

# 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?

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? Visit [teanabroad.org/course-finder](http://teanabroad.org/course-finder) 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](http://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](http://teanabroad.org/program-finder).

# Engineering & Computer Science

## Featured Programs

### AUSTRALIA

#### Brisbane

[Queensland University of Technology \(QUT\)](#)

- 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 • User Experience Fundamentals

#### Melbourne

[RMIT University](#)

- RMIT is one of the top universities in the world for civil and structural engineering
- 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 • Games and AI Techniques

#### Newcastle

[The University of Newcastle](#)

- The University of Newcastle is a global leader in Engineering Education and is recognized for the quality of its student support in undergraduate engineering
- Engineering degrees at the University of Newcastle are accredited by Engineers Australia, a signatory (along with ABET) of the Washington Accord
- Engineering courses at UN require background knowledge in the subject area

- Semester programs
- Courses with local degree-seeking students
- **Sample Courses:** Resource and Energy Optimisation • Data Mining • Dynamics of Machines

## 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 program
- 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
- 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 and summer programs
- Courses with local degree-seeking students
- **Sample Courses:** Biochemical Engineering • Internet Software Platforms • Fluid Mechanics

### University of Technology, Sydney (UTS)

- 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 and Mass 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
- 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

- Semester program
- Courses with local degree-seeking students
- **Sample Courses:** Object Oriented Software Development • Instrumentation and Design • 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 • Systems 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                               | 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 |
|----------|-------------|--------------|---------------------------------------|-----------|------------|----------|-------|----------------------|------------------|--------------|------------|-------------|---------------|------------|------------------------|-----------|------------|---------------------------|----------|---------|--------------------------------|
| Semester | Australia   | Brisbane     | Queensland University of Technology * | X         | X          | X        | X     | X                    | X                | X            | X          |             |               |            | X                      |           | X          | X                         | X        |         |                                |
| Semester | Australia   | Brisbane     | University of Queensland *            | X         | X          | X        | X     | X                    | X                |              | X          |             | X             |            | X                      | X         | X          | X                         | X        |         |                                |
| Semester | Australia   | Gold Coast   | Griffith University *                 |           |            |          | X     |                      | X                | X            | X          | X           |               |            | X                      |           | X          | X                         | X        |         |                                |
| Semester | Australia   | Melbourne    | Monash University *                   | X         | X          | X        | X     | X                    | X                |              | X          |             | X             |            |                        | X         | X          | X                         | X        | X       |                                |
| Semester | Australia   | Melbourne    | RMIT University *                     | X         | X          |          | X     | X                    | X                |              | X          | X           | X             |            | X                      |           | X          | X                         | X        | X       |                                |
| Semester | Australia   | Melbourne    | University of Melbourne *             |           | X          | X        | X     |                      | X                |              | X          | X           | X             |            | X                      |           | X          | X                         | X        | X       |                                |
| Semester | Australia   | Newcastle    | University of Newcastle *             | X         |            | X        | X     |                      | X                | X            | X          |             |               |            | X                      | X         | X          | X                         | X        |         |                                |
| Semester | Australia   | Perth        | Murdoch University *                  |           |            |          |       |                      | X                |              | X          |             | X             | X          |                        |           |            |                           |          |         |                                |
| Semester | Australia   | Perth        | University of Western Australia *     |           | X          | X        | X     | X                    | X                |              | X          | X           | X             |            |                        | X         | X          | X                         | X        |         |                                |
| Semester | Australia   | Sydney       | Macquarie University *                |           |            |          | X     |                      | X                |              | X          | X           |               |            | X                      |           | X          | X                         | X        |         |                                |
| Semester | Australia   | Sydney       | University of New South Wales *       | X         |            | X        | X     | X                    | X                | X            | X          |             | X             |            | X                      |           | X          | X                         | X        |         |                                |
| Semester | Australia   | Sydney       | University of Sydney *                | X         | X          | X        | X     | X                    | X                | X            | X          | X           | X             |            | X                      | X         | X          | X                         | X        |         |                                |
| Semester | Australia   | Sydney       | University of Technology, Sydney *    |           |            |          | X     | X                    |                  |              | X          | X           | X             |            | X                      |           | X          | X                         | X        |         |                                |
| Semester | Australia   | Townsville   | James Cook University *               |           |            | X        | X     |                      |                  |              | X          | X           |               |            | X                      | X         | X          |                           | X        |         |                                |
| Semester | Fiji        | Suva         | University of South Pacific *         |           |            |          | X     |                      | X                |              | X          | X           |               |            | X                      |           | X          |                           |          |         |                                |
| Semester | New Zealand | Auckland     | AUT University *                      |           |            |          |       |                      | X                |              | X          |             |               |            | X                      |           | X          |                           | X        |         |                                |
| Semester | New Zealand | Auckland     | University of Auckland *              |           | X          | X        | X     | X                    | X                |              | X          |             | X             |            | X                      | X         | X          | X                         | X        |         |                                |
| Semester | New Zealand | Christchurch | University of Canterbury *            |           |            | X        | X     | X                    | X                |              | X          | X           |               |            | X                      |           | X          | X                         | X        |         |                                |
| Semester | New Zealand | Dunedin      | University of Otago                   |           |            |          |       |                      | X                |              |            |             |               |            |                        |           |            |                           | X        |         | X                              |
| Semester | New Zealand | Wellington   | Victoria University of Wellington *   |           |            |          |       | X                    | X                |              | X          | X           |               |            | X                      |           |            |                           | X        |         |                                |
| Semester | Singapore   | Singapore    | Singapore Management University       |           |            |          |       |                      | X                |              |            |             |               |            | X                      |           |            |                           | X        |         |                                |
| Semester | South Korea | Seoul        | Hanyang University *                  |           | X          | X        | X     | X                    | X                |              | X          |             | X             | X          | X                      | X         | X          |                           | X        |         | X                              |
| Semester | South Korea | Seoul        | Korea University *                    |           | X          | X        | X     | X                    | X                |              | X          |             | X             | X          |                        | X         | X          |                           |          |         | X                              |
| Semester | South Korea | Seoul        | Sogang University                     |           |            |          |       |                      |                  |              |            |             | X             | X          |                        | X         | X          |                           |          |         |                                |
| Semester | South Korea | Seoul        | Yonsei University                     |           | X          |          | X     |                      |                  |              | X          |             | X             | X          |                        | X         |            |                           |          |         |                                |
| Semester | Thailand    | Bangkok      | Mahidol University                    |           |            |          |       | X                    | X                |              |            |             |               |            | X                      |           |            |                           |          |         |                                |
| Summer   | Singapore   | Singapore    | Summer in Singapore                   |           |            |          |       |                      | X                |              |            |             |               |            |                        |           |            |                           |          |         |                                |
| Summer   | South Korea | Seoul        | Hanyang University Summer Program *   |           |            |          |       | X                    | X                |              |            |             |               |            |                        |           | X          |                           |          |         | X                              |
| Summer   | South Korea | Seoul        | Korea University Summer Program*      |           |            |          |       |                      | X                |              |            |             |               |            |                        |           |            |                           |          |         | X                              |
| Summer   | South Korea | Seoul        | Sogang University Summer Program*     |           |            |          |       |                      | X                |              |            |             |               |            |                        |           |            |                           |          |         |                                |
| Summer   | South Korea | Seoul        | Yonsei University Summer Program*     |           |            |          |       |                      | X                |              |            |             |               |            |                        |           |            |                           |          |         |                                |
| Winter   | South Korea | Seoul        | Hanyang University Winter Program*    |           |            |          |       |                      |                  |              |            |             |               |            |                        |           | X          |                           |          |         |                                |
| Winter   | South Korea | Seoul        | Korea University Winter Program*      |           |            |          |       |                      | X                |              |            |             |               |            |                        |           |            |                           |          |         |                                |

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