Graduate Certificate in eForensics

The postgraduate program in eforensics aims to deliver high-quality industry-relevant education to prospective computer forensic and cyber-security professionals.

This program provides the knowledge and skills needed to identify the occurrence of a cybercrime with reference to the current Australian legal framework and to undertake the necessary action to handle evidence through the sequence of acquisition, analysis, preservation, presentation and documentation. It also provides students with the ability to recognise and reduce the incidence of potential vulnerabilities in industry for cybercrime activity.

The program is designed to extend the professional knowledge of those who already have some background in the broad domain of IT, networks and security, but without specialised knowledge of eforensics.

The program has been developed in consultation with industry experts and has an active industry reference group with membership from key organisations including NAB, Deloitte, Verizon and the Victorian and Federal police forces.

Career opportunities

There are many levels of involvement in computer forensics, including advice, design, development, investigation, discovery, seizure, data mining, data analysis, data preservation, ethics and legal representation. Graduates may find employment in industries such as finance and banking, government, health care, law or telecommunications.

Admission requirements

Applicants should have a recognised bachelor degree or equivalent, or relevant professional experience.

Location

Hawthorn campus

Program length

One year part-time

Time commitment

Each unit is six weeks in duration. Formal class time for each unit is one evening per week (5.30pm to 9.30pm) and one full Saturday attendance (9.00am to 5.00pm).

Program structure

All units of study are values at 12.5 credit points unless otherwise stated.

Successful completion of the graduate certificate requires students to complete four core units of study to the value of 50 credit points.

Units of study

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Units of study outlines

ICT70004 Cyberlaw Fundamentals
This unit provides knowledge about the legal and regulatory framework relating to cybercrime and computer forensics.
After successfully completing this unit students should be able to:
- determine where a cybercrime has been committed
- analyse case studies of cybercrime and precedence, and relate to similar situations
- determine relevant material for court proceedings for digital evidence
- prepare briefs for court proceedings for digital evidence
- demonstrate an understanding of current cybercrime law reforms.

ICT70005 eForensic Evidence
This unit provides students with knowledge about the legal requirements for preparing and presenting evidence to court. It prepares students with the skills and knowledge to identify, recover and exhibit forensic evidence.
After successfully completing this unit students should be able to:
- demonstrate an understanding of the current laws related to evidence collection and presentation
- develop and evaluate strategies for continuity
- discuss legal requirements for continuity
- maintain continuity
- demonstrate an understanding of administrative and best practices to produce and provide records
- conduct data recovery and analysis within required scope
- develop and implement an eforensic investigation
- identify and record evidence
- apply exhibit management and classification procedures according to evidentiary requirements.

ICT70006 eForensic Fundamentals
This unit familiarises students with the workings of technologies used to undertake cyber misconduct. It provides an understanding of forensic toolkits and develops the skills to use them. Students will be presented with examples of eforensic artefacts related to each technology.
After successfully completing this unit students should be able to:
- demonstrate knowledge of operating systems, networks, mobile technologies and internet technologies, and related forensic artefacts of each technology
- demonstrate knowledge about the workings of a forensic toolkit
- apply knowledge about the use of forensic toolkits
- identify incidents of electronic fraud
- identify, locate and develop strategies for the evaluation of data sources for eforensic investigation
- describe common malware types and their effects.

ICT70007 eForensic Risk Assessment
This unit provides students with the knowledge and skills to recognise the extent of risks to a business and to develop and implement strategies to minimise those risks.
After successfully completing this unit students should be able to:
- identify the risk of eforensics incidents
- develop and implement risk mitigation strategies
- assess financial risk and business impact from electronic fraud and/or cybercrime
- identify appropriate agencies and/or associations to assist with prevention, assessing or investigating cybercrime in the business environment
- develop appropriate security and risk policy in support of business practices.
General information

**Fees**
In 2014, tuition fees for Australian citizens and permanent residents are based on $2400 per 12.5 credit point unit of study. The fee for the Graduate Certificate in eForensics is therefore $9600.

In the event that a unit of study is derived from another program the applicable fee will be that of the other program. All fees are reviewed each year and may increase without notice.

For all fee enquiries and up-to-date information, visit [www.swinburne.edu.au/fees](http://www.swinburne.edu.au/fees)

**FEE-HELP**
FEE-HELP is a government-funded loan that helps eligible fee-paying students to pay their tuition fees.

FEE-HELP is available to Australian citizens and holders of a permanent humanitarian visa. It is not available to New Zealand citizens and most holders of Australian permanent visas.

For further information, visit [www.studyassist.gov.au](http://www.studyassist.gov.au)

**Application procedure**
You may lodge your application at any time but each of the intake periods has an application submission closing date. To obtain an application form, phone 1300 275 794 or visit [www.swinburne.edu.au/postgrad/apply](http://www.swinburne.edu.au/postgrad/apply)

Applications must be accompanied by a certified copy of your passport or birth certificate, a certified copy of academic transcripts and a current résumé.

**Application closing dates**
Semester 1 – early February
Semester 2 – mid July


**Facilities and services**
As a Swinburne student you will automatically gain access to a range of facilities. These include a well-resourced library, computer laboratories, fitness and health facilities, personal and career counselling, housing, employment and financial advice.

**Recognition of Prior Learning**
Recognition of Prior Learning (RPL) allows students to be granted credit or partial credit towards a qualification in recognition of skills and knowledge gained through work experience, tertiary qualifications and/or formal training.

**International students**
If you want to study at Swinburne, but are not an Australian resident, telephone Swinburne International on (+61 3) 8676 7002 or 1800 897 973 from within Australia, or visit [www.swinburne.edu.au/international](http://www.swinburne.edu.au/international)

**Information and advice**
Information sessions are held regularly throughout the year. They are a great opportunity to meet and talk to staff about postgraduate programs.

You can also organise a one-on-one appointment with a course adviser to discuss your study options and where your qualification may take you.

To make an appointment, visit [www.swinburne.edu.au/postgrad](http://www.swinburne.edu.au/postgrad)

**Further information**
Telephone: 1300 275 794
Email: postgrad@swinburne.edu.au
Website: [www.swinburne.edu.au/postgrad](http://www.swinburne.edu.au/postgrad)
CAMPUSES

Hawthorn campus
John Street, Hawthorn

Melbourne CBD campus
196 Flinders Street, Melbourne

Croydon campus
12–50 Norton Road, Croydon

Wantirna campus
369 Stud Road, Wantirna

Sarawak campus
Kuching, Sarawak, Malaysia

FURTHER INFORMATION

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