Our programs prepare students for the careers of tomorrow. Focused on innovation, they’re designed to develop creative thinkers with the skills, knowledge and motivation to make a real difference in the world.

In information technology, dynamic change is taking place in areas such as big data, mobile computing, multi-agent systems and data mining. In engineering, sustainable energy systems, climate change and advanced electronics are all areas that call for forward thinkers who can solve problems and find solutions.

Our programs are globally recognised. They are international degrees that carry great weight in the eyes of employers. They also have full accreditation from professional industry bodies in Australia.

In 2020, we’re introducing a common first year for engineering students. This provides them a better chance to develop their passion for the field and gives them time to determine which specialisation they wish to pursue.

If you’re dreaming of a career in information technology or engineering, RMIT is the place where you can make that dream a reality.
A quality education
RMIT is a global university of technology, design and enterprise. One of Australia’s original tertiary institutions, RMIT University enjoys an international reputation for excellence in professional and vocational education, applied research and engagement with the needs of industry and the community.

Founded in 2000, RMIT Vietnam brings a world-class education and a globalised study environment to one of the fastest-growing regions in Asia. We offer programs in business and management, science and technology, communication and design, and English.

The Bachelor of Information Technology is professionally accredited by the Australian Computer Society.

Two of our engineering programs have been accredited by Engineers Australia, which provides international professional recognition as a signatory to the Washington Accord.

RMIT has a 5-STAR RANKING for excellence in higher education*

TOP 1% for excellence in higher education*

Among the world’s TOP 100 UNIVERSITIES in Electrical and Electronic Engineering**

RMIT is among the world’s TOP 150 UNIVERSITIES in Computer Science and Information Systems**

RMIT alumni are making their mark around the world.

When you graduate, you will join a large network of alumni that provides ongoing peer support, professional development and networking opportunities. Members of the alumni community also actively help current students, providing industry connections, job opportunities and mentoring.

RMIT alumni working in 130 countries

400,000 RMIT alumni working in 130 countries

14,300 RMIT alumni in Vietnam

*2019 QS World University Rankings
**2019 QS World University Rankings by Subject

Since university, my journey has been full of surprises and challenges. It has been a journey of discovering more about myself. On my pathway to becoming a data engineer at Deliveree, I was a web developer and a product manager. My current role is my true calling. Studying at RMIT helped to expand my network. But the most important thing I gained was the fundamental knowledge to help me continue learning about other advanced topics well after graduation.

Mai Nguyen
Alumnus, Bachelor of Information Technology
Data Engineer, Deliveree
International learning

The international learning environment at RMIT will help you reach your full potential. Our inspiring and highly-qualified academics come from across the globe and teach in English. They bring to the classroom industry-relevant expertise, plus extensive teaching and researching experience.

The authentic approach to learning is what sets RMIT apart from other universities. It is exemplified by:

- **Work Integrated Learning (WIL) activities**, which will allow you to apply academic learning in ‘real-life’ situations with an industry partner or community partner organisation;
- **authentic assessments**, such as individual and group activities resembling the daily experiences faced by industry, instead of paper-based exams.

50+ nationalities are represented among our students at RMIT in Vietnam

Meet our lecturers at the School of Science & Technology: http://bit.ly/SSTstaffprofiles
Elite facilities

Our campuses offer modern classrooms, purpose-built lecture theatres, studios, laboratories and other specialist spaces, providing the perfect setting for you to thrive.

Staying fit while studying is also made easier through access to modern sport and recreational facilities.

- At our Saigon South campus, such facilities include a fitness centre, indoor courts, dedicated tennis and basketball courts, and football fields.
- At our Hanoi City campus, students have access to a fitness centre with the latest training equipment.

RMIT University offers the largest English-language library in Vietnam. Plus, you can access our extensive online library resources.

550,000+ books, periodicals, e-books, journals and videos.
A transformative experience
Vibrant student life

Our campuses embrace diversity and inclusiveness, and provide endless opportunities to network and make new friends.

- Choose from 40 student clubs across a range of academic, arts, cultural, sports and social interests.
- Get involved in fun activities and events, such as club days, our International Festival, which celebrates international diversity, and leadership camps.


You will have access to comprehensive learning support services.

- Get one-to-one learning and language support.
- Benefit from peer-to-peer study advice and group study sessions.
- Attend workshops to develop your academic skills.

For students with disabilities and learning difficulties, dedicated support services aim to provide equal access and opportunity.
Global experiences

Take advantage of the many opportunities we offer to combine your studies with being able to explore the world.

Through our Global Mobility program, you can choose from more than **200 partner universities** to go on exchange for one or two semesters.

Popular destinations for students from the School of Science & Technology include the following highly-ranked universities:
- Technical University of Munich, Germany
- Lund University, Sweden
- Technical University of Denmark
- Korea Advanced Institute of Science & Technology, South Korea
- Nanyang Technological University, Singapore
- University of Maryland-College Park, United States
- UNITEC Institute of Technology, New Zealand

Get a taste for life in Australia through the cross-campus study options at **RMIT University in Melbourne**.

- From your second year onward, you can go on **exchange** for one or two semesters while enjoying the benefit of paying the Vietnamese tuition rate.
- You can start your program in Vietnam and then permanently **transfer** to RMIT in Melbourne, where you switch to paying the Australian rate.

If you’re interested in doing a full program at RMIT in Melbourne, see page 55 for more information.

I spent six months on exchange to San Francisco State University in the US. It was the best experience I could ever ask for. San Francisco is an amazing city that celebrates diversity. The experience taught me how to relate better to people from different backgrounds. I became more comfortable socialising with others. I also received referrals and an internship offer. I got an insight into world-leading engineering practice and I realised how technology deliverability improves the quality of life for citizens on a daily basis.

**Nguyen Tin**
Current student
Bachelor of Engineering (Electrical and Electronic Engineering) (Honours)

Check out the Global Mobility options [https://www.rmit.edu.vn/explore-world](https://www.rmit.edu.vn/explore-world)

A path to employment
Prepare for your career

Our careers services and industry links help to make the journey from the classroom to the workplace a smooth one.

- Access careers counselling and mentoring services.
- Get help in developing your skills in resume writing and preparing for interviews.
- Utilise the Job Shop drop-in service for information about services, workshops and events.
- Join career fairs and networking events to connect with some of the biggest employers in your field.
- Find exclusive employment opportunities through the CareerHub website.

Connect to industry

You will benefit from the strong relationships we have with local and international industry partners.

- Doing a work placement through the RMIT Flagship Internship program provides hands-on experience in a real work environment.
- Interact with industry partners throughout your studies, such as in classroom activities, career fairs and networking events.

Many leading companies perform an advisory role to ensure our programs at the School of Science & Technology are relevant and up to date. Such industry partners include:

- ABB
- Amaris
- Bosch
- Grab
- Holistics.io
- Intel
- Schindler
- Schneider Electric
- SolarV
- Unilever

Develop your soft skills through the Personal Edge program and get ready for the competitive jobs market.

- Join a series of training workshops delivered by industry experts and focused on areas such as creative thinking, communicating with confidence and working across cultures.
- Take part in visits to industry-leading companies for unique insights into modern workplaces.
- Build a portfolio of soft skills in the Personal Edge app to show prospective employers.

Personal Edge

Develop your soft skills through the Personal Edge program and get ready for the competitive jobs market.

- Join a series of training workshops delivered by industry experts and focused on areas such as creative thinking, communicating with confidence and working across cultures.
- Take part in visits to industry-leading companies for unique insights into modern workplaces.
- Build a portfolio of soft skills in the Personal Edge app to show prospective employers.

100% of IT and engineering students who did an internship in 2019 got a full-time job offer from their host company!
In thinking about your journey from being a new student to being a graduate who is ready for the workforce, it can be helpful to break down your time at RMIT into the following three stages:

- **exploring** in the early semesters;
- **experiencing** in the middle semesters;
- **engaging** in the late semesters.

### Academic activities

#### Early semesters

In the early semesters, core courses are designed with two themes: **industry exposure** and **simulation**. These equip you with an overview of the industry and help you to explore your abilities for a suitable career path.

- **A. Industry exposure**
  - readings
  - guest lectures
  - field trips
  - case studies

- **B. Simulation**
  - simulated projects
  - game-based learning
  - lab-based projects

### Extra-curricular activities

From the first semester, we encourage you to join projects and clubs to develop a sense of belonging to your new environment and to make new friends. Getting involved is a great way to nurture your soft skills naturally.

- My First University Project
- Emerging Leaders Project
- 40 student clubs
- Personal Edge skills development workshops

### Middle semesters

In the middle semesters, **industry engagement** is the main theme in specialised courses. You will engage with real clients and manage projects to address current business challenges.

- **C. Industry engagement**
  - real industry projects
  - applied research
  - global collaboration
  - industry mentoring

To get a global experience, you can choose from more than 200 partner universities around the world to go on exchange for one or two semesters.

### Late semesters

Having already gained the necessary knowledge and skills, **capstone projects**, where you put everything you have learnt into practice, are the final step of the learning journey. Before graduating, taking part in the Flagship Internship program is a great way to get a taste of the work environment.

From semester 4, you can take on managerial roles through many projects and training programs. You will be encouraged to fulfill your own potential and become a creative leader!

- **D. Capstone project**
  - final project
  - showcase
  - exhibition

In your final semesters, you can engage with an industry mentor and become acquainted with real workplace environments. It’s a chance to get better equipped to take on the professional world!

- **E. Work placement**
  - Flagship Internship program

- **F. Employment**
  - Industry Mentoring Program
  - jobs on campus
  - Flagship Internship
  - Industry Networking Night
  - Career Fair
  - Recruitment Day

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**In thinking about your journey from being a new student to being a graduate who is ready for the workforce, it can be helpful to break down your time at RMIT into the following three stages:**

1. **Exploring** in the early semesters;
2. **Experiencing** in the middle semesters;
3. **Engaging** in the late semesters.
Our programs
Our information technology (IT) qualification will make you highly employable in the rapidly expanding IT and software development sector, where large local and global companies seek experts with English language skills.

Upon graduating, you will be ready to step into a career in network and data administration, programming, client support or other areas at the forefront of IT innovation.

You will have access to professional laboratories, modern computer laboratories and new equipment for electronic materials testing and processing. In class, you will utilise the latest software and stay up to date with the latest trends.

- Windows, Linux and macOS
- Android, iOS and modern cross-platform mobile technology, such as Flutter
- Web development tools, security software and cloud platforms

Discover the world of IT

Check out this internship video
Bachelor of Information Technology

Program code BP162  Intakes February, June, October  Location Saigon South

Develop your IT skills and knowledge to prepare for a career managing technology infrastructure for organisations across a wide range of sectors.

You will become skilled in creating and managing business applications, cloud storage, social media, websites and systems. Also, you will learn to problem solve, support and troubleshoot for the people who use IT.

You will study software design, development and testing systems, and learn how to apply your skills to large-scale software application developments. Skill development in project management, research and communication will set you apart in the job market.

It is possible to fast-track your studies and complete your degree in less than two and a half years.

Careers

Entry-level careers
- software engineer/developer
- web developer
- mobile developer
- application developer
- game developer
- user-interface designer and programmer
- database administrator
- software tester
- cloud engineer
- business analyst
- system/network engineer

Long-term careers
- senior developer/engineer
- consultant
- project manager
- technical manager/software architect
- IT manager
- chief technology officer
- chief executive officer

This program is certified by the Australian Computer Society (ACS). The ACS is a signatory to the Seoul Accord, an agreement responsible for accreditation or recognition of tertiary-level computing and IT-related qualifications worldwide.

Students engage with industry partners in many ways. As part of the User-centred Design course, for example, they have performed user experience (UX) usability testing for companies such as VietnamWorks and GrabTaxi. In their capstone project, students also work directly with industry. They also have the choice to do an internship.

In the Building IT Systems course, students learn to work on a project as a team to develop their teamwork skills, collaboration skills and tech skills. They’re in charge from beginning to end, while I act as a facilitator and supporter of their project. They recruit their own team by pitching their ideas to each other. They prepare and plan the project together, and learn together about the needed technology. At the end of the semester, they pitch their projects to each other.

RMIT was one of the first universities we targeted because of the high English skills of its students. Our teams work with people across multiple languages, so English is our standard. RMIT has welcomed us to many events, including job forums and lectures. I joined the IT Program Advisory Committee. It’s a chance to be closer to the employees of tomorrow and have a true exchange – sharing expertise and helping students find their dream job.

Xavier Malparty
IT Production Director,
Amaris Group

Dr Edouard Amouroux
Program Lead
What you will **study**

The diagram shows the advised program structure and progression:

### YEAR ONE

**SEMESTER 1**
- Introduction to IT
- Introduction to Programming
- Practical Database Concepts

**SEMESTER 2**
- Introduction to Computer System and Platforms Technologies
- User-centred Design
- Building IT Systems

**SEMESTER 3**
- Web Programming
- Program elective
- Program elective

### YEAR TWO

**SEMESTER 4**
- Security in Computing and Information Technology
- Program elective
- Software Engineering Fundamentals for IT

**SEMESTER 5**
- Program elective
- Professional Computing Practice
- Software Engineering Project Management

**SEMESTER 6**
- General elective
- General elective
- General elective

### YEAR THREE

**SEMESTER 7**
- Programming Project 1
- Programming Project
- General elective

**SEMESTER 8**
- General elective
- General elective
- Program elective

---

Studying in the Information Technology program at RMIT has been an amazing experience for me. Different projects with distinct challenges have brought my strengths and weaknesses to light. This process has encouraged me to focus on full-stack web development. With that clear vision, I feel ready to pursue my career path and join the workforce.

**Vo Thi Cam Linh**
Current student

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Bachelor of Information Technology

Choose from these program electives:
- Mobile Application Development (Android, React Native, iOS)
- Software Architecture: Design and Implementation
- Advanced Programming Techniques (C)
- Algorithms and Analysis
- Software Testing
- Practical Data Science
- Programming Internet of Things
- Web Server and Web Technologies (Apache, Nginx)
- Cloud Computing (AWS)
- Software Engineering: Processes and Tools
- Machine Learning

---

*In your third year, we recommend you join the Flagship Internship course. This gives you hands-on experience and a chance to gain vital workplace skills and training.*

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*Program elective* refers to elective courses offered in this particular program. *General elective* refers to elective courses offered across the university.*
After completing Occupational Health and Safety training, you will have access to our modern laboratories.

- In the electrical and electronics laboratory, you can design electrical circuits and produce software to interact with the hardware you build.
- Get acquainted with our Alpha and Baxter robots in the robotics and mechatronics laboratory.
- Produce your own parts and prototypes with our 3D printers.
- Get experience using Windows, Linux and macOS software in our computer laboratories.

Engineering

In 2020, we’re introducing a common first year for our engineering programs. The foundational year will expose you to the fundamentals of engineering through the study of science, mathematics, engineering design and professional practice skills.

Completing the common first year provides a chance to develop your passion for engineering before deciding which specialisation to pursue from your second year onward. Also, it makes it easier to then transfer to RMIT in Melbourne, where a wider range of engineering programs are offered.

Engineering graduates receive an Honours degree. An Honours degree provides a distinctive competitive advantage in the international job market. Honours is a pathway to higher research degrees and is located at Level 8 of the Australian Qualifications Framework.

The program collaborates with industry for a wide range of activities, including curriculum development, guest lectures and Work Integrated Learning (WIL) projects. You will design and develop systems while working on real-world problems sourced from our research, community and industry partners.

**Careers**

**Entry-level careers**
- product development and design
- application engineer
- integrated circuit design engineer
- electrical engineering
- automation
- project officer/manager
- telecommunications
- technology consultant

**Long-term careers**
- principal engineer
- advanced/specialist engineer
- engineering manager
- engineering director
- chief technology officer
- chief executive officer

ABB Vietnam is part of ABB Group, a pioneering technology leader in power grids, electrification products, industrial automation and robotics and motion. Our engagement with RMIT provides access to qualified candidates and helps us to understand young people’s needs. It connects us to young workers. Every year, we have hundreds of entry-level opportunities open worldwide, plus extraordinary learning possibilities through our graduate programs. Our dynamic work setting combines cutting-edge technology, inspiring projects and a multicultural workforce.

Hien Doan Van
Managing Director, Electrification Products Division, ABB

Dr Alexandru C. Fechete
Lecturer
**What you will study**

The diagram shows the advised program structure and progression:

<table>
<thead>
<tr>
<th>YEAR ONE</th>
<th>YEAR TWO</th>
<th>YEAR THREE</th>
<th>YEAR FOUR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SEMESTER 1</strong></td>
<td><strong>SEMESTER 4</strong></td>
<td><strong>SEMESTER 7</strong></td>
<td><strong>SEMESTER 10</strong></td>
</tr>
<tr>
<td>Engineering Mathematics</td>
<td>Mathematics for ECE</td>
<td>Engineering Design 3</td>
<td>Engineering Capstone Project Part A</td>
</tr>
<tr>
<td>Engineering Computing 1</td>
<td>Electrical Engineering 1</td>
<td>Electronic Circuits</td>
<td>Program elective</td>
</tr>
<tr>
<td>Introduction to Professional Engineering Practice</td>
<td>Electronics</td>
<td>Research Methods for Engineers</td>
<td>Program elective</td>
</tr>
<tr>
<td><strong>SEMESTER 2</strong></td>
<td><strong>SEMESTER 5</strong></td>
<td><strong>SEMESTER 8</strong></td>
<td><strong>SEMESTER 11</strong></td>
</tr>
<tr>
<td>Engineering Science</td>
<td>Engineering Design 2</td>
<td>Embedded System Design and Implementation</td>
<td>Program elective</td>
</tr>
<tr>
<td>Creative Engineering CAD</td>
<td>Signals and Systems 1</td>
<td>Advanced Digital Design 1</td>
<td>Program elective</td>
</tr>
<tr>
<td>Digital Fundamentals</td>
<td>Software Engineering Design</td>
<td>Program elective</td>
<td>Program elective</td>
</tr>
<tr>
<td><strong>SEMESTER 3</strong></td>
<td><strong>SEMESTER 6</strong></td>
<td><strong>SEMESTER 9</strong></td>
<td><strong>SEMESTER 12</strong></td>
</tr>
<tr>
<td>Introduction to Electrical and Electronic Engineering</td>
<td>Introduction to Embedded Systems</td>
<td>Program elective</td>
<td>Professional Engineering Experience</td>
</tr>
<tr>
<td>Digital System Design 1</td>
<td>Communication Engineering 1</td>
<td>Program elective</td>
<td></td>
</tr>
<tr>
<td>General elective</td>
<td>General elective</td>
<td>Program elective</td>
<td></td>
</tr>
</tbody>
</table>

*General elective* refers to elective courses offered across the university.

**Park Su Young**
Current student

I first came to RMIT to improve my English but then chose to study engineering so that I could continue my previous program. I had studied for two years in South Korea. In South Korea, my program was dedicated more to memorisation. Also, the teacher-student relationship was a very serious and solemn one. At RMIT, I get to do more projects, and the teachers are always ready to help. They personally care about me and my progress. Now that I’m able to build many projects from scratch, I feel much more confident about entering the workforce and becoming an engineer.
Bachelor of Engineering (Robotics and Mechatronics Engineering) (Honours)

Program code: BH123  
Duration: Four years  
Intakes: February, June, October  
Location: Saigon South

This program prepares you for a career in the growing field of robotics and mechatronics — a field that will set engineering trends for the next decade.

Developments in robotics and mechatronics are reshaping the modern world, with automation and smart devices changing the ways that we do things in the home, on the streets, in the factories and in the classrooms.

This degree will put you at the forefront to understanding the electronic, mechanical and smart control components that underpin the discipline.

You will develop a wide range of technical skills, plus abilities in management, creative thinking, problem solving and communication. These skills make our graduates the target of some of the biggest global and local companies who have a growing demand for highly skilled labour.

Careers
Graduates compete for mid-level positions in industrial robotics or automation design.

Entry-level careers
- mechatronic engineer
- automation engineer
- industrial engineer
- mechanical engineer
- process engineer
- product/project manager
- technology consultant

Long-term careers
- principal engineer/technical leader
- advanced/specialist engineer
- engineering manager/supervisor
- director of engineering
- director of technology
- chief executive officer
- chief technology officer

The program collaborates with industry for a wide range of activities, including curriculum development, guest lectures and Work Integrated Learning (WIL) projects. You will also have a chance to work closely with industry partners through an internship.

We’re a social enterprise that manufactures prostheses. Over time, we have made different models that are affordable so that people in developing countries can have fully functioning hands. We’ve worked with RMIT’s engineering students. They’ve made models that can provide people with disabilities a chance to do things that they would have not been able to do. I find it very interesting that industrial partners are involved in the curriculum making at RMIT. The university brings us together and asks, ‘What’s missing?’ So the curriculum becomes stronger and the students become more employable.

Akshay Sharma  
Co-founder and Chief Technology Officer, Vulcan Augmetics

Dr Andrew Smith  
Program Lead

Many tasks in the industrial and commercial worlds are being replaced with robots and automated systems, making our lives simpler and easier. Engineering plays an important role in developing and establishing these machines. This program provides a solid and practical foundation in the mechanical, electrical and software aspects of robotics and mechatronics engineering. You will have the opportunity to apply your new-found knowledge to a real-life engineering project while learning with the latest technologies.
What you will study

The diagram shows the advised program structure and progression:

<table>
<thead>
<tr>
<th>YEAR ONE (Common First Year)</th>
<th>YEAR TWO</th>
<th>YEAR THREE</th>
<th>YEAR FOUR</th>
<th>Bachelor of Engineering (Robotics and Mechatronics Engineering) (Honours)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SEMESTER 1</strong></td>
<td><strong>SEMESTER 4</strong></td>
<td><strong>SEMESTER 7</strong></td>
<td><strong>SEMESTER 10</strong></td>
<td>Engineering Mathematics</td>
</tr>
<tr>
<td>Engineering Computing 1</td>
<td>Digital System Design 1</td>
<td>Design for Assembly and Automation</td>
<td>Program elective</td>
<td></td>
</tr>
<tr>
<td>Creative Engineering CAD</td>
<td>Electronics</td>
<td>Research Methods for Engineers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to Mechanical Design</td>
<td>Mathematics for ECE</td>
<td>Autonomous Systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to Professional Engineering Practice</td>
<td>Stress Analysis</td>
<td>Advanced Robotics</td>
<td></td>
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</tr>
<tr>
<td>Digital Fundamentals</td>
<td>Control Systems</td>
<td>Engineering Capstone Project Part B</td>
<td></td>
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</tbody>
</table>

<table>
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<tr>
<th><strong>SEMESTER 2</strong></th>
<th><strong>SEMESTER 5</strong></th>
<th><strong>SEMESTER 8</strong></th>
<th><strong>SEMESTER 11</strong></th>
<th>Engineering Science</th>
<th>Engineering Design 2</th>
<th>Materials Engineering</th>
<th>Program elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Manufacturing &amp; Mechatronics: What We Make and How We Make It</td>
<td>Mechanical Design</td>
<td>Autonomous Systems</td>
<td>Program elective</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creative Engineering CAD</td>
<td>Stress Analysis</td>
<td>Engineering</td>
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<tr>
<td>Digital Fundamentals</td>
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<td>Systems</td>
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<th><strong>SEMESTER 3</strong></th>
<th><strong>SEMESTER 6</strong></th>
<th><strong>SEMESTER 9</strong></th>
<th><strong>SEMESTER 12</strong></th>
<th>Introduction to Electrical and Electronic Engineering</th>
<th>Introduction to Embedded Systems</th>
<th>Program elective</th>
<th>Professional Engineering Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>General elective</td>
<td>Mechanical Design</td>
<td>Program elective</td>
<td>Program elective</td>
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</tr>
<tr>
<td>General elective</td>
<td>Control Systems</td>
<td>General elective</td>
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</tr>
</tbody>
</table>

* General elective* refers to elective courses offered across the university.

**Mohamed Farshad**
Current student

In my team project, we created a robotic arm module for amputees. We joined with Vulcan Augmetics, a company which makes prosthetic arms. They helped us to choose a module that we could make for them. We discovered that the dishwashing industry was a major sector in the city. So we came up with an arm module that an amputee could fit to their forearm and use it to clean dishes. It works well.
Bachelor of Engineering (Software Engineering) (Honours)

Program code: BH120
Duration: Four years
Intakes: February, June, October
Location: Saigon South

As technology continues to evolve, software engineers are in high demand in trending areas of artificial intelligence, embedded systems, robotics, virtual reality and big data.

Software engineers apply engineering principles and systematic methods to develop programs and operate data for computers and electronic equipment. They unite the theories and methods of computer science, engineering and mathematics to create software applications, systems, hardware devices and telecommunication networks.

In this program, you will build expertise in designing solution architectures and developing software and hardware solutions in embedded systems, enterprise application development, mobile device applications and big data analytics.

Being exposed to a range of experiences in these trending areas will help you to develop the skills and versatility you need to enter this exciting employment marketplace.

Careers

Entry-level careers
• system analyst
• IT consultant
• mobile games developer
• product development
• programmer
• software engineer
• software developer
• system engineer

Long-term careers
• principal software engineer
• advanced/specialist engineer
• project leader/manager
• director of engineering
• chief technology officer

This program has been accredited by Engineers Australia, which is a signatory to the Washington Accord. This international recognition enables graduates to practise as professional engineers in 18 countries, including the US, UK, China, New Zealand, Japan, Korea and Singapore.

In an example of students working on projects with industry partners, watchmaker Fossil tasked students to conduct research and testing into body-heat batteries. Other industry interaction includes guest lectures and tours to companies such as Intel and Bosch.

At Schneider, we believe access to energy and digital is a basic human right. We empower all to do more with less to ensure that ‘Life Is On’ everywhere for everyone at every moment.

Our collaboration with RMIT is a great example of how university-industry relations can offer insights into our day-to-day business. Through job shadowing, internships and other activities, students gain comprehensive knowledge to help prepare them for the future.

Felicitas Huong Friedrich
Corporate Social Responsibility and Education Manager, Schneider Electric

Joseph (Yossi) Nygate
Program Lead

Do you love solving problems? Does a career in technology excite you? If you answered ‘yes’ to these questions, a career in software engineering may be right for you. Studying software engineering at RMIT will give you all the skills and versatility required to enter this exciting market. Our program covers a wide range of topics, from creating web sites and developing mobile apps to working on embedded systems and applying machine learning and big data analytics.
What you will study

The diagram shows the advised program structure and progression:

YEAR ONE
(Common First Year)

SEMESTER 1
Engineering Mathematics
Engineering Computing 1
Introduction to Professional Engineering Practice

SEMESTER 2
Engineering Science
Creative Engineering CAD
Digital Fundamentals

SEMESTER 3
Introduction to Electrical and Electronic Engineering
Software Engineering Design
General elective

SEMESTER 4
Software Engineering Fundamentals for IT
Object-Oriented Programming
Practical Database Concepts

SEMESTER 5
Data Structures & Algorithms
Introduction to Embedded Systems
General elective

SEMESTER 6
Embedded System Design and Implementation
Android Development
Program elective

SEMESTER 7
Engineering Design 3
Enterprise Application Development
Research Methods for Engineers

SEMESTER 8
Embedded Systems: Operating Systems & Interfacing
Engineering Quality Assurance and Testing
Software Engineering: Architecture and Design

SEMESTER 9
iOS Development
Program elective
Program elective

SEMESTER 10
Engineering Capstone Project Part A
Technology Leadership

SEMESTER 11
Program elective
Engineering Capstone Project Part B

SEMESTER 12
Professional Engineering Experience

Choose from the following program electives:

- Network Fundamentals and Applications
- Practical Data Science
- Digital System Design 1
- Computer and Network Security
- Enterprise and Cloud Networks
- Real Time Systems Engineering
- Machine Learning
- Big Data for Engineering
- Security in Computing and Information Technology
- Cloud Computing

* ‘General elective’ refers to elective courses offered across the university.

Tran Le Nha Tran
Current student

I participated in an exchange program to Australia and completed an internship at Intel. After those experiences, I became confident that I wanted to work in software engineering. At RMIT, I’m surrounded by friends who have great drive and entrepreneurial mindsets. RMIT education is so well rounded that even an engineering student like me can develop enough business acumen to one day pursue my own startup.
Student projects

Our students put their skills to the test in developing creative projects as part of their programs. Here are some examples.

A team of IT students developed a new style of surveillance camera that could be adjusted via voice control technology Alexa. The team consisted of Tseng Chia Fu, Nguyen Hoang Chuong, Pham Ngoc Minh Hang, Pham Minh Quang and Vo Thi Cam Linh. Their project enabled camera angles to be adjusted remotely and incorporated cloud storage and a web app for improved playback functionality.

Phung Duc Thao, an Electrical and Electronic Engineering student, was recognised for his project work in developing a facial recognition monitoring system for retail management. He won Best Student Project Prize in the IT/engineering segment at the RMIT Industry Networking Night in June 2019. The monitoring system helps retailers improve their customer satisfaction by displaying tailored advertisements.

A team of engineering students worked with start-up social enterprise Vulcan Augmentics to develop a prototype prosthetic arm for amputees. The team, consisting of Eshan Edirisinghe, Pasan Dharmasiri, Mohamed Farshad, Dat Tran and Loc Tran, displayed the robotic arm at RMIT’s Industry Networking Night in June 2019.

Four IT students combined to develop a game called the ‘Unity 2D Endless Runner Game’ as part of a class project. The students, Truong Phu Cuong, Tram Ngoc Minh Hang, Pham Minh Quang and Vo Thi Cam Linh, displayed their project for industry leaders at RMIT’s Industry Networking Night in June 2019.

Check out more projects http://bit.ly/rmitSSTprojects
Pathway programs

English for University

The English for University program is a seven-level program for learning English at RMIT, taking you from the level of ‘Beginner’ to ‘Advanced’. Delivered by native English-speaking teachers who bring a wealth of experience to the classroom, the program prepares you to successfully transition into undergraduate studies. It focuses your development in three essential skills areas:

- language skills
- academic skills
- practical skills

UniSTART

UniSTART is an informal pathway into the IT and engineering programs, allowing you to combine English study with first-year undergraduate courses. This pathway is ideal if you already have high-level English competency and want to transition into your chosen degree program while advancing your language skills further.

UniSTART (Information Technology)*

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>ENGLISH</th>
<th>IT COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>English for University Pre-Advanced (IELTS entry 5.5)</td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>English for University Advanced A (IELTS entry 6.0)</td>
<td>Mathematics for Computing</td>
</tr>
<tr>
<td>Semester 3</td>
<td>English for University Advanced B (Advanced A prerequisite)</td>
<td>Introduction to Programming, Introduction to Information Technology</td>
</tr>
</tbody>
</table>

UniSTART (Engineering)*

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>ENGLISH</th>
<th>ENGINEERING COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>English for University Pre-Advanced (IELTS entry 5.5)</td>
<td>Engineering Mathematics</td>
</tr>
<tr>
<td>Semester 2</td>
<td>English for University Advanced A (IELTS entry 6.0)</td>
<td></td>
</tr>
<tr>
<td>Semester 3</td>
<td>English for University Advanced B (Advanced A prerequisite)</td>
<td>Engineering Computing, Introduction to Electrical and Electronic Engineering</td>
</tr>
</tbody>
</table>

*UniSTART is an informal pathway into undergraduate study and is not a recognised higher education qualification.
Eligibility

<table>
<thead>
<tr>
<th>Undergraduate programs</th>
<th>English requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic requirements</td>
<td>English proficiency tests:</td>
</tr>
<tr>
<td>High school graduation diploma</td>
<td>- IELTS (Academic) 6.5+ (no band below 6.0)</td>
</tr>
<tr>
<td>A minimum GPA of 7.0/10.0, or equivalent, for Year 12</td>
<td>- TOEFL iBT 79+ (with minimum score of 13 in Reading, 12 in Listening, 18 in Speaking and 21 in Writing)</td>
</tr>
<tr>
<td>A minimum score of 6.0/10.0, or equivalent, in mathematics subjects</td>
<td>- Pearson Test of English (Academic) 58+ (no communication band below 50)</td>
</tr>
<tr>
<td></td>
<td>- Cambridge English: Advanced (CAE) or Proficiency (CPE) 176+ (no band below 169)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UniSTART</th>
<th>English requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic requirements</td>
<td>English placement test: Pre-Advanced</td>
</tr>
<tr>
<td>High school graduation diploma</td>
<td>- IELTS Academic 5.5+ (no band below 5.0)</td>
</tr>
<tr>
<td>A minimum GPA of 6.0/10.0, or equivalent, for Year 12</td>
<td>- TOEFL iBT 50+ (with minimum score of 5 in Reading, 5 in Listening, 14 in Speaking and 15 in Writing)</td>
</tr>
<tr>
<td></td>
<td>- Pearson Test of English (Academic) 42+ (no communication band below 36)</td>
</tr>
<tr>
<td></td>
<td>- Cambridge English: Advanced (CAE) or First (FCE) 162+ (no band below 154)</td>
</tr>
</tbody>
</table>

Note: TOEFL, IELTS, Pearson and Cambridge results are recognised for two years from the test date.

International Baccalaureate (IB) Diploma

<table>
<thead>
<tr>
<th>Undergraduate programs</th>
<th>UniSTART for Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic requirements</td>
<td>English proficiency tests:</td>
</tr>
<tr>
<td>25 points minimum</td>
<td>Minimum of 4 in English A1 or A2 at Higher Level (HL) or Standard Level (SL) or</td>
</tr>
<tr>
<td>Plus Mathematics with a minimum score of 2 at Higher Level or 3 at Standard Level</td>
<td>Minimum of 3 in English B at Higher Level (HL) or Standard Level (SL) or</td>
</tr>
<tr>
<td>Minimum of 4 in English B at Higher Level (HL) or Standard Level (SL)</td>
<td>Minimum of 4 in English B at Standard Level (SL)</td>
</tr>
<tr>
<td>English requirements</td>
<td>Minimum of 5 in English B at Standard Level (SL)</td>
</tr>
</tbody>
</table>

UK A Levels

<table>
<thead>
<tr>
<th>Undergraduate programs</th>
<th>UniSTART for Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic requirements</td>
<td>English proficiency tests:</td>
</tr>
<tr>
<td>Minimum 7 points for 3 A level subjects</td>
<td>- UK IGCSE O Levels: C/4 or better in English – First Language or English Literature, or B/6 or better in English – Second Language; or</td>
</tr>
<tr>
<td>Plus Mathematics (A Level) with a minimum score of C</td>
<td>- UK GCE A Levels: Achieve minimum C in an A Level subject that is taught and examined solely in English (excludes language subjects and mathematics and music)</td>
</tr>
<tr>
<td>English requirements</td>
<td>Minimum 3 points for 2 A Level and 1 AS Level subjects</td>
</tr>
</tbody>
</table>

United States

<table>
<thead>
<tr>
<th>Undergraduate programs</th>
<th>UniSTART for Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic requirements</td>
<td>GPA 2.5/4; and one of:</td>
</tr>
<tr>
<td>Plus mathematics (A Level) with a minimum score of C</td>
<td>- a minimum SAT score of 1500 (out of 2400); or 1060 (out of 1600); or</td>
</tr>
<tr>
<td>English requirements</td>
<td>- a minimum ACT composite score of 21</td>
</tr>
</tbody>
</table>

Sri Lanka A Levels

<table>
<thead>
<tr>
<th>Undergraduate programs</th>
<th>UniSTART for Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic requirements</td>
<td>English proficiency tests:</td>
</tr>
<tr>
<td>Minimum 9 points for 3 A Level subjects</td>
<td>- UK IGCSE O Levels: C/4 or better in English – First Language or English Literature, or B/6 or better in English – Second Language; or</td>
</tr>
<tr>
<td>Plus mathematics (A Level) with a minimum score of C</td>
<td>- UK GCE A Levels: Achieve minimum C in an A Level subject that is taught and examined solely in English (excludes language subjects and mathematics and music)</td>
</tr>
<tr>
<td>English requirements</td>
<td>Minimum 3 points for 3 A Level subjects</td>
</tr>
</tbody>
</table>

See the standard undergraduate programs’ English requirements (page 50)

See the standard UniSTART English requirements (page 50)
Accommodation

On-campus residential facilities at Saigon South accommodate more than 100 students, offering a safe and comfortable home away from home. All apartments are fully furnished and air-conditioned, and residents have access to exclusive study spaces, kitchens and recreational areas.

<table>
<thead>
<tr>
<th>Room type</th>
<th>Capacity</th>
<th>Fee per student (one semester/16 weeks)</th>
<th>Fee per student (four weeks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single studio</td>
<td>1</td>
<td>VND 39,000,000</td>
<td>VND 10,700,000</td>
</tr>
<tr>
<td>Twin studio</td>
<td>2</td>
<td>VND 28,500,000</td>
<td>VND 8,000,000</td>
</tr>
<tr>
<td>Three-bedroom apartment</td>
<td>3</td>
<td>VND 33,500,000</td>
<td>VND 9,300,000</td>
</tr>
<tr>
<td>Five-bedroom apartment</td>
<td>5</td>
<td>VND 32,000,000</td>
<td>VND 8,800,000</td>
</tr>
</tbody>
</table>

* Prices quoted are for 2020

Inclusions

- furnishing
- air-conditioning
- the cost of utilities, including electricity and water
- weekly services, including linen change (sheet and pillowcase)
- in-room wireless internet
- wireless connectivity to the printing lab
- in-room telephone connection for external and internal calls
- in-room safety box

Services and facilities

- on-site university management presence
- reading rooms
- a kitchen, with refrigerator, freezer, microwave oven, electric cooktop and rice cooker, on each floor
- printing lab with wireless printers, workstations, internet connection and English-language software
- recreation room with television, board games and a pool table
- external courtyard with outdoor seating and barbecues
- laundry room with washing machine, dryers, ironing board and iron
- external clothes-drying area
- access to university facilities, including the food court, sports centre and playing fields

More accommodation information
How to apply

At RMIT University Vietnam, there are three intakes each year:

FEBRUARY | JUNE/JULY | OCTOBER

Application process

Submit application

Receive letter of offer

Accept offer and pay deposit

Complete online enrolment

Start your program at RMIT University Vietnam!

Scholarship

RMIT Vietnam will offer more than 100 scholarships, at a total value of about 33 billion VND, to new students in 2020.

[QR code for scholarship information]

Tuition

Students can choose between the standard tuition fee or the fixed-fee program. Payments are made each semester on a course-by-course basis.

[QR code for tuition information]
SAIGON SOUTH CAMPUS
- 702 Nguyen Van Linh Street, Tan Phong Ward, District 7, HCMC
- (84) 28 3776 1369
- enquiries@rmit.edu.vn

HANOI CITY CAMPUS
- Handi Resco Building, 521 Kim Ma Street, Ba Dinh District, Hanoi
- (84) 24 3726 1460
- hanoi.enquiries@rmit.edu.vn

www.rmit.edu.vn