Visiting us

Swinburne’s Faculty of Information and Communication Technologies free educational programs are designed to enhance and enrich your students’ learning.

**VCE IT Applications Day**

**Dates:** Term 3 – 19, 26 and 31 July  
**Time:** 9.30am-3.00pm  
**Lunch provided**

This hands-on workshop has been designed to enrich students’ understanding of the IT Applications curriculum. Students will be shown examples of networking hardware and will learn about the different types of security threats that affect systems. Topics include:

- Networking
- Network Security
- Online communities

Students will also find out about the different career pathways and employment opportunities in the ICT industry throughout the course of the day.

**VCE Software Development Day**

**Dates:** Term 3 – 17 and 24 July  
**Time:** 9.30am-3.00pm  
**Lunch provided**

This hands-on workshop for VCE Software Development is based on the subject’s curriculum. Students will be guided through a range of activities including a computer game-based problem. Students will also be shown examples of networking hardware and will learn about the different types of security threats and how they affect systems. Topics include:

- Programming
- Networking
- Security

Students will also find out about the different career pathways and employment opportunities in the ICT industry throughout the course of the day.

**Higher Education Studies within the VCE**

The Higher Education Studies within the VCE Program gives you the chance to study first year university units while completing Year 12. You’ll receive credit for the units you’ve studied towards your VCE as well as a relevant bachelor degree at Swinburne.

**Girls in IT Day**

**Dates:** 29 May, 11 September, 13 November  
**Time:** 9.30am-2.30pm  
**Lunch provided**

Swinburne’s Girls in IT event will include interactive programming and design workshops, inspirational female industry speakers, and an opportunity to hear from current female ICT students. This program is open to students from Year 7 to 10.

**Higher Achievers Day**

**Date:** Term 2 – 26 June  
**Time:** 10.00am–3.00pm  
**Lunch provided**

The Higher Achievers program provides gifted and high achieving students in Years 9, 10 and 11 the opportunity to participate in a series of practical and engaging workshops designed to enhance their understanding of core ICT study areas. This program showcases new technologies and how they relate to future study choices. Teachers are invited to nominate Year 9, 10 and/or 11 high-achieving students to attend the day. Sessions include:

- Games Programming
- Viruses and Network Security
- Careers in ICT
- Information Systems

The program will conclude with a 3-D AstroTour in Swinburne’s virtual reality theatre.

**ICT in Business Day**

**Dates:** Term 3 – 18 July  
**Time:** 9.30am-3.00pm  
**Lunch provided**

ICT plays a pivotal role in our economy, and organisations depend on ICT to create new opportunities, to compete successfully and to achieve strategic goals. This full-day program is based on the year 11 and 12 VCE IT Applications curriculum and delivers practical workshops that are designed to enrich students’ studies, focusing on the application of Information Technology in:

- SME’s and large-scale organisations
- A global society
- Online Communities
- Driving change management
- Business intelligence software
- Project Management

Students will also find out about the different career pathways and employment opportunities in the ICT industry throughout the course of the day.

**Bachelor of Information Technology – Industry Scholarship program**

**Information Session**

**Date:** 6 September  
**Time:** 5.30pm-6.30pm

Developed in partnership with many of Australia’s top companies, the Bachelor of Information Technology (BIT) prepares highly capable students for future leadership roles in IT management. Students receive $40,000 over the 3 years in conjunction with guaranteed industry placements.

The BIT also provides one of the highest employment rates of all ICT courses in Australia.

Join us for this information session to learn more about the BIT, and hear from some of our graduates and industry sponsors.

---

**Custom designed workshops**

We can organise a custom day for your students, offering workshops and/or presentations to fit within your timetable. Please let us know what topic you wish us to present on and to what year level. We will endeavour to accommodate your request.

“In 2011 we attended Swinburne’s IT Applications Day with 40 students. Three really interesting sessions were delivered on networks, security and online communities. It was a great opportunity for our students and I would definitely recommend this program to others.”  **IT Teacher, Aquinas College**
At your school

With dedicated staff to come to your school we can provide a range of activities from current students to interactive presentations in the classroom, free of charge.

Courses and Career Pathways
The ICT industry continues to grow and change and Swinburne is committed to keeping schools up-to-date on these changes and trends. We have staff available to visit your school and deliver presentations on career pathways in ICT to suit your needs. These presentations can cover everything from careers to courses, emerging technologies and key employment growth areas.

Student Guest Speakers
We facilitate presentations by current students studying ICT at Swinburne. Students discuss the decision-making process that led them to choose their respective courses, their career aspirations, the transition from school to university life, and future employment opportunities. This is a wonderful opportunity for students to meet, hear from and ask questions of current university students.

Industry Guest Speakers
We will facilitate a presentation by an industry guest speaker where students will hear from and have the opportunity to talk to role models with ICT careers. Swinburne ICT graduates will share what their role involves, what made them choose ICT and the amazing opportunities ICT offers them.

Women in ICT
Driven by the enormous shortage of women in the ICT industry this presentation is designed to provide an understanding and appreciation of women in ICT. It also focuses on the vast career opportunities available to women in the ICT industry due to the under-representation of women in this field.

Interactive ICT classes
Swinburne has a range of interactive programs that can be delivered at your school, to enhance understanding of ICT topics.

Web 2.0
A look at today’s most popular websites, including Facebook, MySpace, YouTube and Bit Torrent, and the surprising logistics behind making them reality.

Hacking, Cracking and Viruses
Students will be shown how viruses and other security threats breach systems and how you can protect yourself.

IT in Organisations
This session will cover the use of IT in organisations and discuss how goods are moved in the supply chain using Information Systems and Technology. This session is suitable for students with an interest in Business studies or ICT.

Exam Preparation Sessions

<table>
<thead>
<tr>
<th>VCE IT Applications session:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: Wednesday 24 October</td>
<td></td>
</tr>
<tr>
<td>Time: 5.30pm–7.00pm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VCE Software Development session:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: Thursday 25 October</td>
<td></td>
</tr>
<tr>
<td>Time: 5.30pm–7.00pm</td>
<td></td>
</tr>
</tbody>
</table>

Students studying VCE IT Applications or VCE Software development are invited to attend an exam preparation session at Swinburne’s Hawthorn campus. Each session will be presented by an experienced VCE IT teacher and will focus on specific areas of the IT Applications and Software Development curriculum. Students will also receive general advice on exam preparation.

AstroTours

<table>
<thead>
<tr>
<th>Date: Ongoing</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Time: 9.00am–3.00pm</td>
<td></td>
</tr>
<tr>
<td>Cost: $7 primary, $8.50 secondary</td>
<td></td>
</tr>
</tbody>
</table>

AstroTours are 50-minute, guided journeys through the universe in 3-D. Using innovative virtual reality technologies, AstroTours are designed to educate and entertain audiences about astronomy in stereoscopic 3-D. Each AstroTour is hosted by a professional astronomer who adapts the content to the requirements and learning outcomes of the audience.

For the girls

Digital Divas
Digital Divas is a girls-only elective in the Year 8 program that involves 48 minutes each week over one semester.

This school based program will build girls’ ICT skills and confidence and increase their motivation to continue studying ICT.

swinburne.edu.au/ict/schools
School resources

**Curriculum Resources Online**
To help support teachers and students in the classroom we have developed a range of resources for the VCE IT Applications and Software Development curriculum. These resources include online presentations on some of the fundamentals topics in the curriculum.

**Vbugs**
As part of Swinburne’s effort to support secondary schools and enhance the profile of ICT, the Vbugs resource has been developed for all secondary schools to use for free. Vbugs is a resource for creating a game using the SwinGame Software Development Kit (SDK) and VB.NET. Its aim is to teach students the steps involved in programming in a fun but non-superficial manner.

**Teacher Professional Development**
Swinburne will be working with schools and teachers to identify the most-needed areas of PD. If there is a particular area of PD you are interested in, please contact us and we will endeavour to assist you as best we can.

**Graduate Certificate in Educational Technologies**
The Graduate Certificate in Educational Technologies aims to provide understanding, confidence and tools for Primary and Secondary teachers to enable them to incorporate educational technologies into a variety of teaching contexts, combining a formal education with reflective and research components.

**SwinGame Competition**
As part of Swinburne’s initiative to increase students’ interest in and awareness of the technical, design, communication and teamwork skills involved in software development, we have developed a computer games design competition for all secondary school students.

The competition is an exciting opportunity for students to win prize money, gain real-world experience in software and games development and work on a fun, creative project with friends. To give students a head start, we have developed a range of online tutorials that will help with the basics of games design.

For more details go to:
www.swingame.com

The Faculty of ICT is a proud supporter of Edulists – the online IT educator’s community.
edulists.com.au

---

**CONTACT US**

For more information or to register for our programs, visit our website swinburne.edu.au/ict/schools

For more detailed and up-to-date information about any of our programs, please contact:

Bianca van Meeuwen
Telephone: (03) 9214 8768
Email: bvanmeeuwen@swin.edu.au

CRICOS Provider code 00111D.
The information contained in this brochure was correct at the time of printing (January 2012) but is subject to alteration or amendment without notice by Swinburne.
SP0631-10-0112