

■ Postgraduate

eForensics

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Program at a glance

eForensics	
Award	Graduate Certificate in eForensics
Suitable for	ICT graduates, ICT, legal and financial professionals or ICT-savvy individuals wanting to pursue a career in eForensics
Average duration	One year part-time
Location	Hawthorn campus
Entry requirements	Bachelor degree or equivalent, or recognised professional experience as required for graduate certificate entry, plus demonstrated ICT knowledge
Structure	Four units
2012 fees	\$9600
Intake	February



Program details

Graduate Certificate in eForensics

The Graduate Certificate in eForensics aims to deliver high-quality industry-relevant education to prospective computer forensic and cyber-security professionals.

This course will provide 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. This course will also provide students with the ability to recognise and reduce the incidence of potential vulnerabilities in industry for cybercrime activity.

It also extends the professional knowledge of those who already have some background in the broad domain of IT and networks and security, but without specialised knowledge of eForensics.

This program has been developed in consultation with industry experts. It 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 and telecommunications.

Admission requirements

Admission to the Graduate Certificate of eForensics is available to applicants who hold an undergraduate degree or equivalent qualification, or have 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 (5.30 pm to 9.30 pm) and one full Saturday attendance (9.00 am to 5.00 pm).

Program structure

The Graduate Certificate of eForensics consists of four units (50 credit points) of study taken sequentially.

Units of study

Semester 1	
HIT6630	Cyberlaw Fundamentals
HIT6631	eForensic Fundamentals
Semester 2	
HIT6632	eForensic Evidence
HIT6633	eForensic Risk Assessment

For specific unit and course information visit www.swinburne.edu.au/courses



Units of study

HIT6630 Cyberlaw Fundamentals

This unit provides knowledge of 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.

HIT6631 eForensic Fundamentals

This unit familiarises students with the workings of the various 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 with each of the technologies.

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 of the workings of a forensic toolkit
- apply knowledge of the usage 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.

HIT6632 eForensic Evidence

This unit provides students with knowledge of 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:

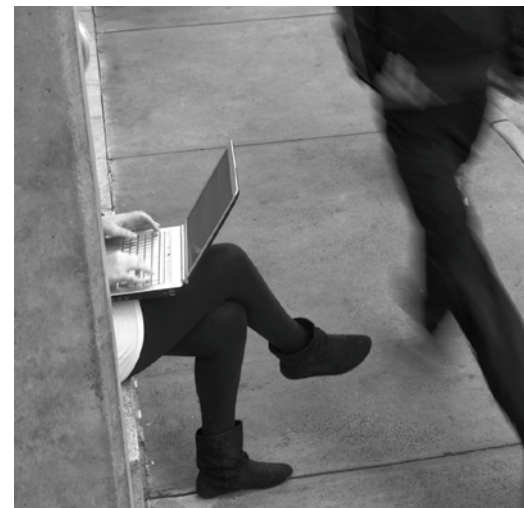
- demonstrate an understanding of the current laws related to evidence collection and presentation
- develop and evaluate strategies for continuity
- discuss legal requirements for continuity
- maintain continuity
- demonstrate an understanding of administrative and best practices to produce and provide 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.

HIT6633 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

Facilities

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.

Fees

In 2012, tuition fees for Australian citizens and permanent residents are based on \$2400 per 12.5 credit point unit of study, totalling an overall program fee of \$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, go to www.swinburne.edu.au/studentoperations/fees

FEE-HELP

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

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

For further information visit www.goingtouni.gov.au

Application procedure

You may lodge your application at any time; however, each of the intake periods has an application submission closing date. Application forms can be obtained by calling 1300 275 794 or visiting www.swinburne.edu.au/postgrad/apply

Applications must be accompanied by a certified copy of your passport or birth certificate, original transcripts of official results and a curriculum vitae.

For the next round of closing dates visit www.swinburne.edu.au/postgrad

Application closing dates

Semester 1

Applications close 4 February 2012

Semester 2

Applications close July 2012

Please note these dates were correct at the time of printing but are subject to change. Visit www.swinburne.edu.au/postgrad for current semester dates.

International students

This program is currently available to local students only.

If you want to study at Swinburne, but are not an Australian resident, contact Swinburne International:

1800 897 973 (within Australia)
+61 3 8676 7002 (outside Australia)
international@swinburne.edu.au
www.swinburne.edu.au/international

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.

Further information

Telephone: 1300 275 794

Email: postgrad@swinburne.edu.au

Website: www.swinburne.edu.au/postgrad

Information sessions

Information sessions are held regularly throughout the year. They are a great opportunity to meet and talk to staff about your postgraduate study options.

The sessions help you understand what your chosen postgraduate program entails – what you can learn and what your study options are and where your qualification may take you.

For session dates visit www.swinburne.edu.au/postgrad



■ 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, September 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.swinburne.edu.au/international

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