

# STUDY ABROAD: TELECOMMUNICATIONS ENGINEERING

Spend a semester studying abroad and achieve a **Study Abroad Certificate of Specialisation** in Telecommunications 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

## TELECOMMUNICATIONS 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/](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)

TNE10006	Networks and Switching
TNE20002	Network Routing Principles
TNE30009	Network Security and Resilience
TNE30019	Unix for Telecommunications
TNE40001	Broadband Multimedia Networks

#### SEMESTER 2 (Jul-Nov)

TNE10005	Network Administration
TNE30012	Secure Remote Access Networks
TNE30018	Enterprise Network Server Administration
TNE30022	Design and Management of Networks
TNE30023	Advanced Switching
TNE40003	Wireless Communications

### Postgraduate

#### SEMESTER 1 (Feb-Jun)

TNE60005	Wireless Communication Techniques
TNE80006	Secure Networks
TNE80013	Troubleshooting IP Networks
TNE80015	Internet for Things (I4T)

#### SEMESTER 2 (Jul-Nov)

TNE60003	Introduction to Network Programming
TNE80008	Advanced Routing
TNE80010	Advanced Switching
TNE80011	Secure Remote Access Networks

^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 Telecommunications Engineering* allows you to gain an in-depth understanding of the technology of the internet and the international telecommunications industry. Learn about mobile communication systems for tomorrow's broadband-interactive information highways, and develop skills in RF telecommunications, with specialisation in wireless secure communications, digital and analogue electronics, software programming and mathematics.



## 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)