

# Engineering & Computer Science

- Aerospace
- Biomedical
- Chemical
- Civil
- Computer Engineering
- Computer Science
- Construction
- Electrical
- Electronics
- Environmental
- Industrial
- Information Technology
- Materials
- Mechanical
- Robotics and Mechatronics
- Software
- Systems

## Want to stand out in your field?

Only around 5% of engineering majors and 3% of computer science majors pursue a study abroad experience, according to a 2020 report. Learning to collaborate in multicultural contexts is crucial for today's engineering and computer science graduates. Study abroad exposes you to people from different cultural backgrounds, helping you become more tolerant of ambiguity, respectful of difference, and able to recognize and find common ground. An international experience will also allow you to gain experience in problem solving. Living and studying in an unfamiliar environment will present challenges and you will gain confidence as you learn to solve them.

As you explore your study abroad options, you may want to consider whether your home institution requires you to study at an institution accredited by a signatory of the [Washington Accord](#).

Are you looking for specific courses? Reach out to us and we can help you find the program that meets your academic goals and course needs.

### Get hands-on experience abroad

An international internship through TEAN can help you stand out in the increasingly competitive job market. Available for a variety of majors, we offer full-time internships (in-person or online!) or add a part-time internship alongside your courses.

Discover internship opportunities available by visiting [teanabroad.org/internships](https://teanabroad.org/internships).

#### COURSES IN ENGLISH UNLESS OTHERWISE NOTED

The following list and chart represents only a sampling of available TEAN programs. To get more information on the programs shown, as well as information on all other program options, go to [teanabroad.org/program-finder](https://teanabroad.org/program-finder).

# Engineering & Computer Science

## Featured Programs

### AUSTRALIA

#### Brisbane

##### Queensland University of Technology (QUT)

- QUT has a practical approach to engineering and computer science instruction, giving students a hands-on learning experience with real-world applications
- The Cube (in QUT's Science and Engineering Centre) is an accessible, public space with one of the world's largest digital interactive displays, showcasing scientific and technological research
- Engineering degrees at QUT are accredited by Engineers Australia, a signatory (along with ABET) of the Washington Accord
- Engineering courses at QUT require background knowledge in the subject area

- Semester program
- Courses with local degree-seeking students
- **Sample Courses:** Geotechnical Engineering • Introduction to Robotics • Enterprise Systems and Applications

#### Melbourne

- RMIT is one of the top universities in the world for civil and structural engineering
- RMIT focuses on industry-based practical learning that is aligned with the needs of the workplace
- Engineering degrees at RMIT University are accredited by Engineers Australia, a signatory (along with ABET) of the Washington Accord
- Engineering courses at RMIT require background knowledge in the subject area

- Semester program
- Courses with local degree-seeking students
- **Sample Courses:** Engineering Computer Graphics • Renewable Energy Systems • Electronic Circuits

#### Perth

##### University of Western Australia (UWA)

- Engineering courses at UWA were designed in collaboration with industry stakeholders
- UWA's EZONE is a space designed for innovation and technological interactions for collaborative learning
- Engineering degrees at UWA are accredited by Engineers Australia, a signatory (along with ABET) of the Washington Accord
- Engineering courses at UWA require background knowledge in the subject area

- Semester program
- Courses with local degree-seeking students
- **Sample Courses:** Civil Hydraulics • Data Structures and Algorithms • Mineral Resources

## Sydney

### University of New South Wales (UNSW)

- UNSW's Faculty of Engineering and Technology is ranked #1 in Australia and is the largest Faculty of Engineering in the country
- Engineering degrees at UNSW are accredited by Engineers Australia, a signatory (along with ABET) of the Washington Accord
- Dates align with US academic calendar
- Engineering courses at UNSW require background knowledge in the subject area

- Semester and summer program options - both full semester-length options
- Courses with local degree-seeking students
- **Sample Courses:** Digital Signal Processing • Computer Architecture • Concrete Structures

### University of Sydney

- The University of Sydney is a world-leader in robotics and artificial intelligence
- The Faculty of Engineering at the University of Sydney is forward-thinking, focusing on engineering for a digital future
- Engineering degrees at the University of Sydney are accredited by Engineers Australia, a signatory (along with ABET) of the Washington Accord
- Engineering courses at the University of Sydney require background knowledge in the subject area

- Semester program
- Courses with local degree-seeking students
- **Sample Courses:** Biochemical Engineering • Internet Software Platforms • Fluid Mechanics

### University of Technology, Sydney (UTS)

- UTS is known for its focus on innovation and creativity, with a vision of being a world-leading university of technology
- Courses at UTS have a focus on practice-based learning and industry engagement
- Engineering degrees at UTS are accredited by Engineers Australia, a signatory (along with ABET) of the Washington Accord
- Engineering courses at UTS require background knowledge in the subject area

- Semester program
- Courses with local degree-seeking students
- **Sample Courses:** Network Fundamentals • Road and Transport Engineering • Heat Transfer

## NEW ZEALAND

### Auckland

#### University of Auckland

- Courses in engineering and computing are taught with a blend of theory and practice, giving students the ability to apply theoretical knowledge to real-world situations and problems
- Computer Science courses focus on innovation and up-to-date research in the field
- Engineering degrees at the University of Auckland are accredited by Engineering New Zealand, a signatory (along with ABET) of the Washington Accord
- Engineering courses at the University of Auckland require background knowledge in the subject area

### *University of Auckland continued*

- Semester program
- Courses with local degree-seeking students
- **Sample Courses:** Object Oriented Software Development • Systems and Control • Thermal Engineering

### Christchurch

#### University of Canterbury (UC)

- UC Engineering facilities have been renovated or rebuilt with state-of-the-art laboratories to foster hands-on learning
- Service-learning and internship opportunities available
- Engineering degrees at the University of Canterbury are accredited by Engineering New Zealand, a signatory (along with ABET) of the Washington Accord
- Engineering courses at the University of Canterbury require background knowledge in the subject area

- Semester program
- Courses with local degree-seeking students
- **Sample Courses:** Dynamics and Vibrations • Digital Electronics and Devices • Sustainable Engineering for a Changing Climate

## SOUTH KOREA

### Seoul

#### Hanyang University

- Hanyang University is known for its innovative approach, state-of-the-art labs, and commitment to developing inventive and entrepreneurial graduates
- Engineering degrees at Hanyang University are accredited by the Accreditation Board for Engineering Education of Korea (ABEEK), a signatory (along with ABET) of the Washington Accord
- Courses are in English

- Semester, summer, and winter (J-term) programs
- Semester courses are with local degree-seeking students; summer and winter courses are with other visiting international students
- Veritas Christian Study Abroad available
- **Sample Courses:** Hydraulics and Lab • Engineering Mathematics • Heat Transfer

#### Korea University (KU)

- KU's buddy system pairs study abroad students with a Korean student during the semester program for an immersive experience
- Engineering degrees at Korea University are accredited by the Accreditation Board for Engineering Education of Korea (ABEEK), a signatory (along with ABET) of the Washington Accord
- Courses are in English

- Semester, summer, and winter (J-term) programs available
- Semester courses are with local degree-seeking students; summer and winter courses are with other visiting international students
- Veritas Christian Study Abroad available
- **Sample Courses:** Power Electronics • Thermodynamics of Materials • Fluid Mechanics and Lab

# Find Your Program

Term	Country	City	Program
Semester	Australia	Brisbane	Griffith University *
Semester	Australia	Brisbane	Queensland University of Technology *
Semester	Australia	Brisbane	University of Queensland *
Semester	Australia	Gold Coast	Bond University
Semester	Australia	Gold Coast	Griffith University *
Semester	Australia	Melbourne	Deakin University *
Semester	Australia	Melbourne	La Trobe University *
Semester	Australia	Melbourne	Monash University *
Semester	Australia	Melbourne	RMIT University *
Semester	Australia	Melbourne	University of Melbourne *
Semester	Australia	Newcastle	University of Newcastle *
Semester	Australia	Perth	Murdoch University *
Semester	Australia	Perth	University of Western Australia *
Semester	Australia	Sydney	Macquarie University *
Semester	Australia	Sydney	University of New South Wales *
Semester	Australia	Sydney	University of Sydney *
Semester	Australia	Sydney	University of Technology, Sydney *
Semester	Australia	Townsville	James Cook University *
Semester	Australia	Wollongong	University of Wollongong *
Semester	Fiji	Suva	University of South Pacific *
Semester	New Zealand	Auckland	AUT University *
Semester	New Zealand	Auckland	University of Auckland *
Semester	New Zealand	Christchurch	University of Canterbury *
Semester	New Zealand	Dunedin	University of Otago
Semester	New Zealand	Hamilton	University of Waikato *
Semester	New Zealand	Palmerston North	Massey University - Palmerston North *
Semester	New Zealand	Wellington	Victoria University of Wellington *
Semester	Singapore	Singapore	Singapore Management University
Semester	South Korea	Seoul	Hanyang University *
Semester	South Korea	Seoul	Korea University *

Aerospace	Biomedical	Chemical	Civil	Computer Engineering	Computer Science	Construction	Electrical	Electronics	Environmental	Industrial	Information Technology	Materials	Mechanical	Robotics and Mechatronics	Software	Systems	Veritas Christian Study Abroad
			X				X	X	X		X		X	X	X		
X	X	X	X	X	X	X	X				X		X	X	X		
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						X											
			X		X	X	X	X			X		X		X		
			X		X	X	X	X	X		X		X	X	X		
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	X		X	X	X	X	X		X		X	X	X	X			
		X	X	X	X		X	X	X				X	X	X		
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	X	X	X		X		X	X	X		X	X	X	X	X		X
	X	X	X		X	X	X		X		X	X	X				X

\* = ACCREDITED BY SIGNATORY OF THE WASHINGTON ACCORD

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