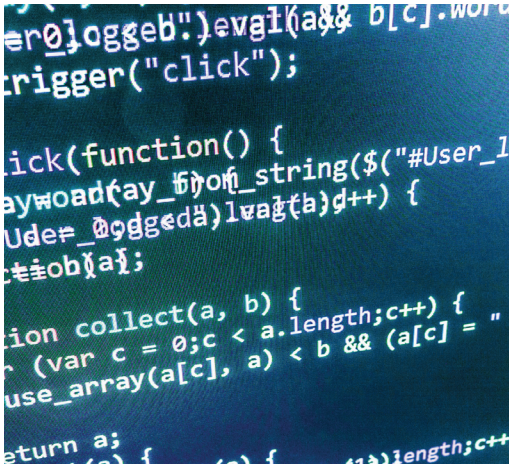
SWINBURNE UNIVERSITY OF TECHNOLOGY



Bachelor of Engineering (Honours) (Software)

N/481/6/0836 MQA/PSA15080

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Swinburne University of Technology Sarawak Campus, Malaysia

Be Work-Ready

Designed to equip students with technical expertise and management skills in the engineering field of their choice, the Bachelor Of Engineering (Honours) (Software) also provides students with technical expertise in designing and developing software, and in planning, managing and operating of complex software systems.

Accredited by Engineers Australia, this degree qualifies students to undertake professional software engineering work or pathway for future learning at masters or PHD levels.

Students will also be equipped with professional knowledge and skills in creating stand-alone, mobile, networked, and web-based software solutions for a full-spectrum of domains.

Entry requirements

- A pass in STPM with a minimum of grade C (GPA 2.00) including STPM Mathematics and any Physical Science subject; or
- A pass in Unified Examination Certificate (UEC) with Grade B in five (5) subjects including Mathematics and any Physical Science subject; or
- A pass in Foundation in Engineering with minimum CGPA 2.5; or
- Any equivalent qualification

English entry requirements

- IELTS 6.0 (no individual band below 6.0)
- TOEFL (Internet based) of 64 (Reading no less than 13; Writing no less than 20)

Duration of study

- 4 years

Tuition Fees (Annual)

- RM33,520 (Local)
- RM42,440 (International)

Scholarship and Financial Assistance

We have a range of scholarships and bursaries that recognises your academic achievement, community service and financial hardship. If you've excelled in your previous study, you may be awarded one of our many scholarships and bursaries. Doing well in your studies while with us will also ensure you're rewarded pathway scholarship for your next level of study.

Units of Study

Core Units

- ENG10001 Engineering, Design and Innovation
- PHY10001 Energy and Motion
- ENG10002 Engineering Materials
- MTH10012 Calculus and Applications
- ENG10004 Digital and Data Systems
- ENG10003 Mechanics of Structures
- PHY10004 Electronics and Electromagnetism
- MTH10013 Linear Algebra and Applications
- MTH20010 Mathematics 3A
- MME30001 Engineering Management 1
- ENG40001 Final Year Research Project 1
- ENG40002 Final Year Research Project 2

Major Units

- SWE20004 Technical Software Development
- EEE20001 Digital Electronics Design
- COS20001 User-Centred Design
- EEE20003 Embedded Microcontrollers
- COS20007 Object-Oriented Programming
- COS20015 Fundamentals of Data Management
- SWE20001 Project 1 - Development Tools and Practices
- EEE40002 Integrated Circuit Design
- COS30008 Data Structures and Patterns
- COS10011 Creating Web Applications
- SWE30009 Software Testing and Reliability
- SWE30001 Real-Time Programming
- EEE40014 Hardware-Software Codesign
- SWE30003 Software Architectures and Design
- SWE30004 Software Deployment and Evolution
- EEE40013 Computer Architecture

Electives

- Four (4) units in other studies

EA* ACCREDITED
Globally recognised accreditation that prepares you for professional practice
**Engineers Australia*

Be In Demand
A software engineering degree can be used in various IT and web-based career

High Salary**
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