

■ TAFE

# Horticulture and Environment

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SWINBURNE  
UNIVERSITY OF  
TECHNOLOGY

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

CONSERVATION AND  
LAND MANAGEMENT  
FLORISTRY  
SUSTAINABILITY  
SUSTAINABLE  
LANDSCAPE DESIGN  
VITICULTURE



# Get working in the great outdoors

If the great outdoors is where you want to work, our horticulture and environment courses are a perfect choice. As a horticulture and environment graduate you can be lucky enough to do what you love and love what you do – a chance not offered to many.

Swinburne's courses can lead you to a fulfilling and exciting career outdoors, whether you aspire to become a landscaper, park ranger, plant grower, waterways manager, environmental officer or vineyard manager. If you would prefer to take on further study, there are many areas of research to get involved in.

## You may enjoy a career in horticulture and environment if you're interested in:

- trees, plants and flowers
- working with your hands
- protecting the natural environment
- working outdoors
- improving the appearance of outdoor spaces
- wine and produce.

## A Swinburne horticulture and environment course can help you to build your skills in:

- managing natural resources such as flora, fauna and water
- environmental restoration
- plant health and nutrition
- recognising and propagation of plants
- business management and administration
- collecting, analysing and organising information
- problem-solving
- understanding the importance of sustainability.

## Courses at a glance

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

STUDY AREA	COURSE	ATAR	PREREQUISITES	CAMPUS	DURATION	APPLY	PAGE
<b>HORTICULTURE AND ENVIRONMENT – TAFE COURSES</b>							
<b>Conservation and Land Management</b>	Certificate II in Conservation and Land Management	RC	Year 10 and commitment to industry	L	6mF	D	5
	Certificate IV in Conservation and Land Management	RC	VCE or mature age	L	2P	D	5
	Diploma of Conservation and Land Management/ Diploma of Sustainability	RC	VCE or mature age	L	2F 4P	D or V	5
<b>Floristry</b>	Certificate II in Floristry	RC	15 years old	W	1P	D	5
	Certificate III in Floristry	RC	15 years old	W	3P	D	5
<b>Horticulture</b>	Certificate II in Horticulture	RC	Year 10	W	6mF	D	6
	Certificate III in Horticulture	RC	Employed as apprentice	W	3P	D	6
	Diploma of Horticulture	RC	VCE or mature age	W	2F 4P	D or V	6
	Diploma of Horticulture/Diploma of Sustainability	RC	VCE or mature age	W	2F 4P	D or V	6
<b>Landscape Design</b>	Diploma of Sustainable Landscape Design	RC	Basic computer skills	H, P, OL and W	1F 2P	D	7
<b>Viticulture</b>	Diploma of Production Horticulture (specialising in Viticulture) incorporating Certificate IV	RC	Industry employed or experience	L	3–4P	D	7
<b>Water and Catchment Management</b>	Diploma of Sustainable Water and Catchment Management	RC	Industry employed or experience	L	2F 4P	D	7

# 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)

## 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)



# 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	
H	Hawthorn
L	Lilydale
OL	Online
W	Wantirna
GES	Guaranteed Entry Scheme

TAFE COURSE	CAMPUS	UNIVERSITY DEGREE	CAMPUS	PATHWAY SCHEME	MAXIMUM UNIT EXEMPTION	MINIMUM TIME TO COMPLETE DEGREE
<b>HORTICULTURE AND ENVIRONMENT</b>						
Diploma of Conservation and Land Management	L	Bachelor of Arts (Sustainability Management)	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 (Environmental Sustainability)	H	GES	8 units	2 yrs
		Bachelor of Social Science	H	GES	8 units	2 yrs
Diploma of Horticulture	W	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 Horticulture/ Diploma of Sustainability	W	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	L	GES	8 units	2 yrs
Diploma of Production Horticulture Specialising in Viticulture	L	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

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

### Conservation and Land Management

#### Certificate II in Conservation and Land Management **T**

**Campus:** Lilydale

**Duration:** Six months full-time

**Prerequisites:** Successful completion of Year 10 or equivalent. Applicants should also have a commitment to a career in the industry.

**Application:** Direct

The conservation and land management industry in Australia is an expanding, vibrant industry with rewarding employment opportunities for skilled and well-trained people. If you are looking for a career in this industry, this course will give you an excellent start in obtaining the skills and knowledge required.

#### Major study areas

- First aid and occupational health and safety procedures
- Working and communicating in the industry
- Observing environmental work practices
- Installing paths and fencing
- Planting trees and shrubs, and treating weeds
- Identifying plants and animals, including trapping
- Sampling and testing water

#### Career opportunities

Employment in the conservation and land management industry or further study.

#### Certificate IV in Conservation and Land Management **T**

**Campus:** Lilydale

**Duration:** Two years part-time

**Prerequisites:** Satisfactory completion of Year 12 or equivalent, or mature age. It is strongly recommended that applicants have completed at least one VCE unit in chemistry, biology or mathematics.

**Application:** Direct

**VTAC code:** 70751 (VGF), 70754 (FTDP)

You will gain a broad knowledge of environmental science and develop management strategies for the sustainable use of our resources. You will obtain a thorough understanding of the use, maintenance, conservation and effective management of our natural resources, including flora, fauna and water.

#### Major study areas

- Land and water management
- Parks and wilderness management, parks and recreation management, vegetation and wildlife management
- Monitoring biodiversity
- Implementing revegetation works
- Projects, contractors and budgets
- Community networks and programs
- Mapping systems for land management purposes

#### Career opportunities

Graduates may seek roles in forest, park and catchment management; ecotourism; environmental science research; revegetation and land rehabilitation; hydrography; irrigation and ground water management; and environmental education.

### Conservation and Land Management/ Sustainability

#### Diploma of Conservation and Land Management/Diploma of Sustainability **T**

**Campus:** Lilydale

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

**Prerequisites:** Successful completion of Year 12 or equivalent, or mature age. It is strongly recommended that applicants have completed at least one VCE unit in chemistry, biology or mathematics.

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

**VTAC code:** 70101 (VGF), 70104 (FTDP)

You will develop a broad knowledge of environmental science and specialise in the development of management strategies for the sustainable use of our resources. You will also be introduced to and explore the application of sustainability concepts. In particular, you will learn about production and consumption, and the related impact on society and the environment.

#### Major study areas

- Conducting biological surveys
- Planning river restoration
- Conducting field ecological studies
- Developing management plans
- Collecting and classifying plants
- Managing faunal populations
- Planning erosion and sediment controls

#### Career opportunities

Graduates may seek work in forest, park and catchment management; ecotourism; environmental science research; revegetation and land rehabilitation; hydrography; irrigation and groundwater management; and environmental education.

### Floristry

#### Certificate II in Floristry **T**

#### Certificate III in Floristry **T**

**Campus:** Wantirna

**Duration:** *Certificate II* – One year part-time;

*Certificate III* – Three years part-time

**Prerequisites:** At least 15 years of age

**Application:** Direct

Certificate II will provide you with the understanding and skills you need to start a career in the floristry industry or to get a step-up for people already working in the field.

Certificate III is based on industry-identified floristry training package competencies. It will provide you with the knowledge and skills needed to operate successfully at trade-level in commercial retail floristry.

#### Major study areas

- Creating floristry designs
- Assembling and preparing floristry products
- Working in a retail environment
- Communicating in the workplace

#### Career outcome

Employment as a qualified florist.

# Course information

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

## Horticulture

### Certificate II in Horticulture **T**

**Campus:** Wantirna

**Duration:** Six months full-time

**Prerequisites:** Successful completion of Year 10 or equivalent

**Application:** Direct

This practical course provides students with the skills and abilities appropriate to meet the needs of the various sectors within the horticultural industry. It is an excellent pre-apprenticeship course for people wishing to secure employment as an apprentice or trainee.

#### Major study areas

- Recognising, tending and potting plants
- Planting and pruning shrubs and trees
- Occupational health and safety procedures
- First aid
- Maintenance of machinery, properties and structures

#### Career opportunities

Employment in the horticulture industry or further study.

### Certificate III in Horticulture **T**

**Campus:** Wantirna

**Duration:** Three years part-time

**Prerequisites:** At least 15 years of age and employed in the horticulture industry as an apprentice

**Application:** Direct

These apprenticeship courses provide students with the skills and abilities appropriate to meet the needs of the various sectors within the horticultural industry.

#### Major study areas

- Floristry
- Landscape
- Parks and gardens
- Retail nursery
- Turf
- Wholesale nursery

#### Career outcome

Employment in the horticulture industry in floriculture, landscape, nursery, production horticulture (viticulture), parks and gardens, or turf.

### Diploma of Horticulture **T**

**Campus:** Wantirna

**Duration:** Two years 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:** 71311 (VGF), 71314 (FTDP)

This course is ideal if you have a demonstrated commitment to horticulture and wish to pursue a career within the nursery, landscape, parks and gardens, turf, arboriculture or floriculture industries. You will learn about plant nutrition, plant health, propagation and recognition of plants, landscape design, products and services, as well as business management and administration.

#### Major study areas

- Ecologically sustainable design
- Horticulture (including nursery and plant nutrition)
- Integrated pest and disease management
- Irrigation and water management
- Landscape horticulture
- Parks and gardens
- Soil science

#### Career opportunities

Employment in the horticulture industry at a technical, supervisory or managerial level.

### Hamish Curran Certificate III in Horticulture (Landscaping)

“The hands-on nature of an apprenticeship is highly engaging, and actually performing the skills I have studied has enabled me to constantly improve. I was fortunate to have been recognised as the Landscape Industry Association of Victoria Apprentice of the Year for 2010.”



## Horticulture and Sustainability

### Diploma of Horticulture/ Diploma of Sustainability **T**

**Campus:** Wantirna

**Duration:** Two years 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:** 71041 (VGF), 71044 (FTDP)

You will receive education and practical training to graduate as a horticulture industry professional with an understanding of sustainable development. Sustainability is an important issue for all organisations due to the impact they have on people and the environment in which they operate.

#### Major study areas

- Behavioural change for sustainability
- Horticulture
- Integrated pest and disease management
- Irrigation and water management
- Landscape design and planning
- Parks and gardens
- Soil science
- Sustainability concepts (including sustainable business practices, production and consumption)

#### Career opportunities

Employment in a technical, supervisory or management role in the horticultural industry or further study. Many organisations are now seeking graduates from traditional fields who also have an understanding of sustainable development.

#### Professional recognition

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

## Landscape 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 be following 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.

## Viticulture

### Diploma of Production Horticulture specialising in Viticulture and incorporating a Certificate IV **T**

**Campus:** Lilydale

**Duration:** Three to four years part-time

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

**Application:** Direct

You will develop the skills and abilities appropriate to meet the needs of the viticulture industry. An introduction to wine analysis, evaluation and production is included.

#### Major study areas

- Occupational health and safety procedures
- Weed, pest and/or disease control in crops
- Land use strategies
- Irrigation system maintenance and monitoring programs
- Harvest of agricultural and horticultural crops
- Production plans for crops
- Budget and financial reports
- Soils/growing media

#### Career opportunities

Graduates may seek self-employment as a vineyard supervisor or employment in a technical or supervisory role in the wine industry.

#### Professional recognition

You will be eligible to apply for membership of the Australian Society of Viticulture and Oenology and industry associations.

## 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
- 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 enterprises and consultancies.

### 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)

## ■ 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?

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## ■ 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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