

■ Undergraduate and TAFE

# Sustainability

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SWINBURNE  
UNIVERSITY OF  
TECHNOLOGY

[swinburne.edu.au](http://swinburne.edu.au)



CARBON MANAGEMENT  
ENVIRONMENTAL  
SUSTAINABILITY  
RESOURCE EFFICIENCY  
TECHNOLOGIES  
WATER AND CATCHMENT  
MANAGEMENT

# Solve the big issues

Are issues such as water scarcity, over-consumption and climate change insurmountable problems? Or do you see them as a personal and professional challenge?

As a Swinburne sustainability graduate, you could be at the forefront of change towards an ecological civilisation. You'll enter the workforce understanding the need to balance economic considerations and social development within the constraints of the environment we live in and share.

You'll learn that sustainability is not a topic that is studied in isolation – its concepts can be applied to all sectors. Your services as a sustainability professional will be highly valued in government and industry.

Swinburne puts sustainability first. We were the first Australian university to sign a Sustainability Covenant with the Environment Protection Authority Victoria and we now have a strategy for embedding sustainability into every facet of the university.

Our courses will build your capacity to work in a wide range of sectors, and help create a more sustainable approach to doing business in whatever field you choose.

## You may enjoy a career in sustainability if you're interested in:

- business management
- carbon management
- community planning and development
- conservation and the environment
- consulting
- consumer behaviour change
- current affairs and issues
- design
- domestic and global economies
- energy and resource efficiency
- ethics
- natural resources
- new technologies
- politics
- product research and development
- project management
- social and environmental justice.



## A Swinburne sustainability course can help you to build your skills in:

- recommending ways to conserve and enhance resource bases
- considering economics and environment in decision-making
- planning and developing strategies
- thinking strategically
- understanding the synergies between advances in technology and behavioural change
- providing practical solutions to sustainability challenges
- managing risk
- promoting ethical business practices.

## Study abroad

Swinburne offers an extensive range of international study opportunities for both TAFE and degree students.

For more information visit [www.swinburne.edu.au/abroad](http://www.swinburne.edu.au/abroad)

## How we prepare you for your career

Swinburne works closely with industry groups to develop course content, which means we understand exactly what employers are looking for and can ensure the skills you learn are those employers want.

Our teachers are experienced in their industries and experts in their field, so you get the best possible chance to be skilled in the very qualities employers look for. What's more, our involvement with industry and constant monitoring of employment trends means our courses address skills shortage areas, meaning when you graduate, you're likely to be highly employable.

## Campuses going green

As a Swinburne student, you will have access to our state-of-the-art sustainability facilities and infrastructure, designed to enrich your study experience.

Our Wantirna campus is home to the National Centre for Sustainability, boasting world-class facilities for sustainability students and researchers.

At the Hawthorn campus, our brand-new Advanced Technologies Centre was the first educational building in Australia to be given a five-star Green Star rating by the Green Building Council Australia. The building is able to predict changes in weather and adjust temperatures accordingly, and boasts a lighting system that adjusts in response to natural daylight levels.

At the Croydon campus, the Flexible Green Trades Complex is an innovative training facility that allows apprenticeship students to receive training in sustainability for trades.

## Courses at a glance

KEY									
ATAR		PREREQUISITES		CAMPUSES		DURATION		APPLY	
RC	Range of criteria	MATH	Mathematics	C	Croydon	Courses are full-time or part-time in years, unless specified as months.		V	VTAC
				H	Hawthorn			D	Direct
				L	Lilydale	m	Months		
				OL	Online	F	Full-time		
				P	Prahran	P	Part-time		
				W	Wantirna				

STUDY AREA	COURSE	ATAR	PREREQUISITES	CAMPUS	DURATION	APPLY	PAGE
<b>SUSTAINABILITY – UNIVERSITY DEGREES</b>							
Environmental Sustainability	Bachelor of Arts (Sustainability Management)	65.90	20 in English (any)	H	3F 6P	D or V	8
	Bachelor of Science (Environmental Sustainability)	66.00	20 in English (any) and in MATH (any)	H	3F 6P	D or V	7
Dean's Scholarship	Dean's Scholarship – Faculty of Life and Social Sciences	–	Minimum ATAR of 95.00	H	Varies	V	10
<b>SUSTAINABILITY – TAFE COURSES</b>							
Carbon Management	Diploma of Carbon Management	RC	Basic computer skills	H, OL	1P	D	7
Energy and Resource Efficiency Technologies	Certificate IV in Sustainable Energy and Resource Efficiency Technologies	RC	VCE or mature age	W	1F 2P	D or V	9
Sustainability – General	Diploma of Sustainability	RC	Current diploma/degree student	C, H, L, P, W, OL	6mF 1P	D	8
Sustainable Design	Diploma of Sustainable Landscape Design	RC	Basic computer skills	H, P, OL, W	1F 2P	D	9
Sustainable Technologies	Certificate IV in Renewable Energy	RC	VCE or mature age	W	1F 2P	D or V	9
	Certificate IV in Sustainable Energy and Resource Efficiency Technologies	RC	VCE or mature age	W	1F 2P	D or V	9
Sustainable Water and Catchment Management	Diploma of Sustainable Water and Catchment Management	RC	Relevant experience	L	2F 4P	D	10

# University

**Swinburne's personalised approach to learning puts you at the heart of everything we do. Our degrees give you the skills you need – not just the theory – so you'll have first-hand knowledge of what's needed when you start work. Our flexible course structure lets you shape your education to suit your own aspirations.**

## Swinburne's Professional Learning Model

Our Professional Learning Model lets you learn by doing and prepares you for professional life after university. We give you strong career skills, up-to-date knowledge of your chosen profession and as much exposure to the real world as possible as you study for your degree.

## Flexible course structure

Our flexible course structure allows you to add depth and breadth to your degree, by letting you choose from an extensive range of subjects from different disciplines.

## Majors

Most three-year degrees at Swinburne comprise 24 units of study. You undertake the majority of these units in your primary area of study, which becomes your major.

Your major allows you to broaden your knowledge in a particular area. The number of subjects in a major may vary between courses.

## Minors

A minor is a set of subjects (shorter than a major) studied throughout a degree. The number of subjects in a minor may vary between courses.

Studying a minor will allow you to expand your career options by adding another area of expertise. You can also add depth to your qualification by studying units related to your major.

## Elective units

The remaining units that make up your degree are called elective units, which you can use to explore related or non-related areas of interest.

Depending on your course structure and timetable availability, you may be able to use these units to complete a double major, a major and a minor, or a major with two minors.

Please note that some four-year degrees may not offer the same flexibility.

## Summer and Winter terms

Swinburne's Summer and Winter terms give you the flexibility to spread out your study load to fit around your work and life commitments or finish your course sooner. You can also\*:

- add breadth or depth to your degree by completing a minor
- undertake single units of study to explore areas of interest
- take a study tour to Kuching, Malaysia, home to Swinburne's Sarawak campus.

[www.swinburne.edu.au/summer-winter](http://www.swinburne.edu.au/summer-winter)

*\* Some of these options may not be available for all programs.*

## Industry-Based Learning

Swinburne's Industry-Based Learning (IBL) program gives you real-world experience during your undergraduate degree. IBL is a six- or 12-month paid work placement in the industry you're interested in pursuing as a career path. It is an opportunity to gain real-life experience in your chosen field.

IBL gives you a distinct advantage over other graduates. Combining tertiary qualifications with practical experience can better prepare you for the opportunities and challenges of professional life, and allow you to develop practical skills and an understanding of how your chosen industry works.

*Please note: IBL is not available to international students due to student visa conditions.*

## Final-year Capstone Projects

Capstone Projects are professionally focused, real-world team projects normally completed in your final year of study.

Capstone Projects give you a chance to identify your strengths and develop the skills you will need to succeed once you graduate.

[www.future.swinburne.edu.au/capstone](http://www.future.swinburne.edu.au/capstone)

## Careers in the Curriculum

Swinburne's free Careers in the Curriculum program helps you develop your career-planning skills. You will develop a personal study and career plan and explore available job options, while also getting invaluable practical advice on job applications, résumé preparation and interviews.

[www.future.swinburne.edu.au/careers](http://www.future.swinburne.edu.au/careers)



# TAFE

**Whether you are a young person preparing for your first job or an older person looking to re-train or take the first step in a career change, TAFE could be the right choice for you. TAFE courses help you to build the practical skills and technical expertise that make you employable.**

At Swinburne, we offer TAFE practicality with the support of a top-ranking university environment. And with flexible study options including online, blended learning programs (a combination of on- and off-campus study), workplace delivery and part-time study, our TAFE courses can fit in with your life and work.

## Choosing the right qualification

The course you choose depends on your current level of knowledge and what you want to achieve. It is also possible to pathway between levels as your skills and knowledge grow.

### Foundation level

If you left school before completing Year 12 or missed out on the basics, a foundation course may suit you.

### Certificate I and II

Courses at this level provide basic training in a specific industry area. The courses aim to get you started in an industry or provide the specific skills your employer wants. Many Certificate I and II courses are pre-apprenticeships.

### Certificate III and IV

Certificate III and IV courses provide entry into various trades, traineeships or other jobs that require skills and knowledge beyond a basic level.

### Diploma and advanced diploma

Courses at this level help you to progress to a university degree or get started in a paraprofessional job. Or they might give you the skills to get a promotion, or the confidence to handle increased expectations at work.

## Preparation for your career

Swinburne's TAFE graduates are in demand by employers because they are industry ready. During your course, you'll work to real-world expectations, using the equipment and technology you'll encounter once you start your job.

All of our programs have work-based elements, which can include work placements and projects, work scenarios and simulations to ensure you are work ready.



## University study skills

If you decide to progress from a TAFE diploma or advanced diploma course to a university degree, to help you make a successful transition Swinburne offers a program in Advanced University Study Skills. The program is designed to help you familiarise yourself with the typical study skills needed to best manage the pressures and challenges of degree-level study.

For more information visit [www.swinburne.edu.au/uniskills](http://www.swinburne.edu.au/uniskills)

# Pathways from TAFE to degree courses

Offering both TAFE and bachelor degree courses, Swinburne makes it easy to pathway from TAFE to a degree course while ensuring that you get the maximum benefit from your previous studies.

## Guaranteed Entry Scheme

The Guaranteed Entry Scheme (GES) gives Swinburne diploma and advanced diploma students guaranteed entry into a selected range of Swinburne undergraduate degree courses. You'll receive credit for your studies, fast-tracking you into later stages of the degree.

Depending on the TAFE program you complete, you can choose from a selected range of undergraduate degrees. For a guide to the available degrees, see the table below, or for a full listing refer to [www.swinburne.edu.au/ges](http://www.swinburne.edu.au/ges)

## Pathways Direct

If you meet the entry requirements, you may be eligible to pathway into university via the Pathways Direct Scheme, which opens up a greater number of courses and specialisations to you. The level of credit granted depends on the relevance of your TAFE qualification to the degree program you are enrolling in. Refer to the table below for a guide to the maximum credit exemptions you may receive. Preference for entry into a degree course is given to those with a credit grade average (65% or above) and no fails in their final year of study.

## Credit transfer

If you have completed a qualification at another Australian or international institution you may be eligible to receive credit and enter a degree with advanced standing. To find out if you are eligible, speak to an adviser on 1300 275 794.

KEY	
C	Croydon
H	Hawthorn
L	Lilydale
OL	Online
P	Prahran
GES	Guaranteed Entry Scheme

TAFE COURSE	CAMPUS	UNIVERSITY DEGREE	CAMPUS	PATHWAY SCHEME	MAXIMUM UNIT EXEMPTION	MINIMUM TIME TO COMPLETE DEGREE
<b>SUSTAINABILITY</b>						
Diploma of Carbon Management	H	Bachelor of Business	L	GES	8 units	2 yrs
		Bachelor of Commerce	H	GES	8 units	2 yrs
		Bachelor of Communication	L	GES	8 units	2 yrs
		Bachelor of Social Science	L	GES	8 units	2 yrs
Diploma of Conservation and Land Management	L	Bachelor of Arts	H	GES	8 units	2 yrs
		Bachelor of Business	L	GES	8 units	2 yrs
		Bachelor of Communication	L	GES	8 units	2 yrs
		Bachelor of Science	H	GES	8 units	2 yrs
		Bachelor of Social Science	H	GES	8 units	2 yrs
Diploma of Sustainability	C, H, L, P	Bachelor of Business	L	GES	8 units	2 yrs
		Bachelor of Commerce	H	GES	8 units	2 yrs
		Bachelor of Communication	L	GES	8 units	2 yrs
		Bachelor of Social Science	L	GES	8 units	2 yrs
Diploma of Sustainable Landscape Design	H, OL	Bachelor of Business	L	GES	8 units	2 yrs
		Bachelor of Commerce	H	GES	8 units	2 yrs
		Bachelor of Communication	L	GES	8 units	2 yrs
		Bachelor of Social Science	L	GES	8 units	2 yrs
Diploma of Sustainable Water and Catchment Management	L	Bachelor of Arts	H	GES	8 units	2 yrs
		Bachelor of Business	L	GES	8 units	2 yrs
		Bachelor of Commerce	H	GES	8 units	2 yrs
		Bachelor of Communication	L	GES	8 units	2 yrs
		Bachelor of Science	H	GES	8 units	2 yrs
		Bachelor of Social Science	L	GES	8 units	2 yrs

Note: This table is a guide only. Please see [www.swinburne.edu.au/pathways](http://www.swinburne.edu.au/pathways) for the most up-to-date information.

## Course information

- T** TAFE course
- U** University degree

### Carbon Management

#### Diploma of Carbon Management **T** **NEW**

**Campus:** Hawthorn, online  
**Duration:** One year part-time  
**Prerequisites:** Basic computer skills  
**Application:** Direct

Develop the skills and knowledge necessary to understand government policy and workplace requirements regarding the management of greenhouse gas emissions. You will be introduced to the principles of carbon management, carbon accounting and reporting. You will learn how to assess risk; assess and apply principles of energy, policy and change management; create and implement carbon management strategies; and lower an organisation's carbon footprint.

#### Major study areas

- Principles of energy and resource efficiency
- Behaviour change
- Carbon accounting and reporting
- Organisation engagement and training in greenhouse gas management
- Creation and implementation of a greenhouse gas management plan

#### Career opportunities

You may find employment in environmental or risk management positions, or as a consultant to industry. Other possible roles include energy manager, environmental officer and accountant.

### Environmental Sustainability

#### Bachelor of Science (Environmental Sustainability) **U**

**Campus:** Hawthorn  
**Duration:** Three years full-time or equivalent part-time  
**Prerequisites:** Units 3 and 4 – a study score of at least 20 in each of English (any) and in Mathematics (any)  
**Application:** Direct (all intakes) or VTAC (Semester 1)  
**VTAC code:** 34471 (CSP), 34473 (IFP)  
**2011 Round 1 Clearly-in ATAR:** 66.00

This course takes a practical view of how corporations and other organisations can take responsibility for their environmental impact. You will gain an understanding of the issues of sustainability on both small and large scales, and apply the principles of sustainable development to examine issues of environmental, social and ecological degradation.

This multidisciplinary course incorporates scientific skills such as chemistry, biology and microbiology, and assesses the responsibility of stakeholder groups in managing environmental sustainability in the future.

#### Major study areas

- Chemistry
- Sustainability
- Environmental management
- Water science
- Microbiology
- Behaviour change for sustainability
- Research methods

#### Career opportunities

You may find employment in a range of roles involving sustainability management in the private and public sectors. Opportunities are growing in areas such as environmental risk assessment and protection; renewable energy development; carbon, waste and resource management; and building sustainable communities.

### The VTAC code indicates the fee type.

**VGf:** VET government-funded place  
**FTDP:** Fee type determined by provider  
**CSP:** Commonwealth supported place  
**IFP:** International fee place

To find out which fee type you're eligible for, visit [www.vtac.edu.au](http://www.vtac.edu.au)

## Course information

- T** TAFE course
- U** University degree

### Anne Sowden Diploma of Community Development/Diploma of Sustainability

“It was a real bonus that I could study the Diploma of Sustainability at the same time as studying the Diploma of Community Development.

Throughout the course I gained a solid understanding of the key issues of sustainability, and I'm now far more confident in my understanding of the 'science' of climate change.

The class facilitator was excellent and discussion was very engaging and informative. After every class I came away inspired to read more, learn more and do more.”



## Sustainability – General

### Diploma of Sustainability **T**

**Campus:** Croydon, Hawthorn, Lilydale, Prahran, Wantirna, online

**Duration:** Six months full-time, one year part-time (15 sessions)

**Prerequisites:** This course is available to all students studying a diploma or degree, or those who have completed a diploma or higher qualification and have relevant work experience. Those without a previous or concurrent diploma or degree may undertake this course, but will receive only a statement of attainment.

**Application:** Direct

This course introduces you to key sustainability concepts, tools and practices, and empowers you with specialised skills and knowledge that can be applied to a broad range of areas. You will be equipped to develop and implement programs to support behaviour change, and to research and apply sustainable production and consumption principles. You will learn to develop business plans for sustainable management within a business practice and to determine the advantages for businesses and organisations of aligning with sustainability practices.

#### Major study areas

- Tools and concepts of sustainability and sustainable practices
- Behaviour change models, theories and programs
- Development of a business plan for responsive and sustainable business practices
- Principles of sustainable design, sustainable production and consumption

#### Career opportunities

This course will allow students to gain or upgrade their skills so they can integrate sustainability into their existing role, or transition into a sustainability-related career in a position such as sustainability officer, environmental and social sustainability adviser or project manager.

## Sustainability Management

### Bachelor of Arts (Sustainability Management) **U**

**Campus:** Hawthorn

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

**Prerequisites:** Units 3 and 4 – a study score of at least 20 in English (any)

**Application:** Direct (all intakes) or VTAC (Semester 1)

**VTAC code:** 34391 (CSP), 34393 (IFP)

**2011 Round 1 Clearly-in ATAR:** 65.90

Societies are changing faster than current consumption demands and planning can deal with. This course gives you the knowledge and skills to sustainably manage our future. You will examine issues such as global warming, resource depletion, fossil-fuel and motor-vehicle dependence, community health, social exclusion, inequality, health and social wellbeing.

This course incorporates units from a range of disciplines, including human ecology, economics, philosophy, sociology, environmental science and politics. You will develop problem-solving and technical skills to manage sustainable outcomes in public policy and private business.

#### Major study areas

- Environment and sustainability
- Environmental philosophy
- Communications
- Media
- Ecological economics
- Environmental management
- Politics and policy studies

#### Career opportunities

Community, public and private sector organisations seek graduates with superior skills in addressing complex sustainability management challenges. You may find employment in a wide range of positions, including public administration, community development, social research, resources management, compliance monitoring and communication.

## Sustainable Design

### Diploma of Sustainable Landscape Design **T**

**Campus:** Hawthorn, Prahran, online (some classes at Wantirna)

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

**Prerequisites:** Candidates are expected to have basic computer skills and demonstrated capacity in literacy, numeracy and interpersonal communication skills

**Application:** Direct

Students will be taught best practice in landscape design and sustainable landscaping. You will learn that, as a landscape designer, your role is to create landscapes that facilitate positive social interactions, benefit the environment and are economically viable. These designs will follow the first principle of sustainability: to meet the needs of the present without compromising those of future generations.

#### Major study areas

- Prepare a landscape project design
- Produce computer-aided drawings
- Recommend plants and cultural practices
- Design towards sustainable landscapes
- Oversee sustainable landscape construction techniques
- Apply water-sensitive urban design (WSUD)

#### Career opportunities

You may find employment as a landscape designer, sustainability consultant, project manager implementing sustainable practice or sales consultant for sustainable landscape products.

#### Professional recognition

You will be eligible to apply for membership of the Australian Institute of Horticulture and industry associations.

## Sustainable Technologies

### Certificate IV in Renewable Energy **T**

**Campus:** Wantirna

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

**Prerequisites:** Satisfactory completion of Year 12 or equivalent, or mature age

**Application:** Direct (all intakes) or VTAC (February start)

**VTAC code:** 71001 (VGF), 71004 (FTDP)

This qualification teaches students how to select, install, commission, fault-find and maintain multiple renewable energy sources (such as photovoltaic solar panels, solar energised battery systems, wind energy conversions systems and micro-hydro systems) and equipment for control of energy use. Graduates will have the ability to connect various energy sources to the electrical grid system. The course also offers graduates an opportunity to explore accreditation for Clean Energy status with the Clean Energy Council.

#### Major study areas

- Electrical technology and electronics
- Renewable energy technologies
- Solar design, wind energy and photovoltaic systems
- Grid connect and stand-alone renewable energy systems
- Business

#### Career opportunities

Employment opportunities exist in engineering, sales, local government, system design, installation, gardening and building. Successful completion provides a pathway for Clean Energy Council (CEC) accreditation for stand-alone power supplies and grid connect design.

See also Advanced Diploma of Electrical – Technology (specialising in Industrial Automation and Control or Renewable Energy Power Supplies) in the Engineering and Technology brochure.

### Certificate IV in Sustainable Energy and Resource Efficiency Technologies **T**

**Campus:** Wantirna

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

**Prerequisites:** Satisfactory completion of Year 12 or equivalent, or mature age with basic literacy, mathematics, science and computing skills

**Application:** Direct (all intakes) or VTAC (February start)

**VTAC code:** 71221 (VGF), 71224 (FTDP)

This course covers the practical application of sustainable energy and resource efficiency technologies, including renewable energy (solar, wind, solar water heating and bioenergy); energy efficiency; water efficiency, collection and treatment; carbon accounting; conducting sustainability assessments; material efficiency including waste minimisation; developing action plans to achieve efficiency; and planning the retrofitting of domestic and small-scale commercial buildings.

The course is structured to deliver knowledge and skills that will enable graduates to install or supervise the installation of apparatus, provide advice to clients, provide retail and wholesale services to the relevant industry and for policy and planning roles.

#### Major study areas

- Sustainability assessments
- Energy, water and materials efficiency
- Renewable energy technologies
- Retrofitting of buildings for efficiency
- Sustainable enterprises and work practices
- Solar water heating and design principles
- Business and project management

#### Career opportunities

Graduates will be able to conduct sustainability assessments for homeowners and small enterprises; install, supervise and/or design resource efficiency technologies; provide advice to clients in retail and wholesale sectors of industry; or work in policy and planning roles government agencies and non-government organisations.

## Course information

- T** TAFE course
- U** University degree

### Water and Catchment Management

#### Diploma of Sustainable Water and Catchment Management **T**

**Campus:** Lilydale

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

**Prerequisites:** Applicants must demonstrate experience, commitment or current employment in the water management industry

**Application:** Direct

You will gain the skills and knowledge required to manage water resources for regional and state catchment management authorities using integrated and sustainable strategies.

#### Major study areas

- Occupational health and safety program
- Implementation of waterways strategies
- Catchment hydrology
- Works projects in catchments and waterways
- Providing technical advice on sustainable catchment management
- Contracts
- Promoting group formation and development

#### Career opportunities

You may find employment with water and catchment authorities, local government, private enterprise and consultancies.

### Dean's Scholarship

#### Dean's Scholarship – Faculty of Life and Social Sciences **U**

**Campus:** Hawthorn

See relevant course entry in this brochure for specific duration and prerequisite information.

**Application:** Students must apply through VTAC

**VTAC code:** 34891

**Minimum ATAR:** 95.00

Under this program, students may select either a single bachelor degree in science or arts offered at the Hawthorn campus. Recipients will receive a waiver from student contribution payments for the duration of their course (subject to academic performance and other scholarship conditions).

**Industry-Based Learning is available in most degree programs.**

Visit [www.swinburne.edu.au/ibl](http://www.swinburne.edu.au/ibl) for further information.



## ■ KEY DATES

21 August 2011  
Swinburne Open Day  
Hawthorn, Lilydale and Prahran  
[swinburne.edu.au/openday](http://swinburne.edu.au/openday)

16–21 December 2011  
Change of Preference period  
[swinburne.edu.au/cop](http://swinburne.edu.au/cop)

## ■ ANY QUESTIONS?

1300 275 794  
[study@swinburne.edu.au](mailto:study@swinburne.edu.au)  
[swinburne.edu.au](http://swinburne.edu.au)



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[swinburne.edu.au/youtube](http://swinburne.edu.au/youtube)

## ■ CAMPUSES

Hawthorn campus  
John Street, Hawthorn

Prahran campus  
144 High Street, Prahran

Lilydale campus  
Melba Avenue, Lilydale

Croydon campus  
12–50 Norton Road, Croydon

Wantirna campus  
369 Stud Road, Wantirna

Sarawak campus  
Kuching, Sarawak, Malaysia



CRICOS Provider Code: 00111D

The information contained in this course guide was correct at the time of publication, July 2011.

The university reserves the right to alter or amend the material contained in this guide. The information in this guide does not apply to international students. For information about courses for international students please go to: [www.international.swinburne.edu.au](http://www.international.swinburne.edu.au)

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