

# STUDY ABROAD: COMPUTER SCIENCE

Spend a semester studying abroad and achieve a **Study Abroad Certificate of Specialisation** in Computer Science by completing two units from the approved list.

## About Swinburne

Swinburne is a world-class, multidisciplinary institution leading the way in science, technology, business, design and innovation.

An internationally recognised research-intensive university, Swinburne's rankings – top 50 universities in the world under 50 years old by the 2019 QS World University Rankings – prove the success of the University's focus on and investment in high-quality teaching and research.

## Study in Melbourne, Australia

Swinburne is located in Melbourne, Australia, which has consistently ranked as one of the most liveable cities in the world by the Economist Intelligence Unit (EIU). Melbourne's vibrant lifestyle includes Australia's best shopping, leisure and sporting events, and a renowned arts scene. Its vast multicultural community, combined with its commitment to quality education, makes Melbourne one of the world's most dynamic cities.

Swinburne's main campus is based in Hawthorn, a suburb located only 10 minutes away from Melbourne's CBD by train. The campus is located in a vibrant shopping hub that offers students a large variety of cafes, restaurants, shops and supermarkets, as well as parks and a movie theatre right across the road from campus.

## Study Abroad

Study Abroad is a unique opportunity to travel and experience life in Melbourne. You get to live as the locals do, expand your horizons and make treasured life-long memories, while continuing your academic progress.

At Swinburne, undergraduate and postgraduate students are allowed to choose subjects from any faculty. You can choose to study for one or two semesters, beginning in either Semester 1 (February - June) or Semester 2 (July to November).

Australian student visa regulations require international students to study full-time. This means that you must undertake either three or four units per semester.

At the end of your program, you will receive a Swinburne academic transcript and will be able to request credit transfer to your home institution.

## Academic Semesters

### Semester 1

25 February to 23 June, 2019

### Semester 2

29 July to 24 November, 2019

## English Entry Requirements

Applicants from non-English speaking backgrounds may be required to provide evidence of English language proficiency. This may include one of:

- IELTS: 6.0 overall (no band score below 5.5)
- Internet-based TOEFL: 75 (no band score below 17).



# CERTIFICATE OF SPECIALISATION

## COMPUTER SCIENCE

In order to receive a Study Abroad Certificate of Specialisation, you must complete at least two units of study from the list below.

In addition to this list, there is an exciting range of units that you can enrol in alongside your certificate. For a full list of Study Abroad units, please visit:

[www.swinburne.edu.au/current-students/study-abroad-exchange/melbourne/how-to-apply/](http://www.swinburne.edu.au/current-students/study-abroad-exchange/melbourne/how-to-apply/)

You also have the option of completing a dual certificate by choosing two other units under another specialisation.

### Undergraduate

#### SEMESTER 1 (Feb-Jun)

COS20012	Data Communications and Security
COS20019	Cloud Computing Architecture
COS30019	Introduction to Artificial Intelligence
COS30020	Web Application Development
COS30045	Data Visualisation

#### SEMESTER 2 (Jul-Nov)

COS20012	Data Communications and Security
COS30020	Web Application Development
COS20016	Operating System Configuration
COS30015	IT Security
COS30017	Software Development for Mobile Devices
COS30018	Intelligent Systems

### Postgraduate

#### SEMESTER 1 (Feb-Jun)

COS70006	Object-Oriented Programming
COS80002	Human-Computer Interaction
COS80010	Software Testing Processes & Automation
COS80020	Creating Data Driven Mobile Applications

#### SEMESTER 2 (Jul-Nov)

COS70007	Data Communications and Security
COS80001	Software Development for Cloud Computing
COS80013	Internet Security
COS80019	Software Development for Mobile Devices

^This is a non-award certificate. The subjects listed above are subject to Faculty approval and prerequisites may be required.

Swinburne's *Study Abroad Certificate of Specialisation in Computer Science* allows you to develop expertise in software development and computer science. The units that you can choose involve contemporary approaches to the analysis, design and implementation of large-scale operating systems, paying particular attention to the human factors involved in the development, deployment and use of computer-based systems.



## GET IN TOUGH

For more information please contact the Study Abroad team:

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