

STUDY ABROAD: ELECTRICAL AND ELECTRONIC ENGINEERING

Spend a semester studying abroad and achieve a **Study Abroad Certificate of Specialisation** in Electrical and Electronic Engineering 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 2021 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

27 February to 12 June, 2023

Semester 2

31 July to 13 November, 2023

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

ELECTRICAL AND ELECTRONIC ENGINEERING

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/

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

Undergraduate

SEMESTER 1 (Feb-Jun)

EEE20001	Digital Electronics Design
EEE20002	Circuits and Systems
EEE20006	Circuits & Electronics 1
EEE40007	Power System Operation and Control
EEE40014	Hardware-Software Codesign

SEMESTER 2 (Jul-Nov)

EEE20003	Embedded Microcontrollers
EEE20004	Analogue Electronics 1
EEE30004	Digital Signal Processing
EEE30005	Electrical Integrated Design Project
EEE40013	Computer Architecture

Postgraduate

SEMESTER 1 (Feb-Jun)

EEE80002	HDL and High Level Synthesis
EEE80006	Linear Systems
EEE80015	Renewable Energy

SEMESTER 2 (Jul-Nov)

EEE80003	VLSI Digital Signal Processing Systems
EEE80008	Coding and Compression Algorithms
EEE80020	Design of Smart Power Grids

^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 Electrical and Electronic Engineering* allows you to gain technical expertise in power system design, electronics, control systems, signal processing and embedded systems. Learn how to apply skills and knowledge in the design, construction, operation and maintenance of electronics and electrical energy infrastructure.



GET IN TOUCH

For more information please contact the Study Abroad team:

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swinburne.edu.au/studyabroad