branch out and explore many different areas.”

“The most exciting thing about teaching IT is working with students on their major projects for external clients, I enjoy being involved in new technologies and teaching others how to take advantage of them.”

This enthusiasm and Richard’s diverse skills covering software development, multimedia, online education, programming, systems analysis and operating systems were rewarded with the Swinburne Excellent Teacher of the Year (TAFE) award.

“It’s always good to be recognised, but I think this award was more an acknowledgement of the outstanding work done by the entire Computing department. I am just part of a team.”

Richard Forster
IT Teacher
Course Information Hotline: 1300 368 777

Information Technology
Certificate IV in Information Technology
Campus: C, H, P, W
Duration: Up to three years part-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.
Application: Direct to Swinburne

This course provides learners with high-level technical skills in operating systems, programming, networking and software applications, as well as familiarity with computer hardware, web page production and communications.

Employment in client support, network administration and network management or software development as a trainee programmer or a member of a programming team.

Information Technology
Bachelor of Information Technology
Campus: H
Duration: Three years full-time.
VCE Prerequisite: Units 3 and 4 – A study score of at least 25 in English (any) and Mathematics (any).
Application: VTAC. Applicants must also lodge a BIT Application for Interview and Admission Form
VTAC code: 34311
2003 Round 1 Fringe ENTER: 87.60

Students gain ‘state-of-the-art’ skills in analysis, design, programming and implementation of systems plus the management skills necessary to apply information technology in the modern business world.

The course has been developed in cooperation with industry. It is a fast-track program (students complete a full four-year degree in three years) with all students being granted a scholarship of approximately $9800 per year, funded by sponsoring organisations. All students spend a total of 40 weeks (2 x 20 week periods) working in industry (Industry-Based Learning).

Graduates may find employment as a software developer, systems analyst, project manager, production manager, programmer, client service network consultant or network coordinator.

Information Technology – Beginners
Certificate I in Information Technology
Campus: C, L, P, W
Duration: Up to one year part-time.
Prerequisite: Access to a computer capable of running MS Office 2000 Suite, access to the Internet and the World Wide Web.
Application: Direct to Swinburne

This introductory course has been designed especially for those who require a basic knowledge of the Microsoft Office products. It provides training in word processing, spreadsheets, databases, PowerPoint and using the Internet.

This course provides prerequisite skills for students wanting to continue their studies in information technology.

Sam Yates is proof that studying Information Technology at Swinburne’s Lilydale campus can lead you to corners of the world you never thought you would visit. As part of a Swinburne research project, Sam visited the newly independent East Timor to investigate setting up an IT learning centre – an experience he won’t easily forget.

“Life in East Timor is amazing. There is virtually no electricity, no telephones – basically the things we take for granted are non-existent. However despite all of this the people are still so happy and friendly.”

Sam’s IT expertise was soon recognised, quickly becoming the resident guru often installing and fixing computer programs while working on the project. His travels also exposed him to the problems of education in East Timor, with the only quality education provided by the Catholic Church, a fact that inspired Sam to branch out even further than his original project.

“I’m planning to go back soon. I’d really like to organise some computer training for the nuns in programs like Excel and Word so they can pass on their skills to students. It’s a very practical way of improving education.”

His trip to East Timor, partially funded by a Swinburne scholarship, was an invaluable, practical experience that complemented his studies at Swinburne.

“I went there to set up the IT learning centre, but while I was working on it, I was grabbed to fix computers, so I learnt to be very flexible. The language barrier also meant that even simple tasks were difficult to do.”

This experience brought extra depth to his Information Technology degree which covered topics like web design, programming, systems analysis and project management. His time in East Timor will now form the basis for an Honours thesis exploring the potential for IT in the independent East Timor.

“I hope my thesis sets some groundwork for an integrated IT centre. At this point communication between aid agencies is a problem, so that needs to be fixed.”

As for personal ambitions, Sam is happy to work in any area of IT, with his international work experience sure to set him apart.
**Information Technology and Software Engineering**

Bachelor of Technology (Information Technology and Software Engineering)

Campus: L

Duration: Three years full-time or equivalent part-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 35271 (full-time), 35301 (part-time).

2003 Round 1 Clearly-In ENTER: 62.20

The course incorporates ‘state-of-the-art’ skills in information technology and software engineering, as well as a balance of existing approaches, which are necessary to apply technology and telecommunications in the modern organisational environment.

Employment in systems analysis and design, database development, system administration, programming, project leadership and management positions.

**Network Engineering**

Diploma of Information Technology (Network Engineering)

Campus: H, L, W

Duration: Two years full-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.

Application: VTAC

VTAC code: 77071(H), 70051(L), 71051(W)

This course provides students with software development skills: program design, code development, systems analysis and design, project management and client interaction.

Employment in software development. Alternatively, students will be well prepared to continue on to degree studies in computing and information technology.

**Software Applications**

Certificate III in Information Technology (Software Applications)

Campus: L, P, W

Duration: One semester full-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.

Application: Direct to Swinburne

This course aims to provide skills in the advanced use of computer applications. It is a practical program in computing applications, business operations and concepts.

Graduates may seek entry level employment in a broad range of information technology areas including client support, IT sales and marketing, and help desk vocations. Alternatively, they may progress to the Certificate IV in Information Technology.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.

**Software Development**

Diploma of Information Technology (Software Development)

Campus: L, P, W

Duration: Two years full-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.

Application: VTAC

VTAC code: tba(L), 78131(P), 71061(W)

This course provides students with software development skills: program design, code development, systems analysis and design, project management and client interaction.

Employment in software development. Alternatively, students will be well prepared to continue on to degree studies in computing and information technology.
Course Information Hotline: 1300 368 777

Software Engineering
Bachelor of Software Engineering
Campus: H
Duration: Four years full-time.*

VCE Prerequisite: Units 1 and 2 – Physics. Units 3 and 4 – a study score of at least 25 in English (any) and in one of Mathematical Methods or Specialist Mathematics.

Application: VTAC
VTAC code: 34961
2003 Round 1 Clearly-In ENTER: 81.00

This program is aimed at high achieving students interested in the development of large, complex computer systems. It provides an extensive education in contemporary approaches to the analysis, design and implementation of such systems using state-of-the-art methods and technology.

Graduates will typically find employment in organisations engaged in medium to large-scale software development. The course is oriented towards applications in areas such as aerospace, medicine and defence, where software plays a major role, often of a safety-critical nature.

Vice-Chancellor’s Scholarship
Vice-Chancellor’s Scholarship – Information Technology/Science
Campus: H
Prerequisite: ENTER of at least 95.00. Refer to individual course entries for specific prerequisites.

Application: VTAC
VTAC code: 34621
2003 Round 1 Clearly-In ENTER: 95.95

Under this program, students may select a degree or double degree, offered at Swinburne’s Hawthorn campus, in the science or IT areas and receive a HECS waiver scholarship for the duration of the degree.

Website Development
Diploma of Information Technology (Website Development)
Campus: L, P, W
Duration: Two years full-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.

Application: VTAC
VTAC code: to be advised

This course will prepare students to work in all areas of website development such as the integration of internal business systems with a browser interface, designing the processes and architecture of an enterprise’s Internet presence, aligning the client’s web presence with its business strategy and specifying e-business application system requirements.

Graduates may function at a senior operative level with responsibilities spanning design, development, site performance, database integration through to implementation and acceptance testing.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.

Being the only girl in a high school class of 23 males studying information technology made Cassie Burke somewhat of a novelty. The perception that IT was boring and too mathematical led Cassie to try a variety of careers before completing the Diploma of Information Technology (Network Engineering).

“When I first studied IT about ten years ago, females were generally not encouraged in the field, so it wasn’t my first study choice, although I was good at it.

“Even when I worked in bookkeeping I was more interested in the IT side of a company. I was constantly asking questions about the computer networks. After solving a few technical problems, I decided to give it a go.”

Swinburne’s Diploma of IT (Network Engineering) was the best option for Cassie, who wanted to keep working while she studied. She enjoyed the practical nature of the course, which covered the selection, installation and management of computer networks, as well as general client support.

“One of our subjects, Systems Analysis and Design, was especially relevant as we worked in groups to tackle case scenarios where we designed a network to specific client requirements. I was the project manager so the experience I gained was invaluable.”

While studying, Cassie landed her first IT job as a technician for Swinburne TAFE IT Services, which brought her to the attention of Swinburne’s National Centre for Gender and Cultural Diversity (NCGCD), who awarded Cassie with a runner-up placing in its annual Non Traditional Woman of the Year awards. Vocational Training category.

“I guess being one of six females in my course made me stand out. It was very flattering,” Cassie said. Most importantly for Cassie, the award led to a chance to inspire other females to work in traditionally male dominated areas, as a visiting speaker in secondary schools.

Cassie’s ultimate goal is to manage a complex computer network for an organisation while using her skills to adapt to and manage technological change. She also hopes to see more females in IT.

“I’d really encourage girls to aspire to study non-traditional areas like IT. Just jump in the deep end, and you will swim.”

Being the only girl in a high school class of 23 males studying information technology made Cassie Burke somewhat of a novelty. The perception that IT was boring and too mathematical led Cassie to try a variety of careers before completing the Diploma of Information Technology (Network Engineering).

“When I first studied IT about ten years ago, females were generally not encouraged in the field, so it wasn’t my first study choice, although I was good at it.

“Even when I worked in bookkeeping I was more interested in the IT side of a company. I was constantly asking questions about the computer networks. After solving a few technical problems, I decided to give it a go.”

Swinburne’s Diploma of IT (Network Engineering) was the best option for Cassie, who wanted to keep working while she studied. She enjoyed the practical nature of the course, which covered the selection, installation and management of computer networks, as well as general client support.

“One of our subjects, Systems Analysis and Design, was especially relevant as we worked in groups to tackle case scenarios where we designed a network to specific client requirements. I was the project manager so the experience I gained was invaluable.”

While studying, Cassie landed her first IT job as a technician for Swinburne TAFE IT Services, which brought her to the attention of Swinburne’s National Centre for Gender and Cultural Diversity (NCGCD), who awarded Cassie with a runner-up placing in its annual Non Traditional Woman of the Year awards. Vocational Training category.

“I guess being one of six females in my course made me stand out. It was very flattering,” Cassie said. Most importantly for Cassie, the award led to a chance to inspire other females to work in traditionally male dominated areas, as a visiting speaker in secondary schools.

Cassie’s ultimate goal is to manage a complex computer network for an organisation while using her skills to adapt to and manage technological change. She also hopes to see more females in IT.

“I’d really encourage girls to aspire to study non-traditional areas like IT. Just jump in the deep end, and you will swim.’
Design

Art and Design
Certificate IV in Aboriginal and Torres Strait Islander Art and Design
Campus: HV
Duration: Two years part-time.
Prerequisite: This program is only available to Aboriginal and Torres Strait Islanders. Applicants are selected by interview. Art and design experience is not required to enter the program.
Application: Direct to Swinburne.
This course aims to meet the needs of Aboriginal and Torres Strait Islanders in the development of their artistic skills to a professional level, which reflects an awareness of identity and pride in their culture and enables them to participate in community activities and/or seek further study or employment.
Employment as an artist, craftworker, or community artist. Successful completion of the course may also allow entry to one of Swinburne’s diploma or degree programs.

Communication Design
Bachelor of Design (Communication Design)
Campus: P
Duration: Three years full-time.*
VCE prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).
Note: Applicants are advised to undertake an art-related study such as art or graphic communication in Units 3 and 4 to assist in the development of a folio.
Application: VTAC. In addition selection will involve a written application, folio appraisal and interview.
VTAC code: 36101
2003 Round 1 Clearly-In ENTER: Individual offer
The Communication Design program aims to produce imaginative designers, who work effectively in areas where information is primarily conveyed by visual means – such as advertising, publishing, publicity, printing, merchandising, multimedia, education and research.
Employment may be found in in design consultancy, advertising, publishing, merchandising, government instrumentalities.

Graphic Design
Certificate IV in Arts (Applied Design)
Campus: L, P, W
Duration: One year full-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age. All applicants are required to present a folio of work at interview.
Application: VTAC and direct to Swinburne (both are required).
VTAC code: 71031(L), 78011(P), 71011(W)
This course provides preparatory training in graphic design enabling students to apply for further design studies in TAFE or Higher Education.
Successful completion of the course may allow Pathways to one of Swinburne’s diploma or degree programs. At the Prahran campus (only), students who complete the Certificate IV plus an Enhancement Program (at an appropriate level) are given direct entry into Year 2 of the Bachelor of Design (Communications Design) at the Swinburne’s National School of Design.
*An optional year of Industry-Based Learning (IBL) may also be available.
Course Information Hotline: 1300 368 777

Industrial Design
Bachelor of Design (Industrial Design)
Campus: P
Duration: Three years full-time.*
VCE prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).
Note: Applicants are advised to undertake an art-related study such as art or graphic communication in Units 3 and 4 to assist in the development of a folio.
Application: VTAC. In addition selection will involve a written application, folio appraisal and interview.
VTAC code: 36201
2003 Round 1 Clearly-In ENTER: Individual offer

Students learn a variety of presentation and communication techniques including digital modeling and model-making utilising a wide range of industry software and workshop based prototyping facilities. New materials and manufacturing techniques are explored with a view to creating product concepts for the future. The creative and technological thrust of the program is supported by business studies, professional practice, consumer knowledge, and ethics.

Employment opportunities exist in industry sectors such as furniture, automotive, sporting equipment, medical, exhibition, and set design.

Interior Design
Bachelor of Design (Interior Design)
Campus: P
Duration: Three years full-time.*
VCE prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).
Note: Applicants are advised to undertake an art-related study such as art or graphic communication in Units 3 and 4 to assist in the development of a folio.
Application: VTAC. In addition selection will involve a written application, folio appraisal and interview.
VTAC code: 36031
2003 Round 1 Clearly-In ENTER: Individual offer

This course deals with the design of exhibitions (such as trade shows, events and museum displays), public environments (for example theatres, cinemas, government agencies and institutions) and commercial spaces (including restaurants, offices, hotels, shopping areas and airports). Design projects typically cover the construction of 3D space, surface treatments, materials, lighting, sound, fittings and furniture design.

Employment opportunities exist in interior and exhibition design, hotel/retail design, theatre design, museum design, computer aided design, design management.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Multimedia Design

Bachelor of Design (Multimedia Design)

Campus: P

Duration: Three years full-time.*

VCE prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Note: Applicants are advised to undertake an art-related study such as art or graphic communication in Units 3 and 4 to assist in the development of a folio. It would also be an advantage to undertake two units from Maths, Physics, Computer Science, or Technological Design and Development.

Application: VTAC. In addition selection will involve a written application, folio appraisal and interview.

VTAC code: 36001

2003 Round 1 Clearly-In ENTER: Individual offer

This course prepares students to work with design for digital film production, the world wide web and computer interactive media. The study of time-based sequence design provides students with expertise in animation, 3D modeling, digital video, audio media, and communication design for electronic media.

Graduates may find work in design consultancies, information technology companies, media and entertainment studios, advertising agencies and government instrumentalities.

Product Design

Certificate IV in Arts (Applied Design)

Campus: W

Duration: One year full-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age. All applicants are required to present a folio of work at interview.

Application: VTAC and direct to Swinburne (both are required).

VTAC code: 71011

This course provides preparatory training in product design enabling students to apply for further industrial design studies in TAFE or Higher Education.

Successful completion of the course may allow Pathways to one of Swinburne’s diploma or degree programs.

Product Design Engineering

Bachelor of Engineering (Product Design Engineering)

Campus: H/P

Duration: Four years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), a study score of at least 20 in Mathematical Methods and in one of Biology, Chemistry, Information Technology: Information Systems, Physics, Psychology or Specialist Mathematics.

Application: VTAC. In addition, selection will involve a written application, folio appraisal and interview.

VTAC code: 34121

2003 Round 1 Clearly-In ENTER: Individual offer

This course is a combination of two traditionally separate fields each with its own strength. Engineering with its scientific material and manufacturing knowledge and Industrial Design with its human-centred approach have been brought together to produce graduates who will develop competitive products in both quality and design for Australian industry.

Graduates will find employment in industries dealing in the design, development and manufacture of domestic products or the automobile industry. Their role will be primarily in the area of design, innovation, project management and manufacturing.

*An optional year of Industry-Based Learning (IBL) may also be available.
Engineering and Technology

Air Transportation Management
Bachelor of Technology (Air Transportation Management)
Campus: H
Duration: Three years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), and a study score of at least 20 in Mathematical Methods, and in one of Biology, Chemistry, Information Technology: Information Systems, Physics, Psychology or Specialist Mathematics.
Application: VTAC
VTAC code: 34421
2003 Round 1 Clearly-In ENTER: 80.40
This course aims to provide graduates with the necessary training to pursue non-flying professional careers in the airline and airport industries. Employment may be found in the areas of airline management, airline flight operations, airline ground operations, airport management, airport operations, airport planning, aviation consultancy firms, aviation charter firms, air services, aviation regulatory and safety services, aviation safety authorities.

Air Transportation Management/Business
Bachelor of Technology (Air Transportation Management)/Bachelor of Business
Campus: H
Duration: Four years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), and a study score of at least 20 in Mathematical Methods, and in one of Biology, Chemistry, Information Technology: Information Systems, Physics, Psychology or Specialist Mathematics.
Application: VTAC
VTAC code: 34421
2003 Round 1 Clearly-In ENTER: 80.40
This course aims to provide graduates with the necessary training to pursue non-flying professional careers in the airline and airport industries. Employment may be found in the areas of airline management, airline flight operations, airline ground operations, airport management, airport operations, airport planning, aviation consultancy firms, aviation charter firms, air services, aviation regulatory and safety services, aviation safety authorities.

Automotive (Mechanical – Light Vehicle)
Certificate III in Automotive – Apprenticeship
Certificate II in Automotive – Pre-Apprenticeship
Campus: L, W
Duration: Certificate III: Three years part-time.
Certificate II: Six months full-time.
Prerequisite: Satisfactory completion of an appropriate Victorian Year 10 or its equivalent, or mature age. Certificate III applicants must be at least 15 years of age and apprenticed to an employer.
Application: Direct to Swinburne.
The Certificate III provides off-the-job training for motor mechanic apprentices, including how to repair all major vehicle components and being able to find and correct faults in cars, light trucks and 4 wheel drive vehicles.
The Certificate II aims to provide fundamental skills and knowledge for anybody seeking employment as an apprentice in the automotive industry. Employment in the automotive industry.

Automotive (Repair, Service and Retail)
Certificate IV in Automotive
Campus: W
Duration: Two years part-time.
Prerequisite: Successful completion of an automotive trade certificate or equivalent.
Application: Direct to Swinburne.
This course aims to provide training at an advanced skill in the automotive industry.
Employment as an advanced skill tradesperson, automotive technician.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
VTAC code: 34511

2003 Round 1 Clearly-In ENTER: 82.05

This course allows specialisation in aviation, encompassing management, human factors and technology as well as commercial flying training. Business studies are undertaken with core subjects, a management major and a choice of minor subjects. Refer to page 21 for Business major/minors.

Employment as a professional pilot in areas including airlines, flying instruction, charter work, police, air traffic control.

U Biomedical Engineering

Bachelor of Engineering (Biomedical Engineering)

Campus: H

Duration: Four years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), Mathematical Methods and Physics.

Application: VTAC

VTAC code: 34681

2003 Round 1 Clearly-In ENTER: 85.30

This degree maximises a student’s career choices through a combination of the study of the physical aspects of human physiology and the related technologies for clinical care and biomedical monitoring.

Graduates may work in biomedical areas of either the public sector, for example in hospitals, or in the health industry. Alternatively graduates may choose to work as an electrical engineer.

U Biotechnology

Bachelor of Engineering (Biotechnology)

Campus: H

Duration: Four years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), in one of Biology or Chemistry, and in one of Mathematical Methods or Specialist Mathematics.

Application: VTAC

VTAC code: 34471

2003 Round 1 Clearly-In ENTER: 85.95

This course aims to develop an understanding of the fundamentals of engineering and science; a mastery of the technical skills required for chemical engineering and bioprocess engineering; an appreciation for the history of engineering, its place in modern society, and its likely future development; various aspects of computer aided engineering; and of the responsibilities of engineers in cleaner production and environmental sustainability.

Employment as chemical engineers in the rapidly expanding biotechnology industries.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Biotechnology/Biotechnology

Bachelor of Engineering (Biotechnology)/Bachelor of Science (Biotechnology)

Campus: H

Duration: Five years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), in one of Biology or Chemistry, and in one of Mathematical Methods or Specialist Mathematics.

Application: VTAC

VTAC code: 34471

2003 Round 1 Clearly-In ENTER: 85.95

This course provides studies in biotechnological and chemical engineering, plus more in-depth studies of the scientific principles of biotechnology. Students will learn how to generate knowledge and understanding of biotechnology and to apply these to the creation of commercial products, processes and services. Graduates will undertake careers in chemical engineering especially as new developments in biotechnology influence the future of chemical engineering.

Biotechnology/Business

Bachelor of Engineering (Biotechnology)/Bachelor of Business

Campus: H

Duration: Five years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), in one of Biology or Chemistry, and in one of Mathematical Methods or Specialist Mathematics.

Application: VTAC

VTAC code: 34471

2003 Round 1 Clearly-In ENTER: 85.95

This double degree develops the full range of skills associated with chemical and biotechnological engineering as well as developing an understanding of the local and global business environment; general business knowledge and skills, especially in the area of management; an advanced understanding of the roles of research and development in business enterprises; an understanding of entrepreneurship in business; an understanding of the processes of innovation, and excellent skills for professional communication. Refer to page 21 for Business major/minors. The business studies provide graduates with enhanced employment opportunities in all areas of civil engineering.

Civil Engineering

Bachelor of Engineering (Civil)

Campus: H

Duration: Four years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), a study score of at least 20 in Mathematical Methods and in one of Biology, Chemistry, Information Technology: Information Systems, Physics, Psychology or Specialist Mathematics.

Application: VTAC

VTAC code: 34691

2003 Round 1 Clearly-In ENTER: 80.30

Civil engineering deals with the design, construction, and improvement of the built environment. Civil engineers provide the technical expertise and management skills to plan, design, construct and maintain such facilities as buildings, bridges, dams, water supply systems, waste treatment systems, road and rail networks, air and sea ports. Civil engineers work as planners, designers, construction managers, administrators, investigation and research engineers and consultants. They work for public authorities, municipalities, consulting firms and industry, or are self-employed.

Civil Engineering/Business

Bachelor of Engineering (Civil)/Bachelor of Business

Campus: H

Duration: Five years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), a study score of at least 20 in Mathematical Methods and in one of Biology, Chemistry, Information Technology: Information Systems, Physics, Psychology or Specialist Mathematics.

Application: VTAC

VTAC code: 34691

2003 Round 1 Clearly-In ENTER: 80.30

This course is designed to increase student knowledge, skills and understanding of civil engineering principles and a fundamental knowledge of business studies. Typically business studies commence in the third year of the program. Refer to page 21 for Business major/minors.

Computer Systems Engineering

Advanced Diploma of Computer Systems Engineering

Campus: C, H

Duration: Two years full-time or equivalent part-time.

VCE Prerequisite: Units 1 and 2 or Units 3 and 4 – Mathematics (any).

VTAC (full-time) or direct to Swinburne for part-time.

VTAC code: 70011(C), 77341(H)

This course is designed to provide a sound background and application of hardware and software components of modern computing systems including network technologies.

Employment as a technical officer who manages, controls or liaises in the areas of design, manufacture, analysis, supervision or engineering. Other opportunities include a systems manager or support officer for computer systems. It may also provide a Pathway to one of Swinburne’s degree programs.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Electrical
Certificate IV in Electrical
Campus: W
Duration: Up to four years part-time.
Prerequisite: Successful completion of an electrical trade certificate or equivalent.
Application: Direct to Swinburne.
This course provides post-trade study for persons seeking a career in electrical, electronics and allied industries. All the subjects required to complete the Certificate IV are not offered. Subjects offered include: Advanced PLC’s, SCADA System, PLC Systems Applications, Basic PLC’s, Programmable Controllers.

Electronics and Computer Systems
Bachelor of Engineering (Electronics and Computer Systems)
Campus: H
Duration: Four years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), Mathematical Methods and in one of Biology, Specialist Mathematics, Chemistry, Physics, Information Technology; Information Systems or Psychology.
Application: VTAC
VTAC code: 34591
2003 Round 1 Clearly-In ENTER: 80.00
This course provides professional career opportunities in a range of dynamic high-technology areas including the overlapping fields of computer hardware and software, telecommunications, electronics and electrical systems.
Employment in the areas of microprocessor applications, telecommunications, analog and digital electronics design, systems modelling and control, and chip design.

Electronics Engineering
Advanced Diploma of Electronics Engineering
Campus: C, H
Duration: Two years full-time or equivalent part-time.
VCE Prerequisite: Units 1 and 2 or Units 3 and 4 – Mathematics (any).
Application: VTAC (full-time) or direct to Swinburne for part-time.
VTAC code: 70431(C), 77431(H)
This course gives students a broad background in electronics, with an emphasis on digital technology and the application of microprocessors-controlled circuitry, communications and analogue electronics.
Employment as a technical officer who performs planning, design, analysis, supervision or engineering liaison. It may also provide a Pathway to one of Swinburne’s degree programs.

Electronics and Computer Systems/Business
Bachelor of Engineering (Electronics and Computer Systems)/Bachelor of Business
Campus: H
Duration: Five years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), Mathematical Methods and in one of Biology, Chemistry, Information Technology; Information Systems, Physics, Psychology or Specialist Mathematics.
Application: VTAC
VTAC code: 34591
2003 Round 1 Clearly-In ENTER: 80.00
This double degree maximises a student’s career choices through the study of engineering and business subjects. Students complete the first year of the standard Bachelor of Engineering degree. In second year they commence the Electronics and Computer Systems stream. Business studies commence in the third year of the program. Refer to page 21 for Business major/minors.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
**Electrotechnology Systems Electrician**

Certificate III in Electrotechnology – Apprenticeship  
Certificate I in Electrical – Pre-Apprenticeship  
Campus: H, W  
Duration: Cert III: Three years part-time.  
Cert I: Six months full-time.  
Prerequisite: Satisfactory completion of an appropriate Victorian Year 11 preferred or its equivalent, or mature age. Certificate III applicants must be at least 15 years of age and apprenticed to an employer.  
Application: Direct to Swinburne.  
This course provides students with the necessary skills and knowledge to work at trade level within the electrical industry. Employment as technicians capable of performing a range of complex functions without direct supervision, or further study in the Certificate IV Electrical.

**Engineering – Principal Technical Officer**

Advanced Diploma of Engineering Technology incorporating a Diploma  
Campus: H  
Duration: Three years full-time or equivalent part-time.  
VCE Prerequisite: Units 1 and 2 – Mathematical Methods or Units 3 and 4 – Mathematics (any).  
Application: VTAC or direct to Swinburne.  
VTAC code: 77091  
The course aims to meet the needs of people at the Metals and Engineering Award Classification C2b and managers in both public and private sectors across all engineering streams in small medium and large enterprises.  
Management positions in engineering with a high level of technical engineering knowledge.

**Engineering Technology (Post Trade)**

Certificate IV in Engineering Technology with streams in CNC Machining/Press Toolmaking (H)/Maintenance Fluid Power (W)  
Campus: H, W  
Duration: Two years part-time.  
Prerequisite: Successful completion of a fitting and machining trade certificate or equivalent.  
Application: Direct to Swinburne.  
Students who have already completed an apprenticeship course will develop a higher level of ability in the theoretical/practical side of the selected stream which will enable them to enter more highly skilled positions of responsibility in a wide variety of manufacturing industries.  
Employment in the mechanical post trade area equating to a C7 classification under the Metal Industry Award Restructure and Training program.

**Fabrication Trade**

Certificate I in Engineering – Pre-Apprenticeship  
Campus: H, W  
Duration: Six months full-time.  
Prerequisite: Satisfactory completion of Year 10 is preferred, or mature age.  
Application: Direct to Swinburne.  
This course provides employment opportunities as an apprentice or trainee in engineering trades in the areas of mechanical or fabrication.

**Fire Technology**

Diploma of Fire Technology incorporating a Certificate IV  
Campus: H or Distance Learning.  
Duration: Two years full-time or equivalent part-time.  
Prerequisite: There are no formal prerequisites.  
Application: VTAC (full-time) or direct to Swinburne for part-time or Distance Learning.  
VTAC code: 77631  
This course is designed to develop technical skills and knowledge and to train practitioners and designers to work with engineers and related professionals in the development, commissioning, monitoring and assessment of fire safety systems, practices and products and investigation of fire emergency incidents.  
Employment as practitioners in fire safety, insurance and systems design.

**Mechanical Engineering**

Bachelor of Engineering (Mechanical)  
Campus: H  
Duration: Four years full-time.*  
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), a study score of at least 20 in Mathematical Methods and in one of Biology, Chemistry, Information Technology: Information Systems, Physics, Psychology or Specialist Mathematics.  
Application: VTAC  
VTAC code: 34611  
2003 Round 1 Clearly-In ENTER: 80.50  
Mechanical engineering deals with the design, manufacture and maintenance of machine components and systems from small domestic products to highly complex vehicle and aerospace systems.  
Employment may be found in many areas of industry and commerce including: automotive, vehicle, transport, power, manufacturing, materials processing, appliance production, mechanical building services, mining and raw material conversion.  

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Working as a motor mechanic for five years, Ben Shute knew all there was to know about cars, but he was looking for a formal qualification so he headed to Swinburne TAFE to complete a Diploma of Engineering before transferring to the Bachelor of Engineering (Mechanical Engineering) course.

"I wanted to get into engineering, so I thought a diploma was the best option. My marks were really good, so I was able to transfer to the degree, which was another advantage."

"I really liked the fact that the degree emphasised teamwork in most of the subjects, and there was also a strong practical focus."

A highlight of the course for Ben was having the chance to supervise 23 of his fellow classmates while creating a racing car for entry in the prestigious Society of Automotive Engineers (SAE) competition. The competition gives students a chance to create their own racing team while designing and manufacturing their own racing car in line with technical specifications from the SAE.

"The project was just as much about group work as it was about engineering. It was run like a company so it was great experience. I had to keep everybody focused on deadlines, keeping within budget as well as marketing the car and getting as much sponsorship as possible."

Ben and his team’s hard work paid off with Full Boar Racing coming fourth Australia-wide, and for the third consecutive year finishing as the leading Victorian university. The team were also finalists in the design category.

"It was a fantastic result and we were really happy about the runner-up placing as well. We spent a lot of time on the concept before we even picked up a tool, so it was great that was acknowledged."

Now that the race is finally over, Ben is working for Holden’s worldwide purchasing and logistics division.

"It’s a great job and a great start in the field, it gives me a chance to use my business and problem solving skills in an industry that I love."
Photonics

Bachelor of Science (Photonics)
Campus: H
Duration: Three years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), and Mathematical Methods.
Application: VTAC
VTAC code: 34011
2003 Round 1 Clearly-In ENTER: 81.50
Photonics involves the control, transfer and storage of information using light, and it will play a major role in current and future generations of telecommunications and information systems. The course provides an in-depth understanding of photonics (light, lasers, optics, optoelectronics) and its application in the telecommunications industry.
Professional careers in the expanding field of photonics, fibre optics and lasers, especially for research and development in the telecommunications or medical industries.

Photonics/Telecommunications and Internet Technologies

Bachelor of Science (Photonics)/Bachelor of Engineering (Telecommunications and Internet Technologies)
Campus: H
Duration: Five years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), and Mathematical Methods.
Application: VTAC
VTAC code: 34011
2003 Round 1 Clearly-In ENTER: 81.50
This double degree maximises a student's career choices through a combination of photonics (light, lasers, optics, optoelectronics) and telecommunications (local and global digital networking, mobile and fibre optics communications).
Professional careers in the converging telecommunications and internet industries, or research and development photonics-based research.

Product Design Engineering

Bachelor of Engineering (Product Design Engineering)
Campus: H/P
Duration: Four years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), a study score of at least 20 in Mathematical Methods and in one of Biology, Chemistry, Information Technology: Information Systems, Physics, Psychology or Specialist Mathematics.
Application: VTAC. In addition, selection will involve a written application, folio appraisal and interview.
VTAC code: 34121
2003 Round 1 Clearly-In ENTER: Individual offer
Now that he has completed the degree, Peter is hoping to spend more time developing the glove and pursuing a professional career as a product designer.
This course is a combination of two traditionally separate fields each with its own strength. Engineering with its scientific material and manufacturing knowledge and Industrial Design with its human-centred approach have been brought together to produce graduates who will develop competitive products in both quality and design for Australian industry.

Graduates will find employment in industries dealing in the design, development and manufacture of domestic products or the automobile industry. Their role will be primarily in the area of design, innovation, project management and manufacturing.

### Renewable Energy Technology

Advanced Diploma of Renewable Energy incorporating a Diploma

**Campus:** H or Distance Learning.

**Duration:** Three years full-time or equivalent part-time.

**Prerequisite:** Units 1 and 2 – Mathematics (any).

**Application:** VTAC (Semester 1 full-time) or direct to Swinburne for part-time, mid-year intake or Distance Learning.

**VTAC code:** tba

This course equips students with the knowledge to plan, design, research, commission, diagnose and rectify faults; install and maintain larger scale, more complex, renewable energy systems including hybrid power systems (ELV only).

Employment opportunities include operation of small business in renewable energy – sales, design systems and installation; management of renewable energy organisations; consultancy to local government and large enterprises regarding energy auditing and management and larger scale, more complex, renewable systems.

### Research and Development/ Electronics and Computer Systems

Bachelor of Science (Research and Development)/Bachelor of Engineering (Electronics and Computer Systems)

**Note:** Also known as the Vice-Chancellor’s Scholarship program.

**Campus:** H

**Duration:** Five years full-time.

**VCE Prerequisite:** Units 3 and 4 – a study score of at least 25 in English (any), Mathematical Methods and one of Biology, Chemistry, Information Technology: Information Systems, Physics, Psychology or Specialist Mathematics.

**Application:** VTAC.

**VTAC code:** 34531

2003 Round 1 Clearly-In ENTER: 95.35

This program is offered exclusively to Vice-Chancellor’s Scholarship holders. As well as having the objectives of the Bachelor of Engineering in Electronics and Computer Systems, it aims to prepare highly capable students for careers in research and development laboratories by participation in research projects with leading research groups at Swinburne.

Professional employment in research and development laboratories and careers in engineering and science.

### Robotics and Mechatronics

Advanced Diploma of Engineering Technology incorporating a Diploma

**Campus:** H

**Duration:** Two years full-time or equivalent part-time.

**VCE Prerequisite:** Units 1 and 2 – Mathematical Methods or Units 3 and 4 – Mathematics (any).

**Application:** VTAC (full-time) or direct to Swinburne for part-time.

**VTAC code:** 77101

This course equips students with the knowledge and skills required for a career in electronic and mechanical engineering. This includes the design and manufacture of equipment utilising electronic and mechanical systems.

Wherever complex machines are designed and produced, there is a growing need for mechatronics, but especially in the areas such as: automobiles, ships, aerospace systems, pneumatic, hydraulic and electrical controls and drives, robotics, automated production systems, consumer goods, food processing, petrochemicals and defence systems.

### Robotics and Mechatronics

Bachelor of Engineering (Robotics and Mechatronics)

**Campus:** H

**Duration:** Four years full-time.*

**VCE Prerequisite:** Units 3 and 4 – a study score of at least 25 in English (any), a study score of at least 20 in Mathematical Methods and in one of Biology, Chemistry, Information Technology: Information Systems, Physics, Psychology or Specialist Mathematics.

**Application:** VTAC.

**VTAC code:** 34581

2003 Round 1 Clearly-In ENTER: 84.85

This course brings together the complementary disciplines of Robotics and Mechatronics which are founded in the engineering sciences of mathematics and mechanical/electronic engineering. It also addresses management issues including technology management, accounting and law. The course includes the study of bionics and micromachines which have a significant influence on the design of mechatronic systems for an increasing range of applications.

Employment can be sought in industries such as robotics, airlines, chemical industries, automotive, appliance manufacturing and industrial research; in a variety of roles including design engineer, project planner, product designer and project manager.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.*
Robotics and Mechatronics/Computer Science and Software Engineering

Bachelor of Engineering (Robotics and Mechatronics)/Bachelor of Science (Computer Science and Software Engineering)

Campus: H
Duration: Five years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), Mathematical Methods and in one of Biology, Chemistry, Physics, Psychology, Information Technology; Information Systems or Specialist Mathematics.
Application: VTAC.
VTAC code: 34991
2003 Round 1 Clearly-In ENTER: 90.90

This course provides a major focus on the application of advanced computing techniques on the design and operation of robotic and mechatronic systems. It combines mechanical engineering, electrical engineering, electronic and software engineering in the design, development and control of diverse systems used in a range of industries including manufacturing, medicine and the service industries.

Careers in a wide spectrum of industries including robotics, aerospace, chemical, defence, automotive and manufacturing where complex software plays a major role, as well as in businesses that require extensive computer support, such as banking and commerce.

Telecommunications and Internet Technologies

Bachelor of Engineering (Telecommunications and Internet Technologies)

Campus: H
Duration: Four years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), and Mathematical Methods.
Application: VTAC.
VTAC code: 34201
2003 Round 1 Clearly-In ENTER: 81.10

This course provides an in-depth understanding of the technology of the internet and the international telecommunications industry. It covers the Internet, local and global digital networking and mobile communication systems for tomorrow’s broadband interactive information highways.

Graduates will find rewarding high-tech careers in the converging telecommunications, multimedia, computing, and internet ‘information technology’ industries. They may become an internet applications engineer, a telecommunications link designer, an embedded computing systems designer, an embedded software systems designer, a network switching and protocol designer, an analyst/designer/manager of internal corporate multimedia networks, or a network administrator/web-master.

An optional and additional year of Industry-Based Learning (IBL) may also be available.

Telecommunications and Internet Technologies

Bachelor of Engineering (Telecommunications and Internet Technologies)/ Bachelor of Science (Computer Science and Software Engineering)

Campus: H
Duration: Five years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), and Mathematical Methods or Specialist Mathematics.
Application: VTAC.
VTAC code: 34791
2003 Round 1 Clearly-In ENTER: 93.95

This course provides education for professional careers in the converging telecommunications, Internet and information industries. It has a major focus on the application of computers, computer networking and software engineering in the Internet/telecommunications field.

Graduates will find rewarding high-tech careers in the converging telecommunications, Internet, information and software engineering industries.

Vice-Chancellor’s Scholarship

Vice-Chancellor’s Scholarship – Engineering

Campus: H
Prerequisite: ENTER of at least 95.00. Refer to individual course entries for specific prerequisites.
Application: VTAC
VTAC code: 34531
2003 Round 1 Clearly-In ENTER: 95.95

Under this program, students may select a degree or double degree, offered at Swinburne’s Hawthorn campus, in the engineering areas and receive a HECS waiver scholarship for the duration of the degree.

Welding

Certificate II in Engineering incorporating a Certificate I

Campus: H, W
Duration: Up to two years part-time
Prerequisite: There are no formal entry requirements, however applicants must be at least 15 years of age.
Application: Direct to Swinburne

This course qualifies students for the welding and fabrication industry where competent welding skills are required. Major studies include: gas tungsten, manual, gas metal and submerged arc welding.
Health and Human Services

T | Aged Care Work
Certificate III in Community Services (Aged Care Work)
Campus: C, P
Duration: Sixteen weeks full-time (P), one year part-time (C).
Prerequisite: Preference is given to people with experience working with older people or people with disabilities.
Application: Direct to Swinburne.
This course aims to provide an accredited training program for people who work in the aged care sector; in a range of industry workplaces or on a one-to-one basis with individual clients.
Employment as aged care or personal care worker with older people and people with disabilities in both community and residential settings.

U | Biochemistry
Bachelor of Science (Biochemistry)
Campus: H
Duration: Three years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), one of Biology or Chemistry, and in one of Mathematical Methods or Specialist Mathematics.
Application: VTAC
VTAC code: 34241
2003 Round 1 Clearly-In ENTER: 82.90
Biochemistry is the study of molecules of life, their structure and role(s) in the processes of animals, plants and micro-organisms. It has application in all areas of life where an understanding of the molecular basis of biology is important – from nutrition and agriculture through to medicine and psychology.
Biochemists work in many areas, including medical research, environmental research, clinical biochemistry, biotechnology, microbiology, food production, agricultural biochemistry, beverage production, fermentation technology, pharmaceutical production, biomolecular research, protein engineering, wine science, waste treatment, biodegradation and bioremediation.

T | Alcohol and Other Drugs Work
Certificate IV in Community Services (Alcohol and Other Drugs Work)
Campus: P, W
Duration: One year full-time or equivalent part-time.
Prerequisite: Preference will be given to those currently employed in the industry, those who have past experience, and those with personal experience in caring for people with alcohol and/or other drug issues.
Application: Direct to Swinburne.
This course aims to provide appropriate training for workers whose primary role is to reduce the harm associated with the use of alcohol and other drugs.
Employment in the community services sector in areas that provide clinical support services, community development, health promotion and prevention services.

U | Biomedical Sciences
Bachelor of Science (Biomedical Sciences)
Campus: H
Duration: Three years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), Physics and Mathematical Methods.
Application: VTAC
VTAC code: 34681
2003 Round 1 Clearly-In ENTER: 85.30
This course covers specialist theoretical and practical study of the functional aspects of the human body as well as study of the modern instrumentation and technology required in clinical care and other monitoring environments.
Employment in the health care sector, medical equipment companies and sports medicine area. Hospital careers include intensive care support, medical technologist positions in cardiovascular, respiratory and neurological medicine, biomedical engineering.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
**Biomedical Sciences/Electronics and Computer Systems**

Bachelor of Science (Biomedical Sciences)/Bachelor of Engineering (Electronics and Computer Systems)

Campus: H

Duration: Five years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), Physics and Mathematical Methods.

Application: VTAC

VTAC code: 34681

2003 Round 1 Clearly-In ENTER: 85.30

This double degree maximises a student’s career choices through a combination of the study of the physical aspects of human physiology and the related technologies for clinical care and biomedical monitoring, together with studies in electrical engineering.

Graduates may work in biomedical areas of either the public sector, for example in hospitals, or in the health industry. Alternatively, graduates may choose to undertake work as an electronics engineer.

**Child Protection/Juvenile Justice**

Certificate IV in Community Services (Child Protection, Statutory Supervision and Juvenile Justice)

Campus: P, W

Duration: One year full-time.

Prerequisite: This course is offered to students who have completed, or are currently completing, the Certificate IV in Community Services (Youth Work).

Application: Direct to Swinburne.

This course aims to provide participants with the knowledge, skills and values to perform competently as professional workers in the child protection, juvenile justice or statutory supervision sector.

**Children’s Services**

Advanced Diploma of Community Services (Children’s Services)

Campus: P

Duration: One year full-time or equivalent part-time.

Prerequisite: Successful completion of the Diploma of Community Services (Children’s Services) – Centre Based Care or equivalent.

Application: Direct to Swinburne.

This course is designed to further the leadership and management skills of those working in children’s services who hold positions of responsibility or who wish to gain positions of responsibility.

Leadership and management roles in the children’s services industry.

**Children’s Services – Centre Based Care**

Diploma of Community Services (Children’s Services)

Certificate III/II level courses also offered.

Campus: C, P

Note: Certificate II is only offered at Croydon

Duration: Two years full-time or equivalent part-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or Alternative Category entry.

Application: VTAC (full-time) or direct to Swinburne for part-time and certificates. All applicants must complete a Child Care application form.

VTAC code: 70021(C), 78051(P)

This course is designed to provide the skills, knowledge and understanding required for those who want to work with children as fully qualified child care professionals. Graduates provide care for the social, emotional, physical and educational needs of infants and children, specialising in children 0-6 years.

The majority of graduates work as fully qualified professionals in child care centres where they are responsible for providing a program of care and education to children under six.

**Children’s Services – Out of School Hours Care**

Diploma of Community Services (Children’s Services)

Campus: C, P

Duration: Two years part-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or Alternative Category entry.

Application: Direct to Swinburne.

This course is designed to provide the skills, knowledge, understanding and practical skills to work with children and their families in Outside School Hours Care (OSHC) programs. Graduates provide quality care for the social, emotional, physical, educational and recreational needs of school age children (5-12 years).

Graduates work in a range of services including Before School Care, After School Care, Vacation Care and Camp Programs as fully qualified staff.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.*
**Community Services – Management**

Diploma of Community Services (Management)

*Campus: W*

*Duration: Two years part-time.*

*Prerequisite: Demonstrated experience in a supervisory or higher level in the Community Services sector.*

*Application: Direct to Swinburne.*

Participants will develop skills and knowledge with a focus on community services, including co-ordination and management skills in administration, finance, client service provision, policy, occupational health and safety (OH&S), communication and optional areas in training and assessing, networking, community resources and education, case management and volunteering.

Management across all community service sectors.

---

**Community Work**

Diploma of Community Services (Community Work)

*Campus: P*

*Duration: Two years full-time or equivalent part-time.*

*Prerequisite: Mature age with at least two years experience in the field.*

*Application: Direct to Swinburne.*

This course aims to provide students with the skills and knowledge required to be an effective worker with various community organisations to achieve significant social change.

Employment outcomes include community education worker, migrant resource and support work, or community work in a range of government and non-government agencies.

---

**Disability Work**

Certificate IV in Community Services (Disability Work)

*Campus: P, W or Workplace.*

*Duration: One year full-time or equivalent part-time.*

*Prerequisite: Preference is given to people who have experience with people with disabilities.*

*Application: Direct to Swinburne.*

This course aims to provide training for people working with people with disabilities.

Employment in residential, employment, training, recreation or advocacy settings.

---

**Diversional Therapy**

Certificate IV in Community Services (Aged Care Work)

*Campus: P*

*Duration: One year full-time or equivalent part-time.*

*Prerequisite: Preference is given to people with experience working with older people or people with disabilities.*

*Application: Direct to Swinburne.*

Providing leisure opportunities for older people and people with disabilities is a new and growing field in Australia. This course aims to provide accredited training to people currently working or wishing to work within this area.

Employment as a diversional therapist, personal carer in the aged and/or disability services field.

---

**Nursing**

Certificate IV in Health (Nursing)

*Campus: C, P*

*Duration: One year full-time or equivalent part-time.*

*Prerequisite: Satisfactory completion of an entry test and interview.*

*Application: Direct to Swinburne.*

This course is designed in explicit recognition of the merging nature of health care delivery, across five fields of nursing – aged care, acute care, mental health, rehabilitation and community nursing.

Employment as Division 2 Nurses in nursing homes, hospitals, hostels, mental health, acute care and community settings.

---

**Occupational Health and Safety**

Diploma of Occupational Health and Safety incorporating a Certificate IV/III

*Campus: H*

*Duration: Three years part-time.*

*Prerequisite: Work experience and a demonstrated interest in OHS.*

*Application: Direct to Swinburne.*

This course concerns the identification, assessment and control of conditions in the work environment that are harmful to the health and safety of people in all occupations. It also covers the prevention of accidents, injuries and ill health and the rehabilitation of injured workers.

Occupational health and safety personnel are employed in a wide range of public and private organisations.
Outdoor Recreation

Diploma of Outdoor Recreation incorporating a Certificate IV/III
Campus: C and Eildon
Duration: Two years full-time.
Prerequisite: Applicants over 21 years of age are preferred and a background in outdoor recreation is highly recommended.
Application: VTAC
VTAC code: tba
This course is delivered in partnership with the Outdoor Education Group (OEG), which is based at Eildon in North East Victoria. The course aims to develop technical and interpersonal skills, professional judgement and prudent safety skills.
Graduates will be able to undertake a significant role in the management of outdoor recreation enterprises or facilities and have the capacity to develop and conduct extended outdoor programs or activities in a variety of environmental conditions.

Psychology/Biochemistry

Bachelor of Science (Psychology/Biochemistry)
Campus: H
Duration: Three years full-time.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), in one of Biology or Chemistry, and in one of Mathematical Methods, Specialist Mathematics, or a study score of at least 30 in Further Mathematics.
Application: VTAC
VTAC code: 34161
2003 Round 1 Clearly-In ENTER: 85.35
This course covers both psychology and the biochemical structures and processes that underpin and influence human behaviour. Psychology studies emphasise vocational skills and knowledge relevant to applied fields. Biochemistry is the study of the structures and processes of living things based on the principles of chemistry and biology.
Employment may be found in medical and biomolecular research, neurological research, community health services, clinics and institutions involved in the assessment and management of persons with neurological problems, clinical psychology, sports psychology.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
With a keen interest in psychology and excellent VCE results, Edith Szabo had plenty of courses to choose from, but only the Bachelor of Arts (Psychology/Psychophysiology) course seemed to combine her love of theoretical and neurological psychology.

“I always loved psychology, but most of the courses seemed to be either arts or science-based. But Swinburne’s arts course offered the best balance, including subjects like pharmacology and neurophysiology. My sister also did arts at Swinburne and thoroughly recommended it.”

After enrolling, Edith quickly found that Swinburne’s smaller class sizes were another great aspect of the course. “Swinburne has a really supportive atmosphere, and the lecturers and tutors are very approachable. I really loved Uni life – it definitely lived up to my expectations.”

This support meant Edith easily adjusted to the rigours of her course, which placed significant emphasis on statistical analysis of research.

“Every year we studied a statistics subject for a semester, which added so much depth to the course.”

As well as depth, Edith says completing the subject and her honours thesis has been invaluable for her work as a research assistant with the Cancer Council.

“I work on a variety of research projects and quantitative results analysis is important. The arts subjects I did were equally valuable, as they taught me to analyse and think critically, also a very important skill. At work, I constantly draw on skills I developed throughout the degree and especially in my thesis, where I had to adhere to strict deadlines and requirements.”

Despite the competitive job market, Edith’s positive attitude and excellent results helped land her the position with the Cancer Council, where she has been working for the past year.

“There were a lot of honours graduates applying for the position, but I was very keen, I really love what I do, and I think that came through during the interviews.”
Public and Environmental Health
Bachelor of Health Science (Public and Environmental Health)
Campus: H
Duration: Four years full-time including one year of Industry-Based Learning (IBL).
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), and in one of Biology, Chemistry, or Physics, and in one of Mathematical Methods, Specialist Mathematics or a study score of at least 30 in Further Mathematics.
Application: VTAC
VTAC code: 34051
2003 Round 1 Clearly-In ENTER: Individual offer
Food safety, disease prevention, environmental hazards management, noise assessment, water quality and health promotion are all environmental health issues affecting community health. Environmental health management is concerned with protecting the environment and the health of people living in it and involves monitoring, assessment, correcting, controlling, and education as appropriate.
Employment may be found with commonwealth, state and local government authorities, and increasingly, food and waste management industries and private consultancies.

Sport Development
Diploma of Sport Development incorporating a Certificate IV
Campus: H
Duration: Two years full-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent or mature age. Preference will be given to applicants who can demonstrate sport or recreation experience.
Application: VTAC. Applicants must also complete a Profile application form.
VTAC code: 77981
This course aims to provide an accredited training program for people wishing to pursue a career in the sporting industry.
Employment in the recreation industry.

Welfare Work
Diploma of Community Services (Welfare Work)
Campus: P, W
Duration: Four years part-time.
Prerequisite: Applicants are required to have one or more years paid or unpaid welfare related work experience.
Application: Direct to Swinburne.
The course aims to provide participants with the knowledge, skills and values to perform competently as professional and social welfare workers. Major studies include: sociology, psychology, welfare practice, community development, social policy, counselling skills.
Employment as social welfare workers.

Youth Work
Certificate IV in Community Services (Youth Work)
Campus: P, W
Duration: One year full-time or equivalent part-time.
Prerequisite: Applicants are required to demonstrate personal maturity and aptitude for involvement in the course. Paid or unpaid experience relevant to the course is an advantage.
Application: Direct to Swinburne.
This course prepares students for direct care roles in residential care, juvenile justice and community support.
Direct care roles in residential care, juvenile justice and community support.

Louise Dunn wants all her students to ‘think outside the square’ and recognise that they are valuable members of the community who can make a difference in their future roles.

“I believe health science students have a unique opportunity to use their skills to help protect the community from food borne and infectious diseases and protect the environment through pollution prevention, control and management.”

Louise’s students certainly benefit from her vast industry experience encompassing environmental health, health promotion and public and environmental health consultancy.

To Louise, learning is just as important as the outcome. “A positive learning experience is essential for students to continually develop both academically and professionally in their future roles.”
Hospitality and Tourism

Commercial Cookery
Certificate III in Hospitality (Commercial Cookery) – Apprenticeship
Campus: L, P
Duration: Three years part-time (one day per week).
Prerequisite: Satisfactory completion of an appropriate Victorian Year 10/11 or its equivalent, or mature age. Students are also required to secure an apprenticeship agreement with an employer.
Application: Direct to Swinburne.
This course aims to provide training and skill development in kitchen operations and reflects the role of a qualified cook or chef.
Employment as cook or further study in cookery or hospitality management.

Hospitality – Management
Diploma of Hospitality (Management)
Campus: L, P
Duration: Two years full-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.
Application: VTAC. Applicants must also complete a pre-selection form.
VTAC code: 70211(L), 78571(P)
This course aims to develop a broad awareness and understanding of the hospitality industry. The skills and competencies attained at the Diploma level reflect those required by managers and supervisors.
Employment in hospitality operations at a supervisory level or further study at the degree level.

Kitchen Operations
Certificate II in Hospitality (Kitchen Operations) – Pre-Apprenticeship
Campus: L, P
Duration: Six months full-time.
Prerequisite: Satisfactory completion of an appropriate Victorian Year 10/11 or its equivalent, or mature age.
Application: Direct to Swinburne.
This course aims to provide participants with the skills and expertise which will enable them to work within the hospitality industry as a commercial cook (Grade 3).
Employment as cook or further study in cookery or hospitality.

Tourism – Meetings and Events Management
Diploma of Tourism (Meetings and Events Management)
Campus: P
Duration: Two years full-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.
Application: VTAC. Applicants must also complete a pre-selection form.
VTAC code: 78651
This course covers general studies of the tourism industry, sales and marketing. Second year focuses on the management issues of meetings, conferences and event management.
Employment in areas such as meeting and conference administration, registration or supervision and event management.

Tourism – Operations Management
Diploma of Tourism (Operations Management) incorporating a Certificate III/II
Campus: L
Duration: Two years full-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age. No prerequisites apply to the Certificates.
Application: VTAC (Diploma) or direct to Swinburne for the Certificates.
Applicants must also complete a pre-selection form.
VTAC code: 70591
This course covers general studies of the tourism industry, guiding, sales and office operations. The Diploma focuses on the managerial aspects of the tourism industry.
Employment as operations or attractions manager, operations consultant, tour co-ordinator or specialist guide.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Course Information Hotline: 1300 368 777

**Tourism and Management**
Bachelor of Business (Tourism and Management)
Campus: L
Duration: Three years full-time or part-time equivalent.*
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).
Application: VTAC
VTAC code: 35031 (full-time), 35521 (part-time)
2003 Round 1 Clearly-In ENTER: 60.45

This course is designed to prepare graduates for self-employment or professional careers in public and private sector organisations concerned with tourism. The core subjects provide the knowledge and basic skills required in the broad business environment, while the management stream extends and reinforces these foundations as they apply in the operation of small and medium sized organisations.

Graduates of this course may find employment in the wide range of tourism enterprises (e.g., attractions, transport and tour services), in other enterprises where tourists are involved (e.g., museums and national parks), and in administrative or coordinating organisations such as regional tourism authorities.

---

**Tourism/Hospitality Management**
Bachelor of Business (Tourism and Management) and Diploma of Hospitality (Management)
Campus: L
Duration: Four years full-time.
Note: The first two years are predominately TAFE studies.
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).
Application: VTAC
VTAC code: 35051
2003 Round 1 Clearly-In ENTER: 60.15

This dual award provides an opportunity for students to combine specific customer-related competencies and hospitality industry experience with the knowledge, skills and understandings required for sound management in the broader tourism system. Students will undertake concurrent studies at theoretical and practical levels in the hospitality, tourism and enterprise management areas, and have the opportunity to relate these to other business areas such as marketing, financial management, and human resource management.

Graduates may find employment in a range of tourism and tourism related fields from enterprise marketing to small/medium sized business management.

---

Table setting, plate clearing and silver service are just another part of Kazumi Maruo’s Diploma of Hospitality (Management) studies at Swinburne and not skills she expected would take her to the finals of the State Waiter of the Year competition.

“It was exciting and made me a little nervous. As I’m only new to Australia and my English is not perfect, I was really pleased to be a finalist.”

Her success is not surprising, given that ever since Kazumi can remember, she has always enjoyed experimenting with food and meeting people, making her ideally suited to Swinburne’s Diploma of Hospitality.

“I worked as a pharmacy assistant in Japan for five years and didn’t like it. I felt like every day was the same but in hospitality it’s more exciting. I am also interested in the wine industry, and Japan’s is not as big as Australia’s, which is why I came here.”

Kazumi’s concerns about her English skills were soon put to rest by her sister, who she says gave her lots of confidence and helped organise her trip.

“I was a little worried at first, but the TAFE teachers and the English Language Centre at the Prahran campus were really helpful.”

The support left her free to concentrate on her classes, of which the practical kitchen class is her favourite.

“At Mecanix (Prahran campus restaurant) we get real experience and a chance to cook for real guests.”

Kazumi has already put these skills to practise in a new job at Docklands’ Mecca Bar as a waitress, where she looks forward to meeting new people every shift.

“It’s a great job, I work behind the bar, serve customers and waitress. Mecca serves modern Middle Eastern cuisine and every day I learn something different. Everything I learn in class I can bring to my work.”

Having completed the Certificate IV component of her Diploma, Kazumi is looking forward to finishing her diploma, after which she has sights set on working in a winery.

“If I don’t forget my English, I’d like to work in Australia in a winery – that would be a perfect job.”

*An optional and additional year of Industry-Based Learning (IBL) may also be available.*
**Interactive Multimedia**

Bachelor of Technology (Interactive Multimedia)

Campus: L

Duration: Three years full-time or equivalent part-time.*

VCE prerequisites: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 35261 (full-time), 35311 (part-time)

2003 Round 1 Clearly-In ENTER: 60.80

This course integrates information technologies, telecommunications and multimedia concepts. Increasingly, interactive multimedia is becoming a dominant mode of delivering information and entertainment and is escalating in its use within business, government and educational institutions to create, promote and sell products and provide graphic information about services.

Employment in areas of multimedia application design and development.

**Multimedia – Arts**

Certificate III in Multimedia

Campus: L, W

Duration: Six weeks full-time, or (subject to availability) the equivalent part-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age.

Application: Direct to Swinburne

This course gives a basic foundation in design and the related use of interactive multimedia applications.

Employment across a range of industry sectors including, graphic design, pre-press, advertising, publishing information design/performing/visual arts, or further study.

**Multimedia – Business Marketing**

Bachelor of Multimedia (Business Marketing)

Campus: H and P

Duration: Three years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 34061

2003 Round 1 Clearly-In ENTER: 85.45

This course serves the needs of those wishing to pursue a multimedia-oriented career, particularly related to the production and design of multimedia applications. Graduates will provide their future employers with comprehensive skills in the principles and practice of marketing as they are applied in a multimedia environment, with a solid grounding in the analysis and modelling of market conditions.

A broad spectrum of career opportunities in eCommerce and the multimedia industry.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Multimedia – Design
Advanced Diploma of Multimedia (Design)
Campus: P, W
Duration: Two years full-time.
Prerequisite: Successful completion of at least the first year or an approved art, design or media course at a post-VCE or equivalent Year 12 level, or mature age with relevant work experience.
Application: VTAC. All applicants are required to complete a Supplementary Application Form and present a folio of work at interview.
VTAC code: 78981(P), 71091(W)

This course aims to give students the broad based and specialisations necessary for initiating and developing an electronic media career path and to work with digital technologies within the arts, screen design, and media industries.

Employment may be found in the areas of multimedia design, web design, new media arts, film and video post-production, 3D modelling and 2D and 3D animation, visual art studio practice, graphic design and the screen arts industries.

Successful completion of the course may also allow Pathways to the Bachelor of Design (Multimedia Design) at the National School of Design.

Multimedia Design
Bachelor of Design (Multimedia Design)
Campus: P
Duration: Three years full-time.

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Note: Applicants are advised to undertake an art-related study such as art or graphic communication in Units 3 and 4 to assist in the development of a folio. It would also be an advantage to undertake two units from Maths, Physics, Computer Science, or Technological Design and Development.

Application: VTAC. In addition, selection will involve a written application, folio appraisal and interview.
VTAC code: 36001

2003 Round 1 Clearly-In ENTER: Individual offer

This course prepares students to work with design for digital film production, the world wide web and computer interactive media. The study of time-based sequence design provides students with expertise in animation, 3D modeling, digital video, audio media, and communication design for electronic media.

Graduates may find work in such diverse industries as post-production houses (including the film and television industry), digital video, animation, web design consultancies, and video game design houses.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.

Multimedia – Information Technology
Certificate III in Multimedia (Information Technology)
Campus: H, L, W
Duration: One semester full-time or equivalent part-time.

Note: Hawthorn campus part-time (evening) only.
Prerequisite: Successful completion of an appropriate Victorian Year 11 or its equivalent, or mature age.
Application: Direct to Swinburne.

This course covers a broad range of basic media-related tasks, and provides a foundation from which to enter the multimedia industry or proceed to further study.

Employment as a trainee in the multimedia industry or further study.
Swinburne's Bachelor of Multimedia (Multimedia Software Development) course brought Carlos Vela all the way from Mexico, where he already had completed an industrial engineering degree.

“When I worked as an engineer in Mexico, I helped develop a training CD-ROM teaching quality standards to the manufacturing industry. This got me interested in multimedia, and I wanted to visit Australia so I applied for Swinburne’s course. I really enjoyed my time at Swinburne.”

Carlos also liked the Multimedia course’s combination of artistic and technical skills, covering 3D animation, web design as well as JAVA programming.

“One of my friends from overseas recommended this course and it didn’t disappoint. It combined programming and design and was also very practical.”

Currently working part-time for psychological testing consultancy, MLQ Inc., Carlos felt well prepared to tackle the job because of the project work in his degree.

“The Functional Web Design subject was really helpful. I worked in a group to help the Friends of the ABC improve their website, which was basically a page of text before we worked on it. We modified the graphics and made it more user-friendly.”

But aside from technical experience, Carlos said the project gave him first-hand experience of dealing with clients and working to strict deadlines.

“It was a real business project, not just a subject. We had to work with real clients and deal with real problems, just like in the industry.”

His hard work in his first year paid off when he was awarded a Swinburne scholarship that halved his fees for the remainder of the course. “It was great to get the scholarship, it made everything much easier.”

Swinburne wasn’t only about study for Carlos, who met some Argentinean friends who he formed a soccer club with, a highlight of his time in Australia. “I’m really enjoying Australia, I’m hoping to get permanent residency and work in web development and software. I’ve had a great time.”

*An optional and additional year of Industry-Based Learning (IBL) may also be available.*
Multimedia – Networks and Computing/Telecommunications and Internet Technologies

Bachelor of Multimedia (Networks and Computing)/Bachelor of Engineering (Telecommunications and Internet Technologies)

Campus: H and P

Duration: Five years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), and Mathematical Methods.

Application: VTAC

VTAC code: 34151

2003 Round 1 Fringe ENTER: 88.80

This double degree provides in-depth specialist engineering knowledge of the international telecommunications industry and global networks and also of technical and creative aspects of multimedia systems. This is particularly relevant to the continued convergence of multimedia systems and communications networks, currently typified by the World Wide Web.

Employment opportunities include: creation, development and technology management roles in interactive multimedia within the advertising, instructional design, business promotion, training, education and online entertainment industries, as well as technology integration of telecommunications systems, computer networks, broadband interactive online networks, integrated computer and communication infrastructures for global networking.

Multimedia Software Development

Bachelor of Multimedia (Multimedia Software Development)

Campus: H

Duration: Three years full-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any), and in one of Further Mathematics, Specialist Mathematics or Mathematical Methods.

Application: VTAC

VTAC code: 34091

2003 Round 1 Clearly-In ENTER: 82.95

This course serves the needs of those wishing to pursue a multimedia-oriented career, particularly related to the production, development, and design of multimedia applications. It includes major studies in software development using an object-oriented approach, and multimedia design using authoring tools. It also aims to develop an indepth understanding of the broad range of creative and design aspects of multimedia and internet technologies.

Graduates of this course are well equipped to meet the predicted growth in industry demand for professionals in multimedia and web design.

* An optional and additional year of Industry-Based Learning (IBL) may also be available.
Social Sciences and Arts

Bachelor of Arts

Campus: H

Duration: Three years full-time or equivalent part-time.

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 34321

2003 Round 1 Clearly-In ENTER: 86.85

The Bachelor of Arts is designed to foster individual student development, to develop research and analytical skills and encourage skills of investigation and enquiry which may be applied to a range of situations. Arts students learn how to gather, synthesise and assess information, how to conceptualise issues, and how to express themselves effectively both orally and in writing.

Students are required to undertake a combination of majors/minors of which one major must be from Arts: Australian Studies, Cultural Studies, Electronic Society, Italian Studies, Japanese, Literature, Media Studies, or Philosophy and Cultural Inquiry. Arts students may also undertake studies from Social Science: Psychology, Politics or Sociology; and Business subjects.

Employment opportunities include policy analysis and development, research, community development, administration, public relations, publishing, media, and professional psychology. Arts graduates find employment as joint analysts, teachers, professional psychologists, librarians, interpreters, sociologists, Internet providers, and marketers.

Diploma of Liberal Arts incorporating a Certificate IV

Campus: P

Duration: Two years full-time or equivalent part-time.

Prerequisite: Successful completion of an appropriate Victorian Year 12, or its equivalent, or mature age.

Application: VTAC (full-time) direct to Swinburne (part-time).

VTAC code: 78001

This is a humanities and social science oriented course which prepares students for further studies in this area or to enter the workforce in a variety of fields. In particular the course is geared to cater for mature-aged persons who wish to study an arts, humanities or social science program offered at a university, or who do not have a Year 12 or equivalent.

Successful completion of the program enables students to apply for entry to a number of degree courses in the humanities and social sciences.

Bachelor of Arts (Media and Communications)

Campus: H

Duration: Three years full-time or equivalent part-time.

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 34071

2003 Round 1 Clearly-In ENTER: 90.75

This course covers media and communications practices, influences and policies, and provides an ideal foundation for further studies in a range of specialised areas. It incorporates a wide range of academic and production subjects covering textual analysis – how we make sense of both film and ‘media’ materials (TV, print, new media), a study of the political economy of media and telecommunications, and hands-on subjects in which the emphasis is on publishing, radio production and work-place experience. Students may also undertake studies from Arts, Social Science and Business.

Employment in areas such as journalism, radio production, public relations, and communications research.
Psychology
Bachelor of Social Science (Psychology)
Campus: H
Duration: Three years full-time or equivalent part-time.
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).
Application: VTAC
VTAC code: 34341
2003 Round 1 Clearly-In ENTER: 86.10

This course provides students with wide-ranging, flexible skills in critical thinking, persistence and initiative. An extensive program of research project work develops problem solving strategies, data analysis skills, and the ability to present qualitative and quantitative data. Many of the major problems facing our society involve psychological causes or consequences. Solutions to such problems virtually always require changes in attitudes, values, behaviours and lifestyles, and knowledge of strategies to address such problems are studied in this course.

Students may also undertake studies from Arts, Social Science and Business.

Employment in areas such as human services, research, citizenship, social policy and human services management. With further studies, students can obtain qualifications to become psychologists, librarians, teachers, personnel officers, social workers or sociologists.

Social Science
Bachelor of Social Science
Campus: L
Duration: Three years full-time or equivalent part-time.
VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).
Application: VTAC
VTAC code: 35201 (full-time), 35151 (part-time)
2003 Round 1 Clearly-In ENTER: 60.10

This course provides students with the skills and abilities pertinent to a variety of professional careers in the public and private sectors. Students are encouraged to develop a theoretical insight of their chosen disciplines to enable them to understand, not only current developments in society and the workplace, but also to adapt and respond appropriately to future developments as they occur. Students are required to undertake a major study sequence in one of the following: eCulture and Media, Psychology, or Sociology.

Employment can be found in areas such as social research, administration, planning, community development, human resources, policy development, and marketing.

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Social Science/Applied Science

Bachelor of Social Science/Bachelor of Applied Science

Campus: L

Duration: Four years full-time or equivalent part-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 35061 (full-time), 35091 (part-time)

2003 Round 1 Clearly-In ENTER: Individual offer

This course combines the Bachelor of Applied Science and the Bachelor of Social Science, and prepares students for employment or self-employment in the rapidly changing cultural, technological and business environments. Major study options include: Computing, Interactive Multimedia, Media Studies and eCulture, Psychology, Sociology. In addition, students may select majors and minors from the wide range offered at Swinburne Lilydale.

For career opportunities, refer to the individual degree entries in this Course Guide.

Social Science/Business

Bachelor of Social Science/Bachelor of Business

Campus: L

Duration: Four years full-time or equivalent part-time.*

VCE Prerequisite: Units 3 and 4 – a study score of at least 25 in English (any).

Application: VTAC

VTAC code: 35141 (full-time), 35231 (part-time)

2003 Round 1 Clearly-In ENTER: Individual offer

This course prepares students for employment or self-employment in the rapidly changing cultural, technological and business environments. Students are able to extend their areas of study beyond the combinations of major and minor sequences required in single degree courses, giving students flexibility and expertise beyond the limits of a narrow vocational orientation. Major studies include: Accounting, Marketing, Economics, Human Resource Management, Management, eCulture and Media Studies, Psychology or Sociology.

For career opportunities, refer to the individual degree entries in this Course Guide.

---

Ann-Maree Reeve has always wanted to make a difference, so studying psychology seemed a natural choice, but not one that was made instantly. Working in sales and marketing for ten years and starting a family, Ann-Maree undertook a Diploma of Justice Studies at the former Outer Eastern TAFE before enrolling in a Bachelor of Social Science degree at Swinburne’s Lilydale campus.

“I’ve always been interested in justice issues, and with the Lilydale campus being so close to home, it was an ideal location.”

For Ann-Maree, the challenges of studying were combined with raising two children, the youngest child being born during Ann-Maree’s first year at Lilydale.

“It was hard work, but the support of the staff at Lilydale was great. I felt as if we were in it together.”

Having studied both psychology and sociology, Ann-Maree feels she has a solid background in both personal and social psychological issues, as well as valuable work experience gained through a third year subject of Work Integrated Learning (WIL) Project, undertaken for Selby Community House. Ann-Maree developed a Computer Resource Facility that includes a training room with ten computers for adult and community education and a public internet access area with two computers.

Helping to secure a $9,000 community development grant from the Shire of Yarra Ranges for the facility, Ann-Maree said the ‘fantastic response’ from the community inspired her to continue with the project until completion.

“The Computer Resource Facility will really take off in 2003. I’ve helped create opportunities for the provision of adult and community education, but there are many more opportunities, for instance, providing facilities for young multimedia artists.”

Despite her busy schedule, Ann-Maree has enrolled to study for Honours part-time and looks forward to a career as a psychologist. As well as a qualification, Ann-Maree says her degree has given her profound insight into humanity.

“I don’t think anyone can study psychology and not gain valuable personal insight. I have gained a great breadth and depth of knowledge and self-discipline combined with an appreciation of the diversity of humanity, which is incredibly valuable.”

*An optional and additional year of Industry-Based Learning (IBL) may also be available.
Circus Arts
Bachelor of Circus Arts incorporating a Diploma and Certificate IV
Campus: P
Duration: Three years full-time.
Prerequisite: Entry is available to creative, talented and physical young people with backgrounds in performing arts, physical theatre, youth circus, dance, acrobatic sports, and gymnastics.
Application: Direct to Swinburne.
This course has been developed in consultation with both national and international circus and physical theatre industries. Circus is a global phenomenon and this is reflected in our trainers. Drawn from a variety of international and local backgrounds NICA trainers bring a wealth of expertise and knowledge that they are eager to pass on to the next generation of circus performers.
Recent graduates have moved on to work with local and international companies such as Cirque du Soleil, Circus Oz, Legs on the Wall, Rock’n’Roll Circus, street festivals, and corporate work.

Entertainment – Costume
Diploma of Entertainment (Costume) incorporating a Certificate IV
Campus: P
Duration: Two years full-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age. All applicants must attend an interview/folio presentation.
Application: VTAC
VTAC code: 78041 (Diploma), 78031 (Cert IV)
The purpose of this course is to provide training for individuals who wish to pursue or enhance their careers as theatre technicians in the area of costume making in related areas. The course combines theory and practical studies, industry stimulation, and industrial placement, to enhance students overall knowledge, experience and networks.
Career opportunities are broad based within the theatre, TV and film industries and extend to costume hire outlets, costume fashion promotions, festivals, visual displays and creative novelty wear.

Entertainment – Make-up
Certificate IV in Entertainment (Make-up)
Campus: P
Duration: One year full-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age. All applicants must attend an interview.
Application: VTAC and direct to Swinburne.
VTAC code: 78021
This course aims to provide participants with the skills, knowledge and attitudes necessary to work specifically as a make-up artist in the film, video, television, theatre, photographic and fashion industries.
Employment in the film, video, television, theatre, photographic and fashion industries.

Small Companies and Community Theatre
Diploma of Arts (Small Companies and Community Theatre)
Campus: P
Duration: Two years full-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age. Applicants will be asked to participate in a day of special workshop and written activities.
Application: VTAC.
VTAC code: 78871
This course is designed to give students the necessary skills to organise a performance, event or project and undertake the administrative tasks associated with such a performance. The focus of the course is to provide participants with opportunities to simulate industry practice by conceiving, developing, planning, activating, rehearsing and staging an event or performance.
Employment as theatre workers in a small company or as individuals with other artists on specific projects.
Visual Arts

Diploma of Arts (Visual Arts)
Campus: P, W
Duration: Two years full-time or equivalent part-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age. All applicants must attend an interview/folio presentation.
Application: VTAC and direct to Swinburne.
VTAC code: 78151(P), 71151(W)
This is a progressive contemporary fine art program run by artists for artists. Painting, sculpture, drawing, photography and printmaking are studied. Theory study areas feature conceptual and stylistic strategies of art practices since the 1960’s and includes gallery visits in Melbourne and Sydney.
Graduates will find rewarding careers in the visual arts industries where traditional practices converge with new video and digital technologies.

Visual Arts – New Media

Diploma of Arts (Visual Arts) – New Media
Campus: P
Duration: Two years full-time or equivalent part-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age. All applicants must attend an interview/folio presentation.
Application: Direct to Swinburne.
This is a progressive contemporary art program run by artists for artists. Video, 16mm film, sound and 3D digital imaging subjects are studied with life drawing, painting, photography, printmaking and sculpture.
Graduates will find rewarding careers in the visual arts industries where traditional practices converge with new video and digital technologies.

Visual Merchandising

Certificate IV in Arts (Visual Merchandising)
Campus: W
Duration: Two years part-time.
Prerequisite: Successful completion of an appropriate Victorian Year 12 or its equivalent, or mature age with some art or design experience and/or a demonstrated capacity and motivation for this field. Applicants may present a folio of their art, craft, design work or photographs of display and merchandising at interview.
Application: Direct to Swinburne.
On completion of this course, students should have an understanding of the visual merchandising industry including: the principles and elements of display, the development and design of language for the purpose of product presentation, the design and construction of props, and working to an industry brief.
Graduates may find employment in retail store visual merchandising or display departments, visual merchandising consultancy and supply companies, retail merchandising, photo styling or display production companies.

Rebecca Russell gave up her earlier dramatic ambitions for the ‘safer option’ of teaching, but completing Swinburne’s Diploma of Arts (Small Companies and Community Theatre) proved that she could forge a successful career in the theatre.

“The Diploma of Arts course was very broad and intensive. It offered a range of skills and was not focused on only one aspect like acting or directing like many other courses.”

These eclectic skills were all put to focused use in the production of a performance at the Moomba Festival, which inspired Rebecca to launch her own women’s theatre group with classmate Illena Solaja.

“In the theatre, you have to be able to create your own work and this diploma prepares you for that reality.”

Together with Bachelor of Business student, Matthew Barnes, Rebecca and Illena created a business plan for the theatre group, the Spin Sisters, which won the $10,000 Swinburne Venture Cup.

“It was wonderful to receive acknowledgement for something we were always going to do anyway. The Venture Cup was a fantastic experience and our lecturers were very encouraging. It forced us to think about how we could make a viable business from our artistic concept.”

Rebecca put the diverse skills gained through the Diploma to good use by conducting market research, writing and directing for the Spin Sisters. As well as broadening her experience, the Diploma gave Rebecca a foot in the door of the competitive theatre industry, helping her secure limited work as a set finisher, with the Keene Taylor Theatre Project.

“The Diploma has very strong industry connections and we got to work with industry professionals like Ken Evans (ex-artistic director of Handspan), which was a great opportunity.”

For Rebecca, the next step is to get Spin Sisters up and running, having already registered for a place in the 2003 Melbourne International Comedy Festival.

“It’s an exciting and daunting time for me. But I feel prepared and confident enough to make a real go of it.”
Preparatory, Bridging and Support Programs

Bridging Science
Certificate IV in Science Bridging incorporating a Certificate III
Campus: H
Duration: Up to one year full-time or part-time.
Prerequisite: There are no formal entry requirements.
Application: Direct to Swinburne.

This course is primarily designed to provide those, who lack background knowledge, with skills in the areas of mathematics, sciences, computing and communication skills. These skills may be required to undertake further studies, to fulfill career aspirations, or to improve employment opportunities. Alternatively, a person may wish to become familiar with any of these areas for personal development.

Following the successful completion of appropriate units, students may progress to mature-age VCE or apply as a mature-age student to a university degree or TAFE diploma course. Access to career fields such as applied science, information technology, nursing, paramedical and alternative medicine will be improved.

Concurrent Study
Concurrent Study Program
Campus: C, H, L, P, W
Duration: Six months full-time or equivalent part-time.
Prerequisite: Permanent residents enrolled in a TAFE diploma (and most certificate courses) are eligible for study skills, language, literacy and mathematics assistance. Higher Education (degree) students are also eligible for academic and language skills support.
Application: Direct to Swinburne.

This course aims to support students so they can pursue their mainstream courses with confidence. Tuition is available to students who want to: read and take notes more efficiently, become more competent in mathematics, know how to identify the key elements of work requirements, plan and prepare their written and oral presentations effectively, manage their study effectively, set realistic study goals, work well with their peers and in groups, and learn how to use a wide variety of resources.

An increased ability to complete mainstream courses and the confidence to take advantage of Pathways to further study.

English as Second Language (ESL)
Certificate IV in ESL (Access) with streams in accounting, computing, general and small business
Campus: Accounting: H, P
Computing: P, W
General: H, P
Small Business: C

Duration: Varies according to campus and stream.
Prerequisite: English is not the first language. Permanent residency. Student, tourist, working holiday visas not eligible. Eligible non-permanent residents will be charged a higher fee.
Application: Direct to Swinburne.

This course aims to prepare students of non-English speaking backgrounds with intermediate to high intermediate levels of English to progress to further study (mainstream) or employment.

English Language Literacies
Certificate I and II in English Language Literacies
Campus: H, W
Duration: Six months full-time or equivalent part-time.
Prerequisite: Applicants from Language Backgrounds other than English (LBOE) who are permanent residents or citizens of Australia.
Application: Direct to Swinburne.

This is an English language course for people from a non-English speaking background who want to improve their oral communication skills, reading, writing and numeracy skills, and those who want to be able to use maps, diagrams, ATMs and other electronic texts more confidently.

On completion of the course students will be eligible to continue to Certificates in Spoken and Written English or Certificates in General Education for Adults or employment or vocational training.
General Education for Adults
Certificate I, II and III in General Education
Campus: C, H, P, W
Duration: Varies according to campus and level.
Prerequisite: Adult students are accepted at any skill level, however they must be able to speak English
Application: Direct to Swinburne.
These courses are designed for people from English and non-English speaking backgrounds who left school before Year 11. The main focus of the course is in improving a student's skill in reading, writing and maths together with a strong emphasis on improving self-confidence.
On completion of the course the students are assisted in finding employment and/or where appropriate are encouraged to pursue further studies and training.

Initial Adult Literacy and Numeracy
Certificate I in Initial Adult Literacy and Numeracy
Campus: C, L
Duration: One year part-time.
Prerequisite: Applicants are required to attend an interview and to participate in the application process, demonstrating 'readiness' skills.
Application: Direct to Swinburne.
This course supports adult students at the beginning literacy and numeracy stages – providing opportunity for students to develop skills for everyday living and/or further study. The course framework supports participants who face life challenges eg. intellectual disability, learning difficulties, little or no formal experience, or those who use alternative methods of communication.
On completion of the course the students will be able to enrol in the Certificate in General Education for Adults or the Certificate in Work Education.

Spoken and Written English
Certificate I, II and III in Spoken and Written English
Campus: C, H, P, W
Duration: Varies according to campus and level.
Prerequisite: English is not the first language. Permanent residency (passport required) or if not permanent may be eligible for the Adult Migrant English Program (510 hours). English level: beginners to pre-intermediate.
Application: Direct to Swinburne.
These courses focus on general language development, oral and written skills related to a range of contexts from beginner to post-beginner and pre-intermediate levels. They also focus on settlement issues and in the Certificate III there is a greater focus on further study or work preparation.

Transition Education
Certificate I in Transition Education
Campus: H, P, W
Duration: One year full-time.
Prerequisite: Applicants must be post school age (16+ years)
Application: Direct to Swinburne.
This course is designed to provide people with a disability with the skills to access a preferred option/s such as further education and/or training, entry into paid employment or voluntary work or, other service providers.

VCE
Victorian Certificate of Education
Campus: C, P
Duration: Two years full-time or equivalent part-time.
Note: Adult VCE (over 18 years of age) can enrol directly into Units 3 and 4.
Prerequisite: Successful completion of Year 10.
Application: Direct to Swinburne.
The Victorian Certificate of Education (VCE) is a prerequisite for most degree courses and a number of TAFE courses. VCE subjects can be taken in a wide range of combinations, on either a full-time or part-time basis in the day or evening. Students should ensure that they choose the necessary subjects to ensure eligibility for the specific tertiary courses that they hope to enter after successful completion of VCE.
The VCE provides Pathways to a diverse range of TAFE and Higher Education courses.

Work Education
Certificate I in Work Education
Campus: H, L, P, W
Duration: Two years full-time.
Prerequisite: Applicants should have special learning needs with a focus on intellectual and/or learning disability; have the potential for open employment and/or further training; and are sixteen years and over.
Application: Direct to Swinburne.
This is a post-school course (for students of 16 years of age or over) designed for people with disabilities who have special learning needs. It will prepare them to gain mainstream employment involving routine, predictable, repetitive and proceduralised tasks under supervision, or undertake further vocational training.
On completion of the course the students are assisted in finding employment and/or where appropriate are encouraged to pursue further studies and training.
<table>
<thead>
<tr>
<th>Major Area</th>
<th>Course</th>
<th>Campus</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Bachelor of Business – Major/Minor</td>
<td>H, L</td>
<td>21.22</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Accounting)</td>
<td>H, L</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Advanced Diploma of Accounting</td>
<td>C, L, W</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Accounting</td>
<td>C, H, L, P, W</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Diploma of Accounting</td>
<td>C, H, L, P, W</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in ESL (Access) – Accounting</td>
<td>H, P</td>
<td>62</td>
</tr>
<tr>
<td>Advertising</td>
<td>Advanced Diploma of Business (Advertising)</td>
<td>P</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (Advertising)</td>
<td>P</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (Advertising)</td>
<td>P</td>
<td>20</td>
</tr>
<tr>
<td>Aged Care Work</td>
<td>Certificate IV in Community Services (Aged Care Work) – Diversionary Therapy</td>
<td>P</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Community Services (Aged Care Work)</td>
<td>C, P</td>
<td>45</td>
</tr>
<tr>
<td>Alcohol and Other Drugs</td>
<td>Certificate IV in Community Services (Alcohol and Other Drugs Work)</td>
<td>P, W</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Arts (Applied Design) – Product Design</td>
<td>W</td>
<td>35</td>
</tr>
<tr>
<td>Applied Science</td>
<td>Bachelor of Applied Science</td>
<td>L</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Applied Science/Bachelor of Social Science</td>
<td>L</td>
<td>15/59</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Bachelor of Applied Science</td>
<td>L</td>
<td>23</td>
</tr>
<tr>
<td>Art and Design</td>
<td>Certificate IV in Aboriginal and Torres Strait Islander Art and Design</td>
<td>HV</td>
<td>33</td>
</tr>
<tr>
<td>Arts</td>
<td>Bachelor of Arts</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Arts (Media and Communications)</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Arts (Psychology/Psychophysiology)</td>
<td>H</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Bachelor of Arts (Italian)</td>
<td>H</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Bachelor of Arts (Japanese)</td>
<td>H</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Bachelor of International Business/Bachelor of Arts (Italian)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Bachelor of International Business/Bachelor of Arts (Japanese)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biotechnology)/Bachelor of Arts (Media and Communications)</td>
<td>H</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Diploma of Liberal Arts</td>
<td>P</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td>Diploma of Arts (Graphic Art)</td>
<td>P</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td>Diploma of Arts (Small Companies and Community Theatre)</td>
<td>P</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Diploma of Arts (Visual Arts)</td>
<td>P, W</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td>Diploma of Arts (Visual Arts) – New Media</td>
<td>P</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Arts (Applied Design) – Graphic Design</td>
<td>L, P, W</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Arts (Applied Design) – Product Design</td>
<td>W</td>
<td>35</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Arts (Visual Merchandising)</td>
<td>W</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Liberal Arts</td>
<td>P</td>
<td>57</td>
</tr>
<tr>
<td>Asian Business</td>
<td>Bachelor of Business – Minor</td>
<td>H</td>
<td>21</td>
</tr>
<tr>
<td>Asset Finance</td>
<td>Diploma of Business (Asset Finance)</td>
<td>H</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Business (Asset Finance)</td>
<td>H</td>
<td>21</td>
</tr>
<tr>
<td>Australian Studies</td>
<td>Bachelor of Arts – Major/Minor</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td>Automotive</td>
<td>Certificate IV in Automotive (Repair, Service and Retail)</td>
<td>W</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Automotive (Mechanical-Light Vehicle) – Apprenticeship</td>
<td>L, W</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Automotive Technology – Pre-Apprenticeship</td>
<td>L, W</td>
<td>36</td>
</tr>
<tr>
<td>Aviation</td>
<td>Bachelor of Technology (Air Transportation Management)</td>
<td>H</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Air Transportation Management)/Bachelor of Business</td>
<td>H</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Aviation)</td>
<td>H &amp; EV</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Aviation)/Bachelor of Business</td>
<td>H &amp; EV</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Diploma of Technology (Aviation)</td>
<td>H &amp; EV</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Technology (Aviation)</td>
<td>H &amp; EV</td>
<td>37</td>
</tr>
<tr>
<td>Banking and Finance</td>
<td>Diploma of Business (Banking and Finance)</td>
<td>DL, H</td>
<td>21</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>Bachelor of Science (Biochemistry)</td>
<td>H</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Psychology/Biochemistry)</td>
<td>H</td>
<td>48</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>Diploma of Laboratory Technology (Biological and Environmental Testing)</td>
<td>H</td>
<td>17</td>
</tr>
<tr>
<td>Biomedical</td>
<td>Bachelor of Engineering (Biomedical Engineering)</td>
<td>H</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biomedical Sciences)</td>
<td>H</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biomedical Sciences)/Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>46</td>
</tr>
<tr>
<td>Major Area</td>
<td>Course</td>
<td>Campus</td>
<td>Page</td>
</tr>
<tr>
<td>--------------------</td>
<td>------------------------------------------------------------------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>Bachelor of Engineering (Biotechnology)</td>
<td>H</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Biotechnology)/Bachelor of Business</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Biotechnology)/Bachelor of Science (Biotechnology)</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biotechnology)</td>
<td>H</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biotechnology)/Bachelor of Arts (Media and Communications)</td>
<td>H</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biotechnology)/Bachelor of Business</td>
<td>H</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Diploma of Laboratory Technology (Biotechnology)</td>
<td>H</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Forensic Science</td>
<td>H</td>
<td>16</td>
</tr>
<tr>
<td>Bricklaying</td>
<td>Certificate III in General Construction (Bricklaying/Blocklaying) – Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Building and Construction (Bricklaying/Blocklaying) – Pre-Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td>Bridging Science</td>
<td>Certificate III/IV in Science – Bridging</td>
<td>C</td>
<td>62</td>
</tr>
<tr>
<td>Building</td>
<td>Diploma of Building</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Diploma of Building (Design and Drafting)</td>
<td>C</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Building</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td>Business</td>
<td>Bachelor of Business (Accounting)</td>
<td>H, L</td>
<td>21,22</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (eCommerce)</td>
<td>H, L</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Human Resource Management)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (International Business)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Marketing)</td>
<td>H</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Tourism and Management)</td>
<td>L</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Tourism and Management)/Diploma of Hospitality (Management)</td>
<td>L</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Advanced Diploma of Accounting</td>
<td>C, L, W</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Advanced Diploma of Business (Marketing)</td>
<td>L</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Bachelor of Applied Science</td>
<td>L</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Bachelor of Arts (Italian)</td>
<td>H</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Bachelor of Arts (Japanese)</td>
<td>H</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (International Business)/Bachelor of Arts (Italian)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (International Business)/Bachelor of Arts (Japanese)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Biotechnology)/Bachelor of Business</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Civil)/Bachelor of Business</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Electronics and Computer Systems)/Bachelor of Business</td>
<td>H</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Mechanical)/Bachelor of Business</td>
<td>H</td>
<td>41</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Information Systems/Bachelor of Business</td>
<td>H</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Multimedia (Business Marketing)</td>
<td>H &amp; P</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biotechnology)/Bachelor of Business</td>
<td>H</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Social Science/Bachelor of Business</td>
<td>L</td>
<td>59</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Air Transportation Management)/Bachelor of Business</td>
<td>H</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Aviation)/Bachelor of Business</td>
<td>H &amp; EV</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (Advertising)</td>
<td>P</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (eCommerce)</td>
<td>L, P</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (Human Resources)</td>
<td>C, H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (International Business)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (Legal Practice)</td>
<td>DL, H, W</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (Marketing)</td>
<td>H, L</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (Public Relations)</td>
<td>P</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business Administration</td>
<td>C, H</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (Advertising)</td>
<td>P</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (Asset Finance)</td>
<td>H</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (Banking and Finance)</td>
<td>DL, H</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (eCommerce)</td>
<td>L, P</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (Human Resources)</td>
<td>C, H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (International Trade)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (Marketing)</td>
<td>H, L</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (Supply Chain Management)</td>
<td>H</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business Administration</td>
<td>C, H</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (Advertising)</td>
<td>P</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (eCommerce)</td>
<td>L, P</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (Human Resources)</td>
<td>C, H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (International Trade)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td>Major Area</td>
<td>Course</td>
<td>Campus</td>
<td>Page</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------------------------------------------------------------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>Business Administration</td>
<td>Certificate IV in Business (Marketing)</td>
<td>H, L</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (Small Business Management)</td>
<td>C, L</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Business Administration</td>
<td>C, H, W, WP</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Business (Asset Finance)</td>
<td>H</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Business (eCommerce)</td>
<td>L, P</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Business (Sales)</td>
<td>H, L</td>
<td>26</td>
</tr>
<tr>
<td>Business Law</td>
<td>Diploma of Business Administration</td>
<td>C, H</td>
<td>22</td>
</tr>
<tr>
<td>Business Management</td>
<td>Advanced Diploma of Business Management</td>
<td>C, W</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business Management</td>
<td>C, L, P, W</td>
<td>23</td>
</tr>
<tr>
<td>Business Marketing</td>
<td>Bachelor of Multimedia (Business Marketing)</td>
<td>H</td>
<td>53</td>
</tr>
<tr>
<td>CAD</td>
<td>Advanced Diploma of Engineering Technology (Mechanical/Manufacturing/CAD)</td>
<td>H</td>
<td>41</td>
</tr>
<tr>
<td>Carpentry</td>
<td>Certificate III in Carpentry and Joinery (Joinery/Shopfitting/Stairbuilding) – Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Certificate III in General Construction (Carpentry) – Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Carpentry and Joinery (Joinery/Shopfitting/Stairbuilding) – Pre-Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Building and Construction (Carpentry) – Pre-Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td>Children’s Services</td>
<td>Advanced Diploma of Community Services (Children’s Services)</td>
<td>P</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Diploma of Community Services (Children’s Services) – Centre Based Care</td>
<td>C, P</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Diploma of Community Services (Children’s Services) – Out of School Hours Care</td>
<td>C, P</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Community Services (Children’s Services)</td>
<td>C, P</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Community Services (Children’s Services)</td>
<td>C</td>
<td>46</td>
</tr>
<tr>
<td>Circus Arts</td>
<td>Bachelor of Circus Arts</td>
<td>P</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Diploma of Circus Arts</td>
<td>P</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Circus Arts</td>
<td>P</td>
<td>60</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>Bachelor of Engineering (Civil)</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Civil)/Bachelor of Business</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td>Communication Design</td>
<td>Bachelor of Design (Communication Design)</td>
<td>P</td>
<td>33</td>
</tr>
<tr>
<td>Community Services</td>
<td>Advanced Diploma of Community Services (Children’s Services)</td>
<td>P</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Diploma of Community Services (Children’s Services) – Centre Based Care</td>
<td>C, P</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Diploma of Community Services (Children’s Services) – Out of School Hours Care</td>
<td>C, P</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Diploma of Community Services (Community Work)</td>
<td>P</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Diploma of Community Services (Management)</td>
<td>W</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Diploma of Community Services (Welfare Work)</td>
<td>P, W</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Community Services (Aged Care Work) – Diversion Therapy</td>
<td>P</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Community Services (Alcohol and Other Drugs Work)</td>
<td>P, W</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Community Services (Child Protection, Statutory Supervision and Juvenile Justice)</td>
<td>P, W</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Community Services (Disability Work)</td>
<td>P, W, WP</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Community Services (Youth Work)</td>
<td>P, W</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Community Services (Aged Care Work)</td>
<td>C, P</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Community Services (Children’s Services)</td>
<td>C, P</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Community Services (Children’s Services)</td>
<td>C</td>
<td>46</td>
</tr>
<tr>
<td>Community Work</td>
<td>Diploma of Community Services (Community Work)</td>
<td>P</td>
<td>47</td>
</tr>
<tr>
<td>Computer Instrumentation</td>
<td>Advanced Diploma of Computer Science (Multimedia/Instrumentation/Software Development)</td>
<td>H</td>
<td>28</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Bachelor of Science (Computer Science and Software Engineering)</td>
<td>H</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Robotics and Mechatronics)</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Telecommunications and Internet Technologies)</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td>Computer Systems</td>
<td>Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Electronics and Computer Systems)/Bachelor of Business</td>
<td>H</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Computer Systems Engineering</td>
<td>C, H</td>
<td>38</td>
</tr>
<tr>
<td>Major Area</td>
<td>Course</td>
<td>Campus</td>
<td>Page</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>Computing</td>
<td>Bachelor of Applied Science – Major</td>
<td>L</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Computing)</td>
<td>H</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in ESL (Access) – Computing</td>
<td>P, W</td>
<td>62</td>
</tr>
<tr>
<td>Concurrent Study</td>
<td>Concurrent Study Program</td>
<td>C, H, L, P, W</td>
<td>62</td>
</tr>
<tr>
<td>Conservation</td>
<td>Diploma of Conservation and Land Management</td>
<td>DL, HV, L</td>
<td>16</td>
</tr>
<tr>
<td>Construction</td>
<td>Certificate III in General Construction (Bricklaying/Blocklaying) – Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Certificate III in General Construction (Carpentry) – Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Certificate III in General Construction (Painting and Decorating) – Apprenticeship</td>
<td>C</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Building and Construction (Bricklaying/Blocklaying) – Pre-Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Building and Construction (Carpentry) – Pre-Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Building and Construction (Painting and Decorating) – Pre-Apprenticeship</td>
<td>C</td>
<td>19</td>
</tr>
<tr>
<td>Cookery</td>
<td>Certificate III in Hospitality (Commercial Cookery) – Apprenticeship</td>
<td>L, P</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Hospitality (Kitchen Operations) – Pre-Apprenticeship</td>
<td>L, P</td>
<td>51</td>
</tr>
<tr>
<td>Costume</td>
<td>Diploma of Entertainment (Costume)</td>
<td>P</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Entertainment (Costume)</td>
<td>P</td>
<td>60</td>
</tr>
<tr>
<td>Cultural Studies</td>
<td>Bachelor of Arts – Major/Minor</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td>Customer Contact</td>
<td>Certificate II in Telecommunications (Customer Contact)</td>
<td>WP</td>
<td>24</td>
</tr>
<tr>
<td>Design</td>
<td>Bachelor of Design (Communication Design)</td>
<td>P</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Design (Industrial Design)</td>
<td>P</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Design (Interior Design)</td>
<td>P</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Design (Multimedia Design)</td>
<td>P</td>
<td>35,54</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Product Design Engineering)</td>
<td>H &amp; P</td>
<td>35,42</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Multimedia (Design)</td>
<td>P, W</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>Diploma of Building (Design and Drafting)</td>
<td>C</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Aboriginal and Torres Strait Islander Art and Design</td>
<td>HV</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Arts (Applied Design) – Graphic Design</td>
<td>L, P, W</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Arts (Applied Design) – Product Design</td>
<td>W</td>
<td>35</td>
</tr>
<tr>
<td>Disability Work</td>
<td>Certificate IV in Community Services (Disability Work)</td>
<td>P, W, WP</td>
<td>47</td>
</tr>
<tr>
<td>Diversional Therapy</td>
<td>Certificate IV in Community Services (Aged Care Work) – Diversional Therapy</td>
<td>P</td>
<td>47</td>
</tr>
<tr>
<td>Drafting</td>
<td>Diploma of Building (Design and Drafting)</td>
<td>C</td>
<td>19</td>
</tr>
<tr>
<td>eCommerce</td>
<td>Bachelor of Business (eCommerce)</td>
<td>L, P</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (eCommerce)</td>
<td>L, P</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (eCommerce)</td>
<td>L, P</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (eCommerce)</td>
<td>L, P</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Business (eCommerce)</td>
<td>L, P</td>
<td>24</td>
</tr>
<tr>
<td>Economics</td>
<td>Bachelor of Business – Major/Minor</td>
<td>H, L</td>
<td>21,22</td>
</tr>
<tr>
<td>eCulture and Media</td>
<td>Bachelor of Social Science – Major/Minor</td>
<td>L</td>
<td>58</td>
</tr>
<tr>
<td>Electrical</td>
<td>Certificate IV in Electrical Systems</td>
<td>W</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Electrotechnology Systems Electrician – Apprenticeship</td>
<td>H, W</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>Certificate I in Electrical – Pre-Apprenticeship</td>
<td>H, W</td>
<td>40</td>
</tr>
<tr>
<td>Electronic Society</td>
<td>Bachelor of Arts – Major/Minor</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td>Electronics</td>
<td>Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Electronics and Computer Systems)/Bachelor of Business</td>
<td>H</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biomedical Sciences)/Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Research and Development)/Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Electronics Engineering</td>
<td>C, H</td>
<td>39</td>
</tr>
<tr>
<td>eMarketing</td>
<td>Bachelor of Business – Minor</td>
<td>H</td>
<td>21</td>
</tr>
<tr>
<td>Engineering</td>
<td>Bachelor of Engineering (Biomedical Engineering)</td>
<td>H</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Biotechnology)</td>
<td>H</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Biotechnology)/Bachelor of Business</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Biotechnology)/Bachelor of Science (Biotechnology)</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Civil)</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Civil)/Bachelor of Business</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Electronics and Computer Systems)/Bachelor of Business</td>
<td>H</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Mechanical)</td>
<td>H</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Mechanical)/Bachelor of Business</td>
<td>H</td>
<td>41</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Product Design Engineering)</td>
<td>H &amp; P</td>
<td>35,42</td>
</tr>
<tr>
<td>Major Area</td>
<td>Course</td>
<td>Campus</td>
<td>Page</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------------------------------------------------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>Bachelor of Engineering (Robotics and Mechatronics)</td>
<td>H</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Engineering (Robotics and Mechatronics)/Bachelor of Science (Computer Science and Software Engineering)</td>
<td>H</td>
<td>44</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Engineering (Telecommunications and Internet Technologies)</td>
<td>H</td>
<td>44</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Engineering (Telecommunications and Internet Technologies)/Bachelor of Science (Computer Science and Software Engineering)</td>
<td>H</td>
<td>44</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Multimedia (Networks and Computing)/Bachelor of Engineering (Telecommunications and Internet Technologies)</td>
<td>H, P</td>
<td>56</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Science (Biomedical Sciences)/Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Science (Photonic)/Bachelor of Engineering (Telecommunications and Internet Technologies)</td>
<td>H</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Science (Research and Development)/Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Software Engineering</td>
<td>H</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>Advanced Diploma of Computer Systems Engineering</td>
<td>C, H</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>Advanced Diploma of Electronics Engineering</td>
<td>C, H</td>
<td>39</td>
<td></td>
</tr>
<tr>
<td>Advanced Diploma of Engineering Technology (Mechanical/Manufacturing/CAD)</td>
<td>H</td>
<td>41</td>
<td></td>
</tr>
<tr>
<td>Advanced Diploma of Engineering Technology (Principal Technical Officer)</td>
<td>H</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Advanced Diploma of Engineering Technology (Robotics and Mechatronics)</td>
<td>H</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in Engineering Technology – Post Trade</td>
<td>H, W</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Certificate III in Engineering (Mechanical) – Apprenticeship</td>
<td>H, W</td>
<td>41</td>
<td></td>
</tr>
<tr>
<td>Certificate I in Engineering (Fabrication) – Pre-Apprenticeship</td>
<td>H</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Certificate I in Engineering Production – Pre-Apprenticeship</td>
<td>H</td>
<td>41</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in ESL (Access) – Accounting</td>
<td>H, P</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in ESL (Access) – Computing</td>
<td>P, W</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in ESL (Access) – General</td>
<td>H, P</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in ESL (Access) – Small Business</td>
<td>C</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td>Certificate III in Spoken and Written English</td>
<td>C, H, P, W</td>
<td>63</td>
<td></td>
</tr>
<tr>
<td>Certificate II in English Language Literacies</td>
<td>H, W</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td>Certificate II in Spoken and Written English</td>
<td>C, H, P, W</td>
<td>63</td>
<td></td>
</tr>
<tr>
<td>Certificate I in English Language Literacies</td>
<td>H, W</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td>Certificate I in Spoken and Written English</td>
<td>H, P, W</td>
<td>63</td>
<td></td>
</tr>
<tr>
<td>Diploma of Entertainment (Costume)</td>
<td>P</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in Entertainment (Costume)</td>
<td>P</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in Entertainment (Make-Up)</td>
<td>P</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Health Science (Public and Environmental Health)</td>
<td>H</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Diploma of Environmental Management</td>
<td>H</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Diploma of Laboratory Technology (Biological and Environmental Testing)</td>
<td>H</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>Diploma of Conservation and Land Management</td>
<td>DL, HV/L</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Business – Minor</td>
<td>H</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Business – Major/Minor</td>
<td>H</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Diploma of Business (Asset Finance)</td>
<td>H, DL</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Diploma of Business (Banking and Finance)</td>
<td>H, DL</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Certificate III in Business (Asset Finance)</td>
<td>H</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Diploma of Fire Technology</td>
<td>H, DL</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in Fire Technology</td>
<td>H, DL</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in Forensic Science</td>
<td>H</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in ESL (Access) – General</td>
<td>H, P</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td>Certificate III in General Education for Adults</td>
<td>C, H, P, W</td>
<td>63</td>
<td></td>
</tr>
<tr>
<td>Certificate II in General Education for Adults – Further Study</td>
<td>C, H, P, W</td>
<td>63</td>
<td></td>
</tr>
<tr>
<td>Certificate I in General Education for Adults – Introductory</td>
<td>C, H, P, W</td>
<td>63</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Design (Communication Design)</td>
<td>P</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>Diploma of Arts (Graphic Art)</td>
<td>P</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in Aboriginal and Torres Strait Islander Art and Design</td>
<td>HV</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in Arts (Applied Design) – Graphic Design</td>
<td>L, P, W</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Health Science (Public and Environmental Health)</td>
<td>H</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Certificate IV in Health (Nursing)</td>
<td>C, P</td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Major Area</td>
<td>Course</td>
<td>Campus</td>
<td>Page</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------------------------------------------------------------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>Horticulture</td>
<td>Diploma of Horticulture</td>
<td>W</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Diploma of Horticulture (Viticulture Production)</td>
<td>L</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Horticulture</td>
<td>W</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Horticulture – Apprenticeship</td>
<td>W</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Horticulture – Pre-Apprenticeship/Traineeship</td>
<td>W</td>
<td>17</td>
</tr>
<tr>
<td>Hospitality</td>
<td>Bachelor of Business (Tourism and Management)/Diploma of Hospitality</td>
<td>L</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>(Management)</td>
<td>P</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Diploma of Hospitality (Management)</td>
<td>L, P</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Hospitality (Commercial Cookery) – Apprenticeship</td>
<td>L, P</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Hospitality (Kitchen Operations) – Pre-Apprenticeship</td>
<td>L, P</td>
<td>51</td>
</tr>
<tr>
<td>Human Resources</td>
<td>Bachelor of Business – Major/Minor</td>
<td>H, L</td>
<td>21,22</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Human Resource Management)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (Human Resources)</td>
<td>C, H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (Human Resources)</td>
<td>C, H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (Human Resources)</td>
<td>C, H</td>
<td>25</td>
</tr>
<tr>
<td>Industrial Design</td>
<td>Bachelor of Design (Industrial Design)</td>
<td>P</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Product Design Engineering)</td>
<td>H &amp; P</td>
<td>35,42</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Arts (Applied Design) – Product Design</td>
<td>W</td>
<td>35</td>
</tr>
<tr>
<td>Information Systems</td>
<td>Bachelor of Business – Major/Minor</td>
<td>H, L</td>
<td>21,22</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Information Systems</td>
<td>H</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Information Systems/Bachelor of Business</td>
<td>H</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Information Systems)</td>
<td>L</td>
<td>29</td>
</tr>
<tr>
<td>Information Technology</td>
<td>Bachelor of Technology (Information Technology and Software Engineering)</td>
<td>L</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>Diploma of Information Technology (Network Engineering)</td>
<td>L, W</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>Diploma of Information Technology (Software Development)</td>
<td>L, P, W</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>Diploma of Information Technology (Website Development)</td>
<td>L, P, W</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Information Technology (Software Applications)</td>
<td>C, H, P, W</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Multimedia (Information Technology)</td>
<td>L, H, W</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>Certificate I in Information Technology (Beginners)</td>
<td>L, C, P, W</td>
<td>30</td>
</tr>
<tr>
<td>Interactive Multimedia</td>
<td>Bachelor of Applied Science – Major/Minor</td>
<td>L</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Interactive Multimedia)</td>
<td>L</td>
<td>53</td>
</tr>
<tr>
<td>Interior Design</td>
<td>Bachelor of Design (Interior Design)</td>
<td>P</td>
<td>34</td>
</tr>
<tr>
<td>International Business</td>
<td>Bachelor of Business – Major/Minor</td>
<td>H</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (International Business)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (International Business)/Bachelor of Arts (Italian)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (International Business)/Bachelor of Arts (Japanese)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (International Business)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (International Trade)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (International Trade)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td>Italian</td>
<td>Bachelor of Arts – Major/Minor</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Bachelor of Arts (Italian)</td>
<td>H</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (International Business)/Bachelor of Arts (Italian)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td>Japanese</td>
<td>Bachelor of Arts – Major/Minor</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business/Bachelor of Arts (Japanese)</td>
<td>H</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (International Business)/Bachelor of Arts (Japanese)</td>
<td>H</td>
<td>25</td>
</tr>
<tr>
<td>Joinery</td>
<td>Certificate III in Carpentry and Joinery (Joinery/Shopfitting/Stairbuilding) – Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Carpentry and Joinery (Joinery/Shopfitting/Stairbuilding) – Pre-Apprenticeship</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td>Laboratory Technology</td>
<td>Diploma of Laboratory Technology</td>
<td>H</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Diploma of Laboratory Technology (Biological and Environmental Testing)</td>
<td>H</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Diploma of Laboratory Technology (Biotechnology)</td>
<td>H</td>
<td>17</td>
</tr>
<tr>
<td>Legal Practice</td>
<td>Advanced Diploma of Business (Legal Practice)</td>
<td>DL, H, W</td>
<td>26</td>
</tr>
<tr>
<td>Liberal Arts</td>
<td>Diploma of Liberal Arts</td>
<td>P</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Liberal Arts</td>
<td>P</td>
<td>57</td>
</tr>
<tr>
<td>Library Services</td>
<td>Diploma of Library and Information Services</td>
<td>P</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Library and Information Services</td>
<td>P</td>
<td>26</td>
</tr>
<tr>
<td>Literacy and Numeracy</td>
<td>Certificate I in Initial Adult Literacy and Numeracy</td>
<td>C, L</td>
<td>63</td>
</tr>
<tr>
<td>Literature</td>
<td>Bachelor of Arts – Major/Minor</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td>Major Area</td>
<td>Course</td>
<td>Campus</td>
<td>Page</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------------------------------------------------------------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>Make-Up</td>
<td>Certificate IV in Entertainment (Make-Up)</td>
<td>P</td>
<td>60</td>
</tr>
<tr>
<td>Management</td>
<td>Bachelor of Business – Major/Minor</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Tourism and Management)</td>
<td>L, L</td>
<td>21,22</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Tourism and Management)/Diploma of Hospitality (Management)</td>
<td>L, L</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business Management</td>
<td>C, W</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Diploma of Community Services (Management)</td>
<td>W</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Diploma of Frontline Management</td>
<td>WP</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Diploma of Hospitality (Management)</td>
<td>L, P</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business Management</td>
<td>C, L, P, W</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Diploma of Tourism (Meetings and Events Management)</td>
<td>P</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Diploma of Tourism (Operations Management)</td>
<td>L</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business Management</td>
<td>C, L, P, W</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (Small Business Management)</td>
<td>C, H, L</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Frontline Management</td>
<td>WP</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Frontline Management</td>
<td>WP</td>
<td>24</td>
</tr>
<tr>
<td>Manufacturing Engineering</td>
<td>Advanced Diploma of Engineering Technology (Mechanical/Manufacturing/CAD)</td>
<td>H</td>
<td>41</td>
</tr>
<tr>
<td>Manufacturing Management</td>
<td>Bachelor of Business – Major/Minor</td>
<td>H</td>
<td>21</td>
</tr>
<tr>
<td>Marketing</td>
<td>Bachelor of Business (Marketing)</td>
<td>H, L</td>
<td>21,22</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Marketing)/Advanced Diploma of Business (Marketing)</td>
<td>L</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Multimedia (Business Marketing)</td>
<td>H, L</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Business (Marketing)</td>
<td>H, P</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>Diploma of Business (Marketing)</td>
<td>H, L</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Business (Marketing)</td>
<td>H, L</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Business (Sales)</td>
<td>H, L</td>
<td>26</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>Bachelor of Engineering (Mechanical)</td>
<td>H</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Mechanical)/Bachelor of Business</td>
<td>H</td>
<td>41</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Engineering Technology (Mechanical/Manufacturing/CAD)</td>
<td>H</td>
<td>41</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Engineering (Mechanical) – Apprenticeship</td>
<td>H, W</td>
<td>41</td>
</tr>
<tr>
<td></td>
<td>Certificate I in Engineering Production – Pre-Apprenticeship</td>
<td>H, W</td>
<td>41</td>
</tr>
<tr>
<td>Media Studies</td>
<td>Bachelor of Applied Science/Bachelor of Social Science</td>
<td>L</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Arts – Major/Minor</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Arts (Media and Communications)</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Multimedia (Media Studies)</td>
<td>H, P</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Social Science – Major/Minor</td>
<td>L</td>
<td>58</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biotechnology)/Bachelor of Arts (Media and Communications)</td>
<td>H</td>
<td>16</td>
</tr>
<tr>
<td>Multimedia</td>
<td>Bachelor of Design (Multimedia Design)</td>
<td>P</td>
<td>35,54</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Multimedia (Business Marketing)</td>
<td>H, P</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Multimedia (Media Studies)</td>
<td>H, P</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Multimedia (Multimedia Software Development)</td>
<td>H</td>
<td>56</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Multimedia (Networks and Computing)</td>
<td>H, P</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Networks and Computing</td>
<td>Bachelor of Multimedia (Networks and Computing)</td>
<td>H, P</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Media</td>
<td>Diploma of Arts (Visual Arts)</td>
<td>P</td>
<td>61</td>
</tr>
<tr>
<td>Nursing</td>
<td>Certificate IV in Health (Nursing)</td>
<td>C, P</td>
<td>47</td>
</tr>
<tr>
<td>Occupational Health</td>
<td>Diploma of Occupational Health and Safety</td>
<td>H</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Occupational Health and Safety</td>
<td>H</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Occupational Health and Safety</td>
<td>H</td>
<td>47</td>
</tr>
<tr>
<td>Organisation Behaviour</td>
<td>Bachelor of Business – Major/Minor</td>
<td>H</td>
<td>21</td>
</tr>
<tr>
<td>Major Area</td>
<td>Course</td>
<td>Campus</td>
<td>Page</td>
</tr>
<tr>
<td>--------------------</td>
<td>------------------------------------------------------------------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>Outdoor Recreation</td>
<td>Diploma of Outdoor Recreation</td>
<td>C &amp; EV</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Outdoor Recreation</td>
<td>C &amp; EV</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Outdoor Recreation</td>
<td>C &amp; EV</td>
<td>48</td>
</tr>
<tr>
<td>Painting and Decorating</td>
<td>Certificate III in General Construction (Painting and Decorating) – Apprenticeship</td>
<td>C</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Building and Construction (Painting and Decorating) – Pre-Apprenticeship</td>
<td>C</td>
<td>19</td>
</tr>
<tr>
<td>Philosophy</td>
<td>Bachelor of Arts – Major/Minor</td>
<td>H</td>
<td>57</td>
</tr>
<tr>
<td>Photonics</td>
<td>Bachelor of Science (Photonics)</td>
<td>H</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Photonics)/Bachelor of Engineering (Telecommunications and Internet Technologies)</td>
<td>H</td>
<td>42</td>
</tr>
<tr>
<td>Politics</td>
<td>Bachelor of Social Science – Major/Minor</td>
<td>H</td>
<td>58</td>
</tr>
<tr>
<td>Product Design</td>
<td>Bachelor of Design (Industrial Design)</td>
<td>P</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Product Design Engineering)</td>
<td>H &amp; P</td>
<td>35,42</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Arts (Applied Design) – Product Design</td>
<td>W</td>
<td>35</td>
</tr>
<tr>
<td>Psychology</td>
<td>Bachelor of Applied Science – Major</td>
<td>L</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Arts (Psychology/Psychophysiology)</td>
<td>H</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Psychology/Biochemistry)</td>
<td>H</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Psychology/Psychophysiology)</td>
<td>H</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Social Science – Major/Minor</td>
<td>H, L</td>
<td>58</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Social Science (Psychology)</td>
<td>H</td>
<td>58</td>
</tr>
<tr>
<td>Public Health</td>
<td>Bachelor of Health Science (Public and Environmental Health)</td>
<td>H</td>
<td>50</td>
</tr>
<tr>
<td>Public Relations</td>
<td>Advanced Diploma of Business (Public Relations)</td>
<td>P</td>
<td>27</td>
</tr>
<tr>
<td>Real Estate</td>
<td>Certificate IV in Business (Estate Agency Practice)</td>
<td>C, DL, P, W</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Course in Real Estate for Agents’ Representatives</td>
<td>C, DL, P, W</td>
<td>27</td>
</tr>
<tr>
<td>Recreation</td>
<td>Diploma of Sport and Recreation</td>
<td>H</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Diploma of Sport Development</td>
<td>H</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Diploma of Outdoor Recreation</td>
<td>C &amp; EV</td>
<td>48</td>
</tr>
<tr>
<td>Renewable Energy</td>
<td>Advanced Diploma of Renewable Energy Technology</td>
<td>DL, H</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>Diploma of Renewable Energy Technology</td>
<td>DL, H</td>
<td>43</td>
</tr>
<tr>
<td>Research and Development</td>
<td>Bachelor of Science (Research and Development)/Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>43</td>
</tr>
<tr>
<td>Robotics and Mechatronics</td>
<td>Bachelor of Engineering (Robotics and Mechatronics)</td>
<td>H</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Robotics and Mechatronics)/</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Computer Science and Software Engineering)</td>
<td>H</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>Advanced Diploma of Engineering Technology (Robotics and Mechatronics)</td>
<td>H</td>
<td>43</td>
</tr>
<tr>
<td>Sales</td>
<td>Certificate III in Business (Sales)</td>
<td>DL, H, L, W</td>
<td>26</td>
</tr>
<tr>
<td>Science</td>
<td>Bachelor of Engineering (Biotechnology)/Bachelor of Science (Biotechnology)</td>
<td>H</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Robotics and Mechatronics)/Bachelor of Science (Computer Science and Software Engineering)</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Telecommunications and Internet Technologies)/</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Computer Science and Software Engineering)</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biochemistry)</td>
<td>H</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biomedical Sciences)</td>
<td>H</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biomedical Sciences)/Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biotechnology)</td>
<td>H</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biotechnology)/Bachelor of Arts (Media and Communications)</td>
<td>H</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Biotechnology)/Bachelor of Business</td>
<td>H</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Computer Science and Software Engineering)</td>
<td>H</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Computing)</td>
<td>H</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Photonics)</td>
<td>H</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Photonics)/Bachelor of Engineering (Telecommunications and Internet Technologies)</td>
<td>H</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Psychology)</td>
<td>H</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Psychology/Biochemistry)</td>
<td>H</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Psychology/Psychophysiology)</td>
<td>H</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Research and Development)/</td>
<td>H</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Electronics and Computer Systems)</td>
<td>H</td>
<td>62</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in ESL (Access) – Small Business</td>
<td>C</td>
<td>62</td>
</tr>
<tr>
<td>Social Science</td>
<td>Bachelor of Applied Science/Bachelor of Social Science</td>
<td>L</td>
<td>59</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Social Science</td>
<td>H, L</td>
<td>58</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Social Science (Psychology)</td>
<td>H</td>
<td>58</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Social Science/Bachelor of Business</td>
<td>L</td>
<td>59</td>
</tr>
<tr>
<td>Major Area</td>
<td>Course</td>
<td>Campus</td>
<td>Page</td>
</tr>
<tr>
<td>---------------------</td>
<td>------------------------------------------------------------------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>Sociology</td>
<td>Bachelor of Social Science – Major/Minor</td>
<td>H, L</td>
<td>58</td>
</tr>
<tr>
<td>Software Applications</td>
<td>Certificate III in Information Technology (Software Applications)</td>
<td>L, P, W</td>
<td>31</td>
</tr>
<tr>
<td>Software Development</td>
<td>Bachelor of Multimedia (Multimedia Software Development)</td>
<td>H</td>
<td>56</td>
</tr>
<tr>
<td>Software Engineering</td>
<td>Bachelor of Engineering (Robotics and Mechatronics)/</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Telecommunications and Internet Technologies)/</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Computer Science and Software Engineering)</td>
<td>H</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Software Engineering</td>
<td>H</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Information Technology and Software Engineering)</td>
<td>L</td>
<td>31</td>
</tr>
<tr>
<td>Sport</td>
<td>Diploma of Sport and Recreation</td>
<td>H</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Diploma of Sport Development</td>
<td>H</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Sport and Recreation</td>
<td>H</td>
<td>50</td>
</tr>
<tr>
<td>Study Support</td>
<td>Concurrent Study Program</td>
<td>C, H, L, P, W</td>
<td>62</td>
</tr>
<tr>
<td>Technology</td>
<td>Diploma of Business (Supply Chain Management)</td>
<td>H</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Air Transportation Management)</td>
<td>H</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Air Transportation Management)/Bachelor of Business</td>
<td>H</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Aviation)</td>
<td>H &amp; EV</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Aviation)/Bachelor of Business</td>
<td>H &amp; EV</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Information Systems)</td>
<td>L</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Information Technology and Software Engineering)</td>
<td>L</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Technology (Interactive Multimedia)</td>
<td>L</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td>Diploma of Technology (Aviation)</td>
<td>H &amp; EV</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Certificate IV in Technology (Aviation)</td>
<td>H &amp; EV</td>
<td>37</td>
</tr>
<tr>
<td>Telecommunications</td>
<td>Bachelor of Engineering (Telecommunications and Internet Technologies)</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Engineering (Telecommunications and Internet Technologies)/</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Computer Science and Software Engineering)</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Multimedia (Networks and Computing)/</td>
<td>H &amp; P</td>
<td>56</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science (Photonics)/Bachelor of Engineering (Telecommunications and Internet Technologies)</td>
<td>H</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Telecommunications (Customer Contact)</td>
<td>WP</td>
<td>24</td>
</tr>
<tr>
<td>Theatre</td>
<td>Diploma of Arts (Small Companies and Community Theatre)</td>
<td>P</td>
<td>60</td>
</tr>
<tr>
<td>Tourism</td>
<td>Bachelor of Business – Major/Minor</td>
<td>L</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Tourism and Management)</td>
<td>L</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Business (Tourism and Management)/Diploma of Hospitality Management</td>
<td>L</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>Diploma of Tourism (Meetings and Events Management)</td>
<td>P</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Diploma of Tourism (Operations Management)</td>
<td>L</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Tourism (Guiding)</td>
<td>L</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Certificate II in Tourism (Guiding)</td>
<td>L</td>
<td>51</td>
</tr>
<tr>
<td>Transition Education</td>
<td>Certificate I in Transition Education</td>
<td>H, P, W</td>
<td>63</td>
</tr>
<tr>
<td>VCE</td>
<td>Victorian Certificate of Education</td>
<td>C, P</td>
<td>63</td>
</tr>
<tr>
<td>Vice-Chancellor’s Scholarships</td>
<td>Vice-Chancellor’s Scholarship – Engineering</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Vice-Chancellor’s Scholarship – Information Technology/Science</td>
<td>H</td>
<td>32</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>Diploma of Arts (Visual Arts)</td>
<td>P, W</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td>Diploma of Arts (Visual Arts) – New Media</td>
<td>P</td>
<td>61</td>
</tr>
<tr>
<td>Viticulture</td>
<td>Diploma of Horticulture (Viticulture Production)</td>
<td>L</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Certificate III in Food Processing (Wine) – Traineeship</td>
<td>L, W</td>
<td>17</td>
</tr>
<tr>
<td>Welding</td>
<td>Certificate I/II in Engineering</td>
<td>H</td>
<td>44</td>
</tr>
<tr>
<td>Website Development</td>
<td>Diploma of Information Technology (Website Development)</td>
<td>L, P, W</td>
<td>32</td>
</tr>
<tr>
<td>Welfare Work</td>
<td>Diploma of Community Services (Welfare Work)</td>
<td>P, W</td>
<td>50</td>
</tr>
<tr>
<td>Youth Work</td>
<td>Certificate IV in Community Services (Youth Work)</td>
<td>P, W</td>
<td>50</td>
</tr>
<tr>
<td>Work Education</td>
<td>Certificate I in Work Education</td>
<td>H, L, P, W</td>
<td>63</td>
</tr>
</tbody>
</table>

Course Information Hotline: 1300 368 777

Swinburne Course Guide 2004
Welcome to Swinburne
The qualifications
Why students choose Swinburne
Swinburne’s campuses
Student life at Swinburne
Living away from home
Scholarships – a head start for study
How to apply
Courses by study area
Applied and Industrial Sciences
Building and Construction
Business, Innovation and Management
Computing and Information Technology
Design
Engineering and Technology
Health and Human Services
Hospitality and Tourism
Multimedia
Social Sciences and Arts
Visual and Performing Arts
Preparatory, Bridging and Support Programs
Course index

Advanced Standing
Where a student is able to gain credit for subjects in a course through recognition of completed prior studies, which enables them to enter a course with ‘advanced standing’.

Articulation
With Swinburne’s integrated curriculum, students can move (or articulate) between many TAFE and University courses.

Bachelor Degree
An undergraduate award requiring a minimum of three years study.

Course
A program of study, which when satisfactorily completed, leads to the award of a certificate, diploma or degree.

Credit Transfer
Where a student is granted exemption from particular course requirements in recognition of previous studies.

Double Degree
The study of two Bachelor degrees, usually requiring four to five years to complete.

Distance Learning
Courses that do not require students to attend classes on campus.

Dual Award
The study of two ‘integrated’ courses, usually a Bachelor degree and an Advanced Diploma.

Elective
A subject that is not a core part of a course, but which may be undertaken and credited towards the course.

ENTER
Equivalent National Tertiary Entrance Rank, percentile ranking showing an applicant’s comparative placement in their VCE age group in that year on the basis of their VCE ranking showing an applicant’s comparative placement in their VCE age group in that year on the basis of their VCE studies.

Graduate
A person who has satisfactorily completed all the requirements for their qualification.

HCECS
A fee charged by the Federal Government as a contribution towards the education of all students enrolled in undergraduate courses.

Industry-Based Learning (IBL)
An optional program in which students are placed in paid, supervised employment as part of their degree.

Lecture
A one to three hour class where the lecturer addresses a topic relevant to a course.

Major
A specialisation that makes up a major component of a course.

Minor
A specialisation that makes up a minor part of a course.

Pathways
A TAFE–University credit transfer scheme. It allows students to gain credit towards another study.

Postgraduate Studies
Further study at a higher level than a bachelor degree. Eligibility for entry to a postgraduate course normally requires the completion of an approved undergraduate degree.

Recognition of Prior Learning (RPL)
Where a student is granted credit or partial credit towards a qualification in recognition of their current competencies, which may have been gained through education, training, or work and life experience.

Semester
A defined study period within an academic year which commences with the teaching period and concludes at the end of the assessment period. Normally there are two semesters in a year. There is also a Summer Semester that runs from December to February but not all subjects are available for study over this period.

TAFE
Providers of Technical and Further Education courses.

Tertiary Studies
Studies undertaken at a higher level than secondary schooling.

Tutorial
A small class where students discuss issues raised in a lecture, with a tutor. The tutor is either an academic or postgraduate student.

Undergraduate Studies
Studies that form part of a bachelor degree.

University
Institution of higher learning authorised to grant degrees.
CourseFinder
For detailed course and subject information visit:
www.swin.edu.au/coursefinder
Or ring the information hotline on 1300 368 777

Swinburne Expo
Royal Exhibition Building
Carlton Gardens
Sunday 31 August 2003
Between 10.00am and 4.00pm
Website: www.swinexpo.com

Swinburne’s Virtual Campus Tour
www.swin.edu.au/campus_tour

Swinburne’s Course Guide
Degree, Diploma and Certificate courses for 2004
Croydon • Hawthorn • Healesville • Lilydale • Prahran • Wantirna

- Applied and Industrial Sciences
- Building and Construction
- Business, Innovation and Management
- Computing and Information Technology
- Design
- Engineering and Technology
- Health and Human Services
- Hospitality and Tourism
- Multimedia
- Social Sciences and Arts
- Visual and Performing Arts

Swinburne locations
Map not to scale

www.swin.edu.au