

Faculty of Engineering, Computing & Science 2018

Undergraduate



Photo courtesy of Hobart Kho

WELCOME MESSAGE FROM THE DEAN



As the home to Swinburne Sarawak's Science, Technology, Engineering and Mathematics (STEM) courses, we offer a full suite of Engineering undergraduate honours courses in addition to specialised courses in Biotechnology, Computer Science and Information & Communication Technologies (ICT). We also have the Master of Construction Management course which facilitates the study of advanced project management and engineering techniques for the construction industry. We envisage new and emerging courses in the area of Computer Science and ICT in 2018 in response to the state government having set its sights on developing the state's digital economy.

The Faculty has strong commitment in ensuring quality and future-ready graduates while meeting the human capital needs in particular those relating to the SCORE (Sarawak Corridor of Renewable Energy) related industries.

Our academic staff have diverse teaching/research expertise and are well qualified for teaching excellence. We embrace outcome based education (OBE) where students' learning is centred around a set of carefully defined course learning and unit learning outcomes. We put strong emphasis in developing practical and soft skills among students where a number of integrated design/capstone projects are embedded into senior year units of study.

Students are challenged to "think outside the box" while developing their knowledge and skills relevant to real world experiential learning.

In addition, our students have been very active in promoting/participating activities within the professional student chapters and I am indeed very proud of a number of high achieving students in winning national and international competitions.

Research plays an important role within the faculty in building long-lasting relationships with industries to develop programs and activities that focus on research translation and commercialisation. Staff members as well as researchers from the centre for (Sustainable Technologies and Centre of Digital Futures) are encouraged to collaborate with colleagues from Melbourne to leverage on research expertise and facilities. Together with our Research and Consultancy Office, the faculty has signed a number of MoU/NoU with reputed research centres and universities around the world. If you are interested to be part of our research network, you are welcome to contact us and we will connect you with the experts within the University.

For prospective students, I would strongly advise you to browse through this guide which carries information on the range of courses that we offer. Also visit our Swinburne website to see our student achievements and industrial engaged learning activities.

Associate Professor Su Hieng Tiong
Dean Faculty of Engineering, Computing and Science

GLOBAL Rankings

NO 1 **INTERNATIONAL
UNIVERSITY (BORNEO)**
Asia-Pacific University Ranking 2017,
Times Higher Education

TOP 100 **IN THE WORLD**
Under 50 Years Old
Young University Rankings
Times Higher Education
World University Rankings 2017

TOP 75 **CIVIL
ENGINEERING**
Shanghai Ranking's Global
Ranking of Academic
Subjects, 2016

TOP 50 **DESIGN**
QS World University Rankings
by Subject, 2016

TOP 400 **WORLDWIDE**
Times Higher Education World
University Rankings 2016 - 2017



SETARA'17

TIER 5

Mature University Category
Rating System for Higher
Education Institutions,
Ministry of Higher
Education Malaysia

EMPLOYMENT RATE

OVER 93%

With selected business
and engineering graduates
reporting 100%
employment rate

ABOUT 4000 STUDENTS

**MORE THAN
50 COUNTRIES**

Vibrant • Diverse • Colourful



ACADEMICS' **PROFILE**



Ir. Associate Professor Dominic E. L. Ong
Director Research Centre for Sustainable Technologies
Associate Professor Faculty of Engineering, Computing and Science

I specialise in the field of geotechnical engineering which involves deep excavation, tunnelling, soil-structure interaction, ground improvement, field instrumentation works and finite element modelling.

As a lecturer, I teach units that help students contextualise real-life construction cases so they can develop fundamental understanding of the problems in hand. As the Director of Research Centre for Sustainable Technologies my role is to encourage the adoption of sustainable technologies via industry-university collaborations and to deliver cutting-edge research across various engineering disciplines as well as biotechnology.

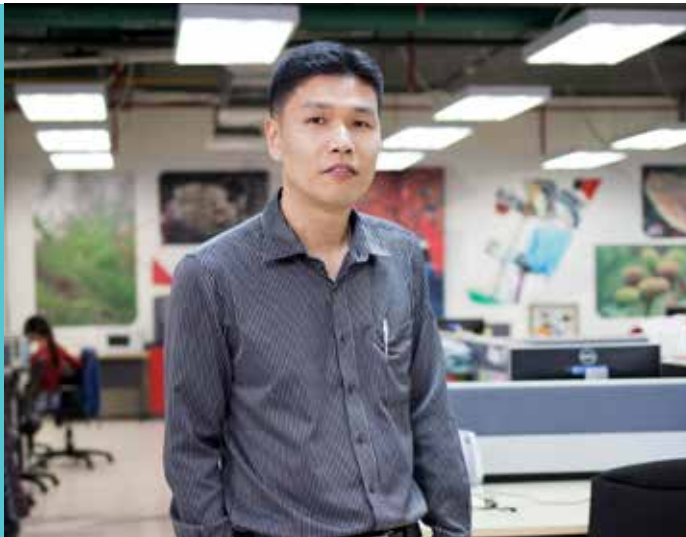
I am an elected Fellow with the Institutions of Engineers Malaysia (FIEM) and Australia (FIEAust). This I believe is an advantage to my students in terms of partnership, collaboration and networking.



Associate Professor Patrick Then
Director Centre for Digital Future
Associate Dean (Computing) Faculty of Engineering, Computing and Science

I have strong industry collaborations at national and international levels and have led multiple industry-funded projects in research and development in collaboration with national and international commercial partners. In the field of computing, I have led million-dollar projects, having worked closely with international researchers renowned universities worldwide. I am a strong advocate of R&D and the commercialization of innovations in Big Data, Data Mining and Internet of Things.

As a member of the Institute of Electrical and Electronics Engineers USA, and the Australian Computer Society, I have access to up-to-date information regarding the industry. Students will have ample opportunities to learn what these associations demand of its graduates.



Dr Ng Sing Muk

Associate Director Centre for Sustainable Technologies
Senior Lecturer, Faculty of Engineering, Computing and Science

I am a trained chemist and a researcher. At Swinburne, I teach subjects relating to chemistry and biochemistry. I am also entrusted to look after the research agenda of the University in my capacity as an Associate Director for the Centre for Sustainable Technologies.

I'd done research on optical materials for sensing receptors with a focus on sustainable and green technology. As a member of several notable associations with expertise in the field of chemistry, I can offer students a better perspective of what the industry expects from a biotechnologist.



Associate Professor Dr. Farouq Twaiq

Coordinator Chemical Engineering
Faculty of Engineering, Computing and Science

I am an active Chartered Chemical Engineer (MIChemE and CEng) and a lecturer and researcher at Swinburne University of Technology Sarawak Campus. Prior to joining Swinburne Sarawak in July 2013, I was the Assistant Professor and Assistant Dean for Research at University of Nizwa, Oman (2009 – 2013) and senior lecturer and Head of Department of Chemical Engineering at Curtin University, Malaysia (2003 – 2009).

My research interests are in the area of catalysis, reaction engineering, biofuel and clean environment. Currently, my research focus is in the synthesis of nickel supported catalyst for hydrogen production from dry reforming process for enhanced process performance. I teach units such as Process Plant Design, Process Mass Transfer and Reaction Engineering.

Build Your OWN DEGREE

At Swinburne, we believe university should be a place of clarity and confidence. We want you to easily understand the requirements of your course and the outcomes of your degree.

Our degree structure gives you the freedom to choose between taking one or two majors, or adjusting your direction at any point.

You'll also discover more work-based learning in our degrees, including professional internships and industry tours.

Enjoy more clarity, choices and flexibility in your studies at Swinburne.

Degrees

Our standard three-year degrees comprise of 24 units of study. For our Engineering courses, the standard duration of study is four years.

Most of these units will focus on your primary area of study, which becomes what is known as your 'major'. A major allows you to deepen your knowledge in a particular area and sharpen your career focus.

You will also undertake a minor which is a set of subject (shorter than a major) studied throughout a degree. The number of subjects in a minor may vary between courses. Studying a minor will allow you to expand your career options by adding another area of expertise. You can also add depth to your qualification by studying units related to your major.

The remaining units that make up your degree are called elective units, which you can use to explore related or non-related areas of interests. These units add breadth to your knowledge and experience through another major or study of a minor.

Double degrees

Double degrees are a great way to broaden your study experience and are highly respected by employers. They combine two areas of study and on completion you'll be awarded two degrees. A double degree is generally only one year longer than a single degree.

Honours

You may be able to pursue your undergraduate studies at an advanced level by completing an additional specialised honours (fourth) year. An honours year allows you to deepen your understanding in your major field and develop your research skills. At Swinburne Sarawak, our engineering degrees have an integrated honours year.

Flexible course structure

Our flexible course structure allows you to add depth and breadth to your degree, by letting you choose from an extensive range of subjects from different disciplines.

As an example, our Bachelor of Business offers a combination of 21 business majors and 90 combinations of majors and minors. This gives you a unique combination of majors and minors to choose from.

Core: a set of compulsory units you must complete as part of your course

Major: a structured set of units in a field of study specific to your course

Co-Major: a structured set of units in a field of study outside your course

Minor: a structured set of four units in a field of study related or non-related, to your course

Elective: a standalone unit from any study area.

Modes of study

You will have the opportunity to participate in various types of study depending on your chosen course. These may include lectures, workshops, tutorials, laboratory sessions, group work, cross-discipline projects, case studies, practical sessions, discussion groups and individual research projects.

Improve Your Job **PROSPECTS**

Swinburne offers a range of services and courses that extend beyond what you learn in the classroom to enhance your qualification and help prepare you for a successful career.

Work Integrated Learning

Our learning options can prepare you for the day-to-day requirements of work, helping you become a more competitive graduate.



Professional placements

Our professional placements can pair you with a leading employer in your area of study. You will receive credit towards your degree, professional skills and insight into your potential future.



Professional internships

Some of your most valuable knowledge will come from observing industry professionals at work in your future field. An internship gives you the opportunity to do this while you are studying. If you are selected to undertake an internship, you will be paired with a leading employer in your area of study.



Accreditation placements

Some degrees include a mandatory work placement as a requirement of professional accreditation. Some professional experiences are credited to your degree, others not, but all are compulsory. We have a long-standing relationship with top organisations that welcome Swinburne Sarawak students every year.



Industry study tours

As a Swinburne Sarawak student, you may have the opportunity to participate in industry study tours. Study tours are designed to give you experience that will benefit your career. The tours give you credit towards your degree and offer a unique opportunity to enrich your learning and gain an insight into your area of study.



Industry-linked projects

Problem-solving is a strength that can help bolster your prospective career. Swinburne's industry-linked projects gives you the opportunity to take on authentic workplace challenges related to your future career. All projects are team-based and are normally undertaken as a unit of study during the final year of your course.

Student Leadership and Volunteer Program

The Student Leadership and Volunteer Program provides you with opportunities to contribute to the Swinburne community through leadership and volunteering roles. Volunteers develop practical experience and have opportunities to participate in events and activities.

Opportunities may include mentoring, volunteering at events and activities hosted by the university or its faculties, or participation in academic workshops and conferences.

Careers and employment services

Student Engagement have experienced career counsellors who provide a range of free career services for current students and recent graduates. Student Engagement also offers a range of additional services to assist students with employment, including employment resources and networking with employers through job fairs.

FACULTY OF
**ENGINEERING,
COMPUTING AND
SCIENCE**

About The Faculty Of **ENGINEERING, COMPUTING AND SCIENCE**

Swinburne's Faculty of Engineering, Computing and Science is at the forefront of the university's focus on developing innovative solutions to real-life problems. We create graduates who are trained and motivated to make an immediate contribution to the workplace.

Engineering

Our engineering courses include civil, chemical engineering, electrical and electronics, mechanical and robotics and mechatronics.

The distinguishing feature of our engineering courses is that they are practical and industry-focused.

Computing

The computing department offers courses in Information and Communication Technology, and Computer Science.

Swinburne's emphasis on teaching you to apply your knowledge to real-life problem solving, plus providing you with some of the best facilities in the country in which to practise, means that you can graduate knowing you will be able to take advantage of the many opportunities in this always-growing, ever-changing field.

Science

Our Science students are given the opportunity to engage with our world-class researchers and research facilities. Our Biotechnology program combine a strong theoretical foundation with a practical industry focus, which creates graduates who are highly valued by employers in Malaysia and overseas.

KEY

AM Adv./Add. Maths **Bio** Biology
MA Maths. (If any) **CH** Chemistry
PHY Physics

Course	Duration	Intake	2018 indicative course fee* (annual)	Prerequisite subjects
Engineering				
Bachelor of Engineering (Civil) (Honours)	4 Years	Feb, Sept, Oct	(M) RM30,104/(I) RM37,576 annual	AM + PHY/CH
Bachelor of Engineering (Civil) (Honours)/Bachelor of Business	5 Years	Feb, Sept, Oct	(M) RM29,032/(I) RM36,888 annual	AM + PHY/CH
Bachelor of Engineering (Chemical) (Honours)	4 Years	Feb, Sept, Oct	(M) RM30,104/(I) RM37,576 annual	AM + PHY/CH
Bachelor of Engineering (Electrical and Electronic) (Honours)	4 Years	Feb, Sept, Oct	(M) RM30,104/(I) RM37,576 annual	AM + PHY/CH
Bachelor of Engineering (Mechanical) (Honours)	4 Years	Feb, Sept, Oct	(M) RM30,104/(I) RM37,576 annual	AM + PHY/CH
Bachelor of Engineering (Mechanical) (Honours)/Bachelor of Business	5 Years	Feb, Sept, Oct	(M) RM29,032/(I) RM36,888 annual	AM + PHY/CH
Bachelor of Engineering (Robotics and Mechatronics) (Honours)	4 Years	Feb, Sept, Oct	(M) RM30,104/(I) RM37,576 annual	AM + PHY/CH
Bachelor of Engineering (Robotics and Mechatronics) (Honours) /Bachelor of Computer Science	5 Years	Feb, Sept, Oct	(M) RM29,032/(I) RM36,888 annual	AM + PHY/CH
Information and Communication Technologies				
Swinburne Foundation Studies (Information Technology/Multimedia)	1 Year	Jan, Apr, Sept, Oct	(M) RM16,344/(I) RM23,598 annual	Nil
Bachelor of Information and Communication Technology	3 Years	Feb, Sept	(M) RM22,448/(I) RM29,216 annual	AM/MA ^a
Bachelor of Computer Science	3 Years	Feb, Sept	(M) RM22,448/(I) RM29,216 annual	AM/MA ^a
Science				
Swinburne Foundation Studies (Engineering/Science)	1 Year	Jan, Apr, Sept, Oct	(M) RM16,344/(I) RM23,598 annual	AM or PHY
Bachelor of Science (Biotechnology)	3 Years	Feb, Sept	(M) RM30,368/(I) RM39,640 annual	MA ^f + Bio/CH

Program fees

* The indicative fee detailed above is for 2018 only. It is based on a standard study load per year. For bachelor courses, there are normally 8 units of study per year.

All tuition fees are subject to an annual review and adjustment, and include all other fees such as lab, resources etc.

Additional costs

Tuition fees do not include minor equipment costs that may be incurred as part of your course (e.g. statistics calculators, some design equipment, study materials, study tour etc.)

a Pass in AM/MA (STPM or equivalent) or Credit in AM/MA (SPM or equivalent)

f Maths for Year 11, SPM, O Level or equivalent.

Contact us via email at study@swinburne.edu.my for more details.

For the complete list of entry requirements, visit <https://www.swinburne.edu.my/find-course/entry-requirements.php>

Swinburne Advantage **ENGINEERING**

At Swinburne, our Engineering courses helps you learn how to create innovative solutions to contemporary problems.

Professional Recognition

Swinburne Engineering degrees are recognised by the following professional bodies:

- Board of Engineers Malaysia (BEM)
- Engineers Australia
- The Institution of Engineers Malaysia

Industry Partners

- Cahya Mata Sarawak Berhad
- Hock Seng Lee Berhad
- Jabatan Kerja Raya
- KKB Engineering Berhad
- Telekom Malaysia
- Shell
- Sarawak Energy
- Shin Yang
- Sarawak Oil Palms Berhad
- Press Metal

Finding the right course

An engineering course could be right for you if your interest includes:

- How things work and how they can work better
- The design of innovative products
- Maths and Science
- Problem-solving
- Creating things
- The environment and sustainable solutions for the future
- Robotics
- Technology
- Hardware and software development.

Swinburne Foundation Studies (Engineering/Science)

Our Swinburne Foundation Studies (Engineering/Science) is designed to prepare you for direct entry to an Engineering degree at Swinburne Sarawak. During your Foundation year, you'll enjoy smaller classes, more academic support and one-on-one time with your lecturers.

The Foundation course is designed to help students develop fundamental academic and communication skills. During the 12-month study duration (720 scheduled contact hours) you will develop skills in communication, information technology and mathematics, and undertake units in physics, chemistry, and mathematics for science and engineering.

Once you have successfully completed the Swinburne Foundation Studies (Engineering/Science), you can progress directly into the first year of a bachelor's degree.

There are four intakes for the Foundation course in 2018. These are in **January, April, September and October**.

Visit www.swinburne.edu.my/study/foundation



Choice Of **ENGINEERING MAJORS**

We believe engineers have the potential to change how we live. Through your chosen specialisation you'll gain the theory and practical skills needed to apply your knowledge to the workplace.

A Swinburne Sarawak engineering course could lead to a career in the building and construction, software, chemical, industrial design, energy or civil infrastructure industries.

Majors

Civil

Gain technical expertise and management skills needed to plan, design, construct and maintain infrastructure such as buildings, bridges, dams, water supply systems, waste treatment systems, road and rail networks, airports and seaports.

Chemical

Gain skills in designing, developing, operating and managing processes and plants that will minimise environmental impact.

Electrical and Electronic

Gain technical expertise in power system design, electronics, control systems, signal processing and embedded systems. Learn how to apply skills and knowledge in the design, construction, operation and maintenance of electronics and electrical energy infrastructure.

Mechanical

Learn the core concepts of mechanics, kinematics, thermodynamics, fluid mechanics and energy. Go beyond the classroom and participate in industry projects and practical workshops.

Robotics and Mechatronics

This course integrates three traditional engineering disciplines – mechanical, electronics and software. Complete units in computer-aided engineering, control systems, electronics, machine dynamics and design, mechatronics systems design and development, programming, project management and structural mechanics.



Swinburne's engineering program have provided me with many hands-on learning opportunities and enriching industry partnerships that will help me become an adaptable and a through engineer while in the field.

Awais Ahmad Bajwa, Pakistan

Bachelor of Engineering (Mechanical) (Honours)

ENGINEERING

Courses

Bachelor of Engineering (Civil) (Honours)

R/526/6/0121 (07/21)

Campus: Sarawak, Hawthorn

Duration: Four years

Intake: Sarawak-February, September, October/

Hawthorn-February, July

2018 Sarawak Tuition Fee:

(M) RM30,104/(I) RM37,576

The Bachelor of Engineering (Civil) (Honours) course provides you with the technical expertise and management skills needed to plan, design, construct and maintain facilities such as buildings, water supply systems, waste treatment systems, road and rail networks. Students will gain comprehensive civil engineering theory as well as hands-on practical work and real life projects to get you job-ready.

Career opportunities

Graduates may seek employment as planners, designers, construction managers, administrators, investigation and research engineers, and consultants with public authorities, municipalities, consulting firms and in the construction industries, or be self-employed. A civil engineering degree is also an excellent preparation for many general managerial positions in business and industry, not directly related to civil engineering.

Course structure

For the completion of the Bachelor of Engineering (Civil) (Honours), students are required to complete a total of 32 units (400 credit points) including nine Technical, three Management and Business Studies units and two compulsory, not-for-credit units.

Units of study

Foundation Studies

- Professional Engineering
- Mechanics of Structures
- Civil Engineering Project
- Sustainable Design
- Materials and Processes
- Structural Mechanics
- Engineering Mathematics 1 and 2
- Energy and Motion

Technical Studies

- Topographical Engineering
- Computer Aided Engineering Civil
- Design of Concrete Structures
- Geomechanics
- Road Engineering
- Urban Water Resources
- Design of Steel Structures
- Transport Engineering
- Fluid Mechanics 1
- Engineering Mathematics 3A

Advanced Engineering

- Geotechnical Engineering
- Structural Design of Low Rise Buildings
- Water and Environmental Engineering
- Infrastructure Design Project
- Final Year Research Project 1 (Civil) and Final Year Research Project 2 (Civil)

Management and Business Studies

- Cost Engineering
- Engineering Management 1 and 2

Elective Units

- 4 Electives

In the final year, students will be required to undertake Capstone units, which helps meet professional accreditation requirements.

Students are required to complete the Professional Experience in Engineering unit, a 12-week approved relevant industrial practical experience before the commencement of the last semester of study.

The completion of Careers in the Curriculum, an innovative unit designed to assist Swinburne students to enhance their employability and career prospects, is also required before commencing Professional Experience in Engineering.

Bachelor of Engineering (Civil) (Honours)/Bachelor of Business

R2/526/6/0024 (10/20)

Campus: Sarawak, Hawthorn

Duration: Five years

Intake: Sarawak-February, September, October/

Hawthorn-February, July

2018 Sarawak Tuition Fee:

(M) RM29,032/(I) RM36,888

The Bachelor of Engineering (Civil) (Honours)/Bachelor of Business double degree course provides you with the technical expertise and management skills needed to plan, design, construct and maintain facilities such as buildings, water supply systems, waste treatment systems, road and rail networks. Students will gain comprehensive civil engineering theory as well as hands-on practical work and real life projects to get you job-ready.

Your business studies will cover a range of core business areas such as accounting, economics, law and innovation. Typically, business studies commence in the third year of the program. The approved business majors are Finance and Management.

Career opportunities

Graduates may seek employment in the civil engineering or business fields, or both, as they have greater advantage and flexibility in the market place compared to those with single discipline degrees.

Course structure

For the completion of the Bachelor of Engineering (Civil)(Honours)/Bachelor of Business, students are required to complete a total of 42 units (500 credit points) including nine Technical Studies units, three Management and Business Studies units and two compulsory, not-for-credit units.

Units of study

Foundation Studies

- Professional Engineering
- Energy and Motion
- Mechanics of Structures
- Civil Engineering Project
- Sustainable Design
- Materials and Processes
- Structural Mechanics
- Engineering Mathematics 1 and 2

Technical Studies

- Topographical Engineering
- Computer Aided Engineering Civil
- Design of Concrete Structures
- Geomechanics
- Road Engineering
- Urban Water Resources
- Design of Steel Structures
- Transport Engineering
- Fluid Mechanics 1
- Engineering Mathematics 3A

Advanced Engineering

- Geotechnical Engineering
- Structural Design of Low Rise Buildings
- Water and Environmental Engineering
- Infrastructure Design Project
- Final Year Research Project 1 (Eng/Bus) and Final Year Research Project 2 (Eng/Bus)

Management and Business Studies

- Cost Engineering
- Engineering Management 1 and 2

Core Business Studies

- Financial Information for Decision Making
- Microeconomics
- Contemporary Issues in Entrepreneurship and Innovation
- Introduction to Business Law

Business Major Study units

For this program, students may complete a major in either Finance or Management at Sarawak Campus.

The first two years of the recommended study sequence are common between the single degree and the double degree. This allows students to make the transition to the double degree with a suitable level of achievements.

In the final year, students will be required to undertake Capstone units, which helps meet professional accreditation requirements.

Students are required to complete the Professional Experience in Engineering unit, a 12-week approved relevant industrial practical experience before the commencement of the last semester of study.

The completion of Careers in the Curriculum, an innovative unit designed to assist Swinburne students to enhance their employability and career prospects, is also required before commencing Professional Experience in Engineering.

Bachelor of Engineering (Chemical) (Honours)

N/524/6/0016 (08/17)

Campus: Sarawak, Hawthorn

Duration: Four years

Intake: Sarawak-February, September, October/

Hawthorn-February, July

2018 Sarawak Tuition Fee:

(M) RM30,104/(I) RM37,576

The Bachelor of Engineering (Chemical) (Honours) degree gives you the knowledge and skills to influence a variety of industrial processes. Chemical engineers are responsible for the design, development, operation and management of the processes and plants with the minimum environmental impact and have sound knowledge of both the engineering and scientific principles underlying these technological processes.

Career opportunities

Graduates may seek employment in the chemical industry, energy production, oil and gas, dairy and food industries, and petrochemical, and be employed as designers and advisers for engineering projects, in engineering consultancies, environmental agencies and government departments.

Course structure

For the completion of the Bachelor of Engineering (Chemical) (Honours), students must complete a total of 32 units (400 credit units) including 11 Technical units, five Design units and two Management and Business units, and two compulsory, not-for-credit units.

Units of study

Core units

- Engineering Materials
- Energy and Motion
- Engineering Mathematics 1 and 2
- Engineering Management 1 and 2
- Final Year Research Project 1 (Chemical) and Final Year Research Project 2 (Chemical)

Technical Studies

- Chemical Engineering Thermodynamics
- Fluid Mechanics C
- Engineering Mathematics 3A
- Introduction to Chemical Engineering Design
- Transport Phenomena
- Reaction Engineering
- Process Heat Transfer
- Process Modelling
- Process Mass Transfer
- Process Control and Measurements
- Process Plant Design

Other Studies

- Chemistry 1 and 2
- Computer Aided Engineering Mechanical
- Electronics System
- Engineering Project
- Engineering Sustainability
- Fluid and Particle Processes
- Materials and Processes
- Professional Engineering
- 4 Elective units

Students will undertake two Final Year Research Project units (capstone experiences) which helps meet professional accreditation requirements.

Students are required to complete the Professional Experience in Engineering unit, a 12-week approved relevant industrial practical experience before the commencement of the last semester of study.

The completion of Careers in the Curriculum, an innovative unit designed to assist Swinburne students to enhance their employability and career prospects, is also required before commencing Professional Experience in Engineering.

Bachelor of Engineering (Electrical and Electronic) (Honours)

R/522/6/0228 (09/20)

Campus: Sarawak, Hawthorn

Duration: Four years

Intake: Sarawak-February, September, October/

Hawthorn-February, July

2018 Sarawak Tuition Fee:

(M) RM30,104/(I) RM37,576

The Bachelor of Engineering (Electrical and Electronic) (Honours) course helps you develop a mastery of the basic engineering principles underlying electrical and electronic engineering by developing students' abilities to analyse, identify, formulate and generate specific solutions in the broad field of electrical and electronic engineering.

Career opportunities

Graduates can seek employment in the automotive, robotics, aerospace, power industry, electronic appliances industries as design engineer, project planner, product designer and project manager.

Course structure

For the completion of Bachelor of Engineering (Electrical and Electronic) (Honours), students are required to complete a total of 32 units (400 credit points) including 16 Electrical and Power System major and two compulsory, not-for-credit units.

Units of study

Foundation Studies

- Introduction to Programming
- Electronics Systems
- Engineering Mathematics 1 and 2
- Energy and Motion
- Technical Software Development
- Professional Skills – Electrical Engineering
- Networks and Switching

Technical Studies

- Digital Electronics Design
- Circuits and Systems
- Embedded Microcontrollers
- Analogue Electronics 1 and 2
- Electrical Machines
- Electrical Power Systems
- Digital Signal Processing
- Engineering Mathematics 3B
- Control and Automation
- Communications Principals

Advanced Engineering

- Electromagnetic Waves
- Control and Automation
- Integrated Design Project
- Integrated Circuit Design
- Power Electronics
- Power System Operation and Control
- Final Year Research Project 1 (BEET) and Final Year Research Project 2 (BEET)

Business and Management Studies

- Engineering Management 1 and 2

In the final year, students will be required to undertake Capstone units, which helps meet professional accreditation requirements.

Students are required to complete the Professional Experience in Engineering unit, a 12-week approved relevant industrial practical experience before the commencement of the last semester of study.

The completion of Careers in the Curriculum, an innovative unit designed to assist Swinburne students to enhance their employability and career prospects, is also required before commencing Professional Experience in Engineering.

Bachelor of Engineering (Mechanical) (Honours)

R/521/6/0098 (09/20)

Campus: Sarawak, Hawthorn

Duration: Four years

Intake: Sarawak-February, September, October/

Hawthorn-February, July

2018 Sarawak Tuition Fee:

(M) RM30,104/(I) RM37,576

The Bachelor of Engineering (Mechanical) (Honours) course gives you the analytical and scientific expertise and management skills to design mechanical systems and manage teams in a broad range of applications. In the final years, you will be involved with industry-based projects and practical laboratories to prepare you to be job-ready.

Career opportunities

Graduates may seek employment in a variety of areas in industry and commerce, such as automotive, aviation, transport, power, manufacturing, materials processing, mining and raw material conversion as a mechanical designer and developer, project manager, researcher and in engineering management and quality control.

Course structure

For the completion of the Bachelor of Engineering (Mechanical) (Honours), students are required to complete a total of 32 units (400 credit points) including 12 Technical Studies, two Management and Business studies units and two compulsory, not-for-credit units.

Units of study

Foundation Studies

- Materials and Processes
- Energy and Motion
- Engineering Mathematics 1 and 2
- Mechanics of Structures
- Robotics and Mechatronics Project 1 and Project 2
- Electronics Systems

Technical Studies

- Engineering Mathematics 3A and 4A
- Thermodynamics 1
- Fluid Mechanics 1
- Computer Aided Engineering Mechanical
- Structural Mechanics
- Machine Dynamics 1
- Materials and Manufacturing 1 and 2
- Machine Design
- Control Engineering
- Solid Mechanics

Advanced Engineering

- Thermodynamics 2
- Mechanical Systems Design
- Final Year Research Project 1 (Mechanical) and Final Year Research Project 2 (Mechanical)
- Machine Dynamics 2
- Fluid Mechanics 2

Management and Business Studies

- Engineering Management 1 and 2

Electives

- 4 Elective Units

In the final year, students will be required to undertake Capstone units, which helps meet professional accreditation requirements.

Students are required to complete the Professional Experience in Engineering unit, a 12-week approved relevant industrial practical experience before the commencement of the last semester of study.

The completion of Careers in the Curriculum, an innovative unit designed to assist Swinburne students to enhance their employability and career prospects, is also required before commencing Professional Experience in Engineering.

Bachelor of Engineering (Mechanical) (Honours) / Bachelor of Business

R/521/6/0140 (10/20)

Campus: Sarawak, Hawthorn

Duration: Five years

Intake: Sarawak-February, September, October/

Hawthorn-February, July

2018 Sarawak Tuition Fee:

(M) RM29,032/(I) RM36,888

The Bachelor of Engineering (Mechanical) (Honours)/Bachelor of Business double degree provides you with analytical and scientific expertise and management skills to design mechanical systems and manage teams in a broad range of applications. Your business studies will cover a broad range of core business areas, giving you a competitive edge in the workforce and expand your opportunities into future management roles.

Career opportunities

Graduates may seek employment in the civil engineering or business fields, or both, as they have greater advantage and flexibility in the market place compared to those with single discipline degrees.

Course structure

For the completion of the Bachelor of Engineering (Mechanical)(Honours)/ Bachelor of Business, students are required to complete a total of 40 units (500 credit points) including 12 Technical Studies units, two Management and Business Studies units and two compulsory, not-for-credit units.

Units of study

Foundation Studies

- Materials and Processes
- Energy and Motion
- Engineering Mathematics 1 and 2
- Mechanics of Structures
- Robotics and Mechatronics Project 1 and Project 2
- Electronics Systems

Technical Studies

- Engineering Mathematics 3A and 4A
- Thermodynamics 1
- Fluid Mechanics 1
- Computer Aided Engineering Mechanical
- Structural Mechanics
- Machine Dynamics 1
- Materials and Manufacturing 1 and 2
- Machine Design
- Control Engineering
- Solid Mechanics

Advanced Engineering

- Thermodynamics 2
- Machine Dynamics 2
- Final Year Research Project 1 (Eng/Bus) and Final Year Research Project 2(Eng/Bus)
- Fluid Mechanics 2
- Mechanical Systems Design

Management and Business Studies

- Engineering Management 1 and 2
- 12 Business Studies Units

The first two years of the recommended study sequence are common between the single degree and the double degree. This allows students to make the transition to the double degree with a suitable level of achievements.

In the final year, students will be required to undertake Capstone units, which helps meet professional accreditation requirements.

Students are required to complete the Professional Experience in Engineering unit, a 12-week approved relevant industrial practical experience before the commencement of the last semester of study.

The completion of Careers in the Curriculum, an innovative unit designed to assist Swinburne students to enhance their employability and career prospects, is also required before commencing Professional Experience in Engineering.

Bachelor of Engineering (Robotics and Mechatronics) (Honours)

R/523/6/0106 (09/20)

Campus: Sarawak, Hawthorn

Duration: Four years

Intake: Sarawak-January, February, September, October /

Hawthorn-February, July

2018 Sarawak Tuition Fee:

(M) RM30,104/(I) RM37,576

The Bachelor of Engineering (Robotics and Mechatronics) (Honours) course prepares you to cross the traditional boundaries between mechanical systems, machines, computer hardware and software, control and electronic design. You can choose to focus your career in any one of these fields. One such field of growth is robotic systems and mechatronics, encompassing automated assembly plants, smart systems and autonomous vehicles.

Career opportunities

Graduates may seek employment as systems maintenance and design engineer, product planner, product designer or project manager in a range of industries including robotics, aerospace, chemical, defense, automotive, manufacturing, industrial research and the oil and gas sector.

Course structure

For completion of the Bachelor of Engineering (Robotics and Mechatronics) (Honours), students are required to complete a total of 32 units (400 credit points) including seven Technical Studies, two Management and Business Studies and two compulsory, not-for-credit units.

Units of Study

Foundation Studies

- Materials and Processes
- Energy and Motion
- Engineering Mathematics 1 and 2
- Mechanics of Structures
- Robotics and Mechatronics 1 and 2
- Electronics Systems

Technical Studies

- Engineering Mathematics 3A
- Circuits and Electronics 1
- Digital Electronics Design
- Introduction to Programming
- Machine Dynamics 1 and 2
- Electrical Actuators and Sensors
- Structural Mechanics
- Embedded Microcontrollers
- Machine Design
- Control and Automation
- Robotic Control
- Mechatronics Systems Design

Advanced Engineering

- Final Year Research Project 1 (R&M) and Final Year Research Project 2 (R&M)
- Robot System Design
- Object-Oriented Programming
- Digital Signal and Image Processing

Management and Business Studies

- Engineering Management 1 and 2

Electives

- 4 Elective units

In the final year, students will be required to undertake Capstone units, which helps meet professional accreditation requirements.

Students are required to complete the Professional Experience in Engineering unit, a 12-week approved relevant industrial practical experience before the commencement of the last semester of study.

The completion of Careers in the Curriculum, an innovative unit designed to assist Swinburne students to enhance their employability and career prospects, is also required before commencing Professional Experience in Engineering.

Bachelor of Engineering (Robotics and Mechatronics) / Bachelor of Computer Science

R/523/6/0283 (10/20)

Campus: Sarawak, Hawthorn

Duration: Five years

Intake: Sarawak-February, September,
October /

Hawthorn-February, July

2018 Sarawak Tuition Fee:

(M) RM29,032 / (I) RM36,892

The Bachelor of Engineering (Robotics and Mechatronics)(Honours)/Bachelor of Computer Science course provides you with a focus on the application of advanced computing techniques on the design and operation of robotic and mechatronic systems. It combines mechanical engineering, electrical engineering and electronic and software engineering in the design, development and control of diverse systems used in the manufacturing, medicine and the service industries. You will have extensive skills in integrating engineering with software development, particularly relating to multidisciplinary projects, and will have developed experience in working on team projects.

Career opportunities

Graduates may seek employment in a wide spectrum of industries including robotics, automation, aerospace, chemical, defence, automotive and manufacturing where complex software plays a major role, as well as in businesses that require extensive computer support, such as banking and commerce. Roles may include design engineer, systems maintenance and design engineer, software engineer, project planner, product designer and project manager.

Course structure

For the completion of the Bachelor of Engineering (Robotics and Mechatronics) (Honours)/Bachelor of Computer Science, students are required to complete a total of 40 units (500 credit points) including 17 Technical Studies units, two Management and Business Studies and two compulsory, not-for-credit units

Units of study

Foundation Studies

- Materials and Processes
- Energy and Motion
- Engineering Mathematics 1 and 2
- Structural Mechanics
- Robotics and Mechatronics 1 and 2
- Electronic Systems

Technical Studies

- Engineering Mathematics 3A
- Circuit and Electronics 1
- Digital Electronics Design
- Technical Software Development
- Fundamentals of Data Management
- Electrical Actuators and Sensors
- Embedded Microcontrollers
- Machine Design
- User Centred Design
- Control and Automation
- Object-Oriented Programming
- Machine Dynamics 1
- Mechatronics Systems Design
- Creating Web Applications
- Development Project 1–Tools and Practices

Advanced Engineering

- Final Year Research Project 1 and Final Year Research Project 2
- Robotic Control
- Machine Dynamics 2
- Robot System Design
- Digital Signal and Image Processing

Computer Science

- Software Engineering Project A and Project B
- Software Deployment and Evolution
- Professional Issues in Information Technology
- Creating Secure and Scalable Software
- Development Project 2–Design, Planning and Management
- Software Development for Mobile Devices
- Data Structures and Patterns
- Interface Design and Development

Management and Business Studies

- Engineering Management 1 and 2

The first two years of the recommended study sequence are common between the single degree and the double degree. This allows students to make the transition to the double degree with a suitable level of achievements.

In the final year, students will be required to undertake Capstone units, which helps meet professional accreditation requirements.

Students are required to complete the Professional Experience in Engineering unit, a 12-week approved relevant industrial practical experience before the commencement of the last semester of study.

The completion of Careers in the Curriculum, an innovative unit designed to assist Swinburne students to enhance their employability and career prospects, is also required before commencing Professional Experience in Engineering.

Swinburne Advantage

COMPUTING

At Swinburne, we enhance your understanding of technology in order to help solve high-tech problems.

Professional Recognition

Swinburne's Computing degrees are accredited at the professional level with the Australian Computer Society. The course has been externally vetted by ACS, ensuring it meets the highest standard of the profession and the industry.

Finding the right course

An IT course could be right for you if your interests include:

- developing software programs, models and processes to solve problems
- software development for mobile or web applications
- creating innovative technology
- coming up with creative solutions to problems
- guiding business decisions through analytics.

Swinburne Foundation Studies (IT/Multimedia)

The Swinburne Foundation Studies (Information Technology/Multimedia) course prepares students for further studies in IT and multimedia-related fields, such as information systems and multimedia integration. Students will develop fundamental communication, mathematics and multimedia design skills, and be introduced to areas of computer programming.

Once you have successfully completed the Swinburne Foundation Studies (Information Technology/Multimedia), you can progress directly into the first year of your computing degree.

There are four intakes for the Foundation course in 2018. These are in **January, April, September and October**.

Visit www.swinburne.edu.my/study/foundation

Pathway to Swinburne Australia

Swinburne Sarawak provides pathway options for its Bachelor of Information and Communication Technology, and Bachelor of Computer Science students to complete their undergraduate degree in Swinburne Australia. Student who meet the Swinburne Melbourne's faculty entry requirements may apply for entry to those faculties.

Majors available in Swinburne Australia are:

- **Information and Communication Technology:** Business Systems, System Analysis and System Management
- **Computer Science:** Cybersecurity, Data Science, Game Development, Network Design and Software Design.

Accredited Program



Choice Of **COMPUTING MAJORS**

We believe it's essential to be technologically savvy in a world where technology is so much a part of daily life.

Our information and communication technologies courses take you on an exploration of the ICT field. We provide the foundational knowledge and industry skills you need to apply information and communication technologies /ICT to a range of settings. An information and communication technologies course could lead to a future in health, transport, finance, media, manufacturing, automotive and beyond.

Majors

Software Development major

Learn how to architect big systems, write phone and tablet apps and produce software that is better than industry standard. Then scale your applications up to the cloud for hacker-proof, robust and reliable software applications.

Cybersecurity major

Learn the fundamentals of encryption systems, access control, the internet and get into the minds of malicious hackers and cyber-criminals. Learn their tricks and how to defeat them.

Internet of Things major

This major invites students to gain the core programming skills needed to program devices and develop software solutions. Learn to problem-solve through analysing data from internet-connected devices.


Network Technology major

Specialise in the networking aspect of ICT infrastructure. Gain four CISCO certifications.

Software Technology major

Learn how to enhance and maintain existing applications and assist in the choice of software for the needs of an organisation.





The ICT program certainly provided me with a solid base for my career especially when it encompasses industry-related skills that would definitely prepare me for the industry.

Ang Say Jian, Malaysia

**Bachelor of Information and
Communication Technology**

Bachelor of Computer Science

R/481/6/0544 (09/20)

Campus: Sarawak, Hawthorn

Duration: Three years

Intake: Sarawak-February, September, October/

Hawthorn-February, July

2018 Sarawak Tuition Fee:

(M) RM22,448/(I) RM29,216

The Bachelor of Computer Science involves the use of the most up-to-date technology and methods, and includes a major emphasis on software development. The course is oriented towards applications in areas such as defence, aerospace and medicine, where complex software plays a major role and often of a safety-critical nature; as well as in businesses that require extensive computer support, such as banking and manufacturing.

Career opportunities

Graduates typically find employment in organisations engaged in medium- to large-scale software development. Initially graduates are usually employed in technical areas such as programming and systems analysis and design, internet systems development. They are well-prepared for progression into project leadership and management positions as their experience develops.

Course structure

For the completion of the Bachelor of Computer Science, students are required to complete a total of 24 units (300 credit points) including 16 Computer Science core units and a compulsory, not-for-credit unit.

Units of study

Software Development major

- Computer and Logic Essentials
- Introduction to Programming
- Creating Web Applications
- Networks and Switching
- Fundamentals of Data Management
- User-Centred Design
- Object-Oriented Programming
- Development Project 1 and Project 2
- Data Structures and Patterns
- Software Development for Mobile Devices
- Creating Secure and Scalable Software
- Interface Design and Development
- Professional Issues in Information Technology
- Software Engineering Project A and Project B
- 8 units in other studies

Cybersecurity major

- Computer and Logic Essentials
- Introduction to Programming
- Creating Web Applications
- Networks and Switching
- Fundamentals of Data Management
- Technical Software Development

- Network Routing Principles
- IT Security
- eForensic Fundamentals
- Information Systems Risk and Security
- Information Technology Project Management
- Network Security & Resilience
- Secure Remote Access Networks
- Professional Issues in Information Technology
- Software Engineering Project A and Project B
- 8 units in other studies

Internet of Things major

- Computer and Logic Essentials
- Introduction to Programming
- Creating Web Applications
- Networks and Switching
- Fundamentals of Data Management
- Foundations of Statistics
- Object-Oriented Programming
- Cloud Computing Architecture
- IT Security
- Software Development for Mobile Devices
- Information Technology Project Management
- IoT Programming
- IoT Launcher Project
- Professional Issues in Information Technology
- Software Engineering Project A and Project B
- 8 units in other studies

Bachelor of Information and Communication Technology

R/481/6/0228 (08/21)

Campus: Sarawak, Hawthorn

Duration: Three years

Intake: Sarawak-February, September, October/

Hawthorn-February, July

2018 Sarawak Tuition Fee:

(M) RM22,448 / (I) RM29,216

The Bachelor of Information and Communication Technology provides you with the knowledge and skills to be an information and communication technology professional, with particular skills in a chosen area. The course focuses on computer and network configurations, web and application programming, and database design and maintenance. You will also have the opportunity to specialise in a particular aspect of ICT-related work.

Career opportunities

Graduates may seek employment in enterprise systems application, multimedia development, systems architecture, data warehouse architecture and data mining specialist.

Course structure

For the completion of the Bachelor of Information and Communication Technology, students are required to complete a total of 24 units (300 credit points) including eight Technical Studies and a compulsory, not-for-credit unit.

Units of study

Software Technology major

- Problem Solving with ICT
- Creating Web Applications
- Introduction to Business Information Systems
- Database Analysis and Design
- Introduction to Programming
- User Centred Design
- Network Administration
- Operating System Configuration
- Development Project 1-Tools and Practices
- Object Oriented Programming
- IT Security
- Interface Design and Development
- Software Development for Mobile Devices
- Information Technology Project Management
- Professional Issues in Information Technology
- IT Project
- 8 units in other studies

Network Technology major

- Problem Solving with ICT
- Creating Web Applications
- Introduction to Business Information Systems
- Database Analysis and Design
- Introduction to Programming
- User Centred Design
- Network Administration
- Operating System Configuration
- IT Security
- Information Technology Project Management
- Professional Issues in Information Technology
- IT Project
- Networks and Switching
- Network Routing Principles
- Enterprise Network Server Administration
- Web Application Development
- 8 units in other studies

Work integrated learning

Swinburne's Work Integrated Learning program provides opportunities to gain invaluable skills and confidence in knowing that you have what it takes to land a job in your field by graduation. You can also earn credit towards your degree. Choose from six- or 12-month professional placements, professional internships, industry linked projects, industry study tours and accreditation placements.

Swinburne Advantage **SCIENCE**

Discovery begins with putting natural curiosity into practice.

Professional Recognition

Our science course is recognised by leading industry organisations. Graduates may be eligible for membership of a number of organisations relevant to their major area of study, including the Australian Biotechnology Association, The Australian Society for Biotechnology and Molecular Biology, Australian Society for Microbiology and the Royal Australian Chemical Institute.

Finding the right course

A science course could be right for you if your interests include:

- biology, chemistry, environmental health, mathematics and statistics, or physics
- subjects and arguments based on reason and analysis
- discovering through inquiry and observation
- solving problems through experimentation

Swinburne Foundation Studies (Engineering/Science)

Our Swinburne Foundation Studies (Engineering/Science) is designed to prepare you for direct entry to an Engineering degree at Swinburne Sarawak.

The Foundation course is designed to help students develop skills in communication, information technology and mathematics, and undertake units in physics, chemistry, and mathematics for science and engineering.

Once you have successfully completed the Swinburne Foundation Studies (Engineering/Science), you can progress directly into the first year of a science degree.

There are four intakes for the Foundation course in 2018. These are in **January, April, September and October**

Visit www.swinburne.edu.my/study/foundation

Pathway to Swinburne Australia

Swinburne Sarawak provides pathway options for Bachelor of Science (Biotechnology) students to complete their undergraduate degree in Swinburne Australia. Majors available in Swinburne Australia are:

- Applied Mathematics
- Biochemistry
- Chemistry
- Environmental Science

Choice Of **SCIENCE MAJOR**

We understand scientific and technological knowledge is advancing at an unprecedented rate, enabling us to better understand the world around us.

Our science degree takes you on a journey of discovery and innovation. We place a strong emphasis on practical learning to give you a head start in your future career. Solving global health and environmental problems and making discoveries in our state-of-the-art laboratories are only the beginning of the industry learning we provide.

Majors

Biotechnology

Examine the fundamental sciences that underpin biotechnology – chemistry, biochemistry and microbiology – while investigating the application of biotechnology to areas such as business, ethics and environmental science.





Swinburne Sarawak's biotechnology programme undoubtedly sticks to the university's motto of 'Turning knowing into know-how', as I was exposed to copious amount of lab-work throughout the three years which definitely made me industry-ready.

Melissa Kilus, Malaysia

Bachelor of Science (Biotechnology)

Bachelor of Science (Biotechnology)

R/545/6/0060 (06/20)

Campus: Sarawak, Hawthorn

Duration: Three years

Intake: Sarawak-January, February,
September, October/

Hawthorn-February, July

2018 Tuition Fee:

(M) RM30,368/(I) RM39,640

The Bachelor of Science (Biotechnology) course guides you in examining the fundamental sciences that underpin biotechnology – chemistry, biochemistry, and microbiology – while investigating the application of biotechnology to areas such as business, ethics and environmental science. This professional major also provides flexible study options that allow students to take minors and/or electives studies in chemistry or environmental science or other areas such as business, information technology and designs.

Career opportunities

Graduates may seek employment in environmental or biomolecular research, clinical biochemistry, food or beverage production, agricultural biochemistry, fermentation technology, waste treatment and biodegradation. It also provides pathways into honours, master and PhD degrees.

Course structure

For the completion of Bachelor of Science (Biotechnology), students are required to complete a total of 24 units (300 credit points) including four Biotechnology Introductory Studies, eight Biotechnology Major and four Biotechnology Specialist Studies as well as one compulsory, not-for-credit unit.

Units of Study

- Chemistry 1 or Introduction to Chemistry*
- Concepts of Biology
- Introduction to e-Science
- Foundation Mathematics or Introduction to Statistics or Engineering Mathematics 1
- The Microbial World
- Research Skills in Science
- Introduction to Biochemistry
- Chemistry 2
- Concepts of Biotechnology
- Microbes in the Environment
- Biochemistry of Genes and Proteins
- Communication for Scientists
- Environmental Biology
- Molecular Biotechnology
- Biotechnology Research Project
- Advanced Biochemistry
- 8 Secondary Studies units

Minors and electives available in Sarawak in the Bachelor of Science (Biotechnology) course.

*For students from other courses or faculty

Biological Science minor*

- Concepts of Biology
- The Microbial World
- Concepts of Biotechnology
- Microbes in the Environment

Chemistry minor*

- Chemistry 1
- Chemistry 2
- Consumer Chemistry
- Analytical and Forensic Chemistry

Science Electives

- Aquatic Biotechnology
- Natural Products
- Industrial Microbiology
- Project Development and Evaluation
- Food Science
- Consumer Chemistry
- Analytical and Forensic Chemistry
- Communicable Disease Control
- Water Science

Other recommended electives

- Introduction to Programming
- Energy and Motion
- Fundamentals of Marketing
- Organisation and Management

How To **APPLY**

Follow these steps carefully to ensure your application is processed properly.

If you need help with your application, email our education counsellors at study@swinburne.edu.my
You can also speak with a registered Swinburne representative in your home country.

1

Choose the course that suits your interests and career goals

- Visit www.swinburne.edu.my/courses
- Collect any documents you may require to apply to receive credit for previous study and/or experience.

2

Complete the application form

- Apply online <https://www.swinburne.edu.my/online-application-form> or you may download and complete the Application for Admission form <https://www.swinburne.edu.my/study/study-options/how-to-apply.php>
- Read the application form carefully, complete all relevant fields and provide all of the required documents so we can assess your application
- Complete the credit transfer section on the form if you wish to apply for credit
- Sign the declaration.

3

Attach additional required documents (if applicable) to your application form

These documents include:

- certified academic transcripts with grading system
- certified copies of all your academic transcripts (with grading system) and testamurs. If your documentation is in a language other than English, an official certified translation must be provided
- details of work experience, if applicable.
- certified copies of English proficiency test results (IELTS/TOEFL test scores or equivalent), if applicable
- program or unit (subject) syllabus outlines if applying for credit transfer. Refer to Section E of the application form on other required documents.

4

Submit your application form and required documents

You can send your completed application form along with relevant documents to your registered Swinburne Sarawak representative or send it directly to Swinburne Sarawak at:

Marketing & Student Recruitment
Swinburne University of Technology Sarawak Campus
Jalan Simpang Tiga, 93350 Kuching, Sarawak
MALAYSIA
Email: study@swinburne.edu.my

5

Receive your offer via email

Swinburne will assess your application. If you are successful you will receive a Letter of Offer via email.

The offer letter will indicate:

- the course you have been offered
- the annual tuition fee
- the course commencement date
- the duration of the course
- the deposit to be paid
- any conditions to the offer
- any additional information relevant to your course.

Visit www.swinburne.edu.my/accept to find out how to accept your offer.

Note: If you receive a conditional offer, you will be required to meet the condition(s) outlined in your offer letter.

Other INFORMATION

Applying for Credit

What is Credit?

Credit transfer is the granting of recognition for previous study and/or experience, in the form of exemption from certain course requirements. This term tends to be used interchangeably in Australian universities with the terms Recognition of Prior Learning (RPL), exemptions, advanced standing and/or status.

How to apply for Credit

Submit a course or unit (subject) syllabus with your application for admission. Your application will be assessed and if successful you will receive advice in your Letter of Offer.

If the credit is conditional, you must provide evidence that you have satisfactorily met the condition(s) prior to or at the time of accepting your offer. The course duration shown in your Letter of Offer will reflect the amount of credit granted.

If you do not request assessment of credit when you submit your application, you must request assessment within two weeks of commencing the program. Applications made after this time may not be approved. All application must be approved by your faculty.

Accepting your offer

If your application is successful, you will be made an offer. The offer will include:

- the course you have been offered
- commencement, enrolment and orientation date
- the tuition fee deposit payable which includes:
 - for International students: medical insurance, processing fee and security deposit
 - for Malaysian students: application fee
- the conditions attached to the offer
- any additional information relevant to your course.

To accept your Swinburne Sarawak offer, you are required to make payment of fees stated in the offer letter.

Payment

Please refer to the Offer Acceptance Form for the mode of payment and banking details.

Payment, preferably by bank draft or cheque, is to be made payable to **Swinburne Sarawak Sdn Bhd.**

Payment can also be made by credit card or telegraphic transfer. Please provide a copy of the transaction slip to the Marketing and Student Recruitment Division.

Applying for student Visa (for International students)

Once the required documents and payment have been received, and your application for enrolment into Swinburne Sarawak is accepted, the University will apply for your visa (Student Pass) with the Malaysian Immigration Department on your behalf.

You will have to wait for the Visa Approval Letter which Swinburne Sarawak will courier to you.

With the Visa Approval Letter in hand, you are to proceed to the Malaysian Embassy or consulate as indicated in the letter to obtain a Single Entry Visa with Reference into Malaysia. At this stage, you can also start making your travel arrangements.

After arriving at Swinburne Sarawak, you will be required to undergo a final medical test (no additional charge required).

Your passport and medical result will then be submitted to the Malaysian Immigration Department for conversion into a Student Pass (subject to final medical clearance), with the total duration depending on your program duration and your passport validity. This conversion will be done by the Student Visa Assistant of the University.

For more information, please contact the Marketing and Student Recruitment Division at Swinburne Sarawak.

Student responsibilities

Students of Swinburne University of Technology Sarawak Campus are responsible for complying with the rules, regulations, policies and procedures contained in this publication as well as those in other official University publications and announcements.

This information is related to the University's jurisdiction over student behaviour, academic and non-academic violations, and potential sanctions when a violation occurs.

Academic violations include allegations of cheating, plagiarism, or aiding another to cheat or plagiarise. Non-academic violations include rules concerning alcohol, drugs, infliction or threat of bodily harm, vandalism, disorderly conduct, sexual and racial harassment, sexual assault, and more.

Students are encouraged to read and understand the responsibilities of being a Swinburne Sarawak student. Learn more: www.swinburne.edu.my/successful-students-guidelines

● FURTHER INFORMATION

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The information contained in this course guide was correct at the time of publication, January 2018.
The university reserves the right to alter or amend the material contained in this guide.

For most up-to-date course information please visit our website.

