

# Engineering & Computer Science



Aerospace

Biological Systems

Biomedical

Chemical

Civil

Computer Engineering

Computer Science

Electrical

Electronics

Engineering Science & Math

Environmental

Industrial

Information Technology

Materials

Mechanical

Systems

## Engineering and computing are global—are you ready to collaborate in multi-cultural contexts?

Exposure to different people, places, and cultures will help you become more comfortable with ambiguity and receptive to new experiences and information. While ISA has programs with robust engineering and computing course offerings from schools accredited by signatories of the [Washington Accord](#), study abroad also gives you an opportunity to explore new course options.

If you need help finding specific courses that you need to take abroad, visit [studiesabroad.com/course-finder](https://studiesabroad.com/course-finder) and our expert advisors will be in touch with you with some program options!



### GET HANDS-ON EXPERIENCE ABROAD

An international internship through ISA 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 [studiesabroad.com/internships](https://studiesabroad.com/internships).

#### COURSES IN ENGLISH UNLESS OTHERWISE NOTED

The following list and chart represent only a sampling of available ISA programs. To get more information on the programs shown, as well as information on all other program options, go to [studiesabroad.com](https://studiesabroad.com).

# Engineering & Computer Science

## FEATURED PROGRAMS

### CHILE

#### Valparaíso & Viña del Mar

##### [Universidad Adolfo Ibáñez](#)

- Industrial Engineering programs at the Universidad Adolfo Ibáñez have been accredited by the Engineering Accreditation Commission of ABET
- Engineering courses available in English during the summer program
- Students enrolled in the summer program can also enroll in a Spanish language course

- Semester and Summer programs
- Service-Learning and Veritas Christian Study Abroad available
- **Sample Courses:** Thermodynamics • Electromagnetism • Rock Mechanics

### COLOMBIA

#### Barranquilla

##### [Universidad del Norte](#)

- The Civil, Electrical, Electronics, Industrial, Mechanical and Systems Engineering programs at the Universidad del Norte have been accredited by the Engineering Accreditation Commission of ABET
- A mentored research project is available, allowing students to conduct research overseen by a faculty member
- Engineering courses available in English

- Semester and Summer programs
- **Sample Courses:** Material Science • Statics • Circuit Analysis 1

### ENGLAND

#### London

##### [Queen Mary, University of London \(QMUL\)](#)

- Queen Mary is a part of the prestigious Russell Group which makes it a fantastic option if you are looking for a rigorous academic experience
- QMUL's School of Engineering and Materials Science placed #7 for general engineering research in the most recent national assessment of the quality of university research (Times Higher Education)
- Computer Science at QMUL is ranked 100th in the world
- Engineering programs at QMUL are accredited by the Engineering Council, a signatory (along with ABET) of the Washington Accord

- Semester and summer programs
- **Sample Courses:** Algorithms and Data Structures • Solid Mechanics • Heat Transfer and Fluid Mechanics 1

## IRELAND

### Dublin

#### University College Dublin (UCD)

- UCD's College of Engineering and Architecture is the largest and most comprehensive in all of Ireland
  - Unique courses include UCD's Introduction to Scientific Research course and Service-Learning course
  - UCD's engineering programs are accredited by Engineers Ireland, a signatory (along with ABET) of the Washington Accord
- Semester program
  - **Sample Courses:** Bioprocess Engineering Principles • Environmental Engineering • Soil Mechanics 1

### Galway

#### National University of Ireland, Galway (NUI)

- NUI Galway's engineering programs are accredited by Engineers Ireland, a signatory (along with ABET) of the Washington Accord
  - NUI Galway's engineering programs are in the top 1% of universities in the world in the QS University Rankings
- Semester and Summer programs available (engineering and computing courses only offered during the semester)
  - ISA Service-Learning available
  - **Sample Courses:** Strength of Materials • Object Oriented Programming: Data Structures and Algorithms • Fluid Dynamics

## SCOTLAND

### Glasgow

#### University of Glasgow

- The University of Glasgow is ranked amongst the top 100 universities in the world
  - The James Watt School of Engineering at the University of Glasgow is the oldest School of Engineering in the U.K.
  - In recognition of their commitment to innovation in educational practice, the School of Computing Science launched the Centre for Computing Science Education in 2017
- Semester program, plus Summer program in physics with a track for engineering
  - **Sample Courses:** Systems Programming • Biological Fluid Mechanics 3 • Soil Mechanics 2

## SPAIN

### Madrid

#### Universidad Carlos III de Madrid (UC3M)

- Multiple engineering departments at UC3M have been awarded the EUR-ACE label, as they satisfy the standards of the European Network for Engineering Accreditation
  - One of UC3M's unique offerings is a program in Data Science and Engineering
  - Courses in English with local (Spanish) students
- Semester program
  - **Sample Courses:** Biological Systems • Computer Architecture • Power Plants and Heat Engines

### Valencia

#### Universitat Politècnica de València (UPV)

- The Agricultural, Civil, Industrial, and Telecommunication Engineering programs at the Universitat Politècnica de València have been accredited by the Engineering Accreditation Commission of ABET
  - The UPV is ranked 10th in Spain in the 2014 Webometrics Ranking Web of Universities
- Semester program
  - **Sample Courses:** Dynamics • Elements of Material Science • Engineering Thermodynamics I

## SOUTH AFRICA

### Cape Town

#### University of Cape Town

- Known as the "Harvard of Africa," the University of Cape Town (UCT) is South Africa's oldest university and one of the continent's leading teaching and research institutions
- Semester program
  - Service-Learning and Veritas Christian Study Abroad available
  - **Sample Courses:** Bioprocess Engineering • Basic Electrical Engineering I • Mechanical Behavior of Materials

## FIND YOUR PROGRAM

Country	City	Host Institution	Aerospace	Biological Systems	Biomedical
Chile	Valparaíso & Viña del Mar	Universidad Adolfo Ibáñez		X	
Colombia	Barranquilla	Universidad del Norte			X
Colombia	Medellín	Universidad EAFIT			
Costa Rica	San José	Universidad Veritas			
England	London	Kingston University			
England	London	Queen Mary, University of London	X		
England	London	University of Westminster			
England	Reading	University of Reading			
France	Lille	Université Catholique de Lille			
Ireland	Dublin	Maynooth University			
Ireland	Dublin	Trinity College Dublin			X
Ireland	Dublin	University College Dublin	X	X	X
Ireland	Galway	National University of Ireland, Galway			X
Ireland	Limerick	University of Limerick	X		
Scotland	Glasgow	University of Glasgow	X		X
Scotland	Stirling	University of Stirling			
South Africa	Cape Town	University of Cape Town			
South Africa	Port Elizabeth	Nelson Mandela University			
Spain	Bilbao	Universidad de Deusto			
Spain	Madrid	Universidad Antonio de Nebrija			
Spain	Madrid	Universidad Carlos III de Madrid	X	X	X
Spain	Valencia	Universidad Católica de Valencia			X
Spain	Valencia	Universidad Politécnica de Valencia			X
The Netherlands	Amsterdam	Vrije Universiteit Amsterdam			

Chemical	Civil	Computer Engineering	Computer Science	Electrical	Electronics	Engineering Science & Math	Environmental	Industrial	Information Technology	Materials	Mechanical	Systems	Service-Learning	Veritas Christian Study Abroad
X	X			X		X	X				X		X	X
	X	X		X	X	X	X	X	X	X	X	X		
											X			
			X						X				X	X
	X	X	X			X			X		X			
		X	X		X	X			X	X	X	X		
			X						X					
			X			X			X					
							X							
		X	X	X	X	X			X					
X	X		X	X	X	X	X	X	X	X	X	X		
	X		X	X				X	X		X		X	
	X	X	X		X	X				X	X		X	
			X					X	X		X			
			X	X		X					X			
X		X	X	X	X	X	X	X	X	X	X	X		
X						X					X			
		X	X								X			

NOTE: COURSE AVAILABILITIES NOTED ABOVE ARE PRIMARILY IN ENGLISH. MORE COURSES IN THE LOCAL LANGUAGE MAY BE AVAILABLE



## *THE WORLD AWAITS*

If you're interested in studying abroad in Asia Pacific, check out the offerings from our sister company, TEAN, at [teanabroad.org](http://teanabroad.org).

Visit [studiesabroad.com](http://studiesabroad.com) for information about additional locations and programs or to start your application.

512-480-8522 [isa@studiesabroad.com](mailto:isa@studiesabroad.com)  
**studiesabroad.com**