

BACHELOR OF SCIENCE WITH HONOURS IN COMPUTING 3+0

in collaboration with



The course has been designed to provide you with the key knowledge and skills required to find employment in a wide range of technology related areas – from systems analysis and programming to internet and mobile application development and user experience design. Our focus on professional skills and portfolio development, alongside project management and team working skills, give you the optimum mix of professional qualities to make you highly sought after to future employers

Our degree programme will equip you with competent IT skills that enable you to become highly qualified professionals who think creatively and independently to meet the challenges of changing technologies.



Committed to quality with Coventry University

Note: Programme structure is subject to change.

* For Malaysian students who do not have a credit in SPM BM.

** For offering of optional modules, please consult the Head of Programme.

WHAT WILL I LEARN

A computing graduate will expect to learn the key topics of interest within the computing industry, including programming, designing for usability, web and mobile technologies, systems analysis and application development methodologies. Each of these topics will have a practical focus, designed to teach you how to apply the latest technologies to a wide range of modern day issues.

The first year of study will cover the fundamentals of computing and computer principles including mathematics, programming, computer architecture, usability and information systems. These fundamentals can then be applied to larger scoped problems within the computing discipline in Year 2.

In your final year, you will have the opportunity to specialise your degree by choosing from a selection of optional modules. This will enable you to shape your learning to the career you envisage and allow you to study topics you are interested in.

Career opportunities

Programmer, Web Developer, User Experience Specialist, IT Business Analyst, Data Warehouse Manager, Information System Administrator, System Analyst, Full Stack Developer and IT Consultant

Highlights

- You will be exposed to employer projects with collaboration from our industry partners
- Gain international and industry exposure through visiting guest lectures and industry experts
- Opportunities to exchange ideas, interact and build networks through study tours or field trips
- A focus on professional development combining academic teaching and industry practice, and supported by mentorship and coaching by IT industry experts
- A comprehensive learning experience with a mix of face-to-face and online support learning through Canvas, with access to course materials, assignments and faculty members
- The Add+vantage module helps in developing and enhancing students' employability, and delivering a serious competitive advantage in the jobs market

Duration

3 Years

Offered at

INTI International College Penang
(R/481/6/0676)(08/25)(MQA/FA6483)

INTAKES: JAN

Programme Structure

Year 1

- Programming and Algorithms
- Software Design
- Mathematics for Computer Science
- Computing ALL Project 1
- Object Oriented Programming
- Computer Architecture and Networks
- Computing ALL Project 2
- Database Systems

Year 2

- Enterprise Project
- People and Computing
- Programming for Developers
- Data Science for Developers
- Software Development
- Web Development

Year 3

- Individual Project
- Security
- Professional Training
- Web API Development
- User Experience Design

Electives (Choose 1)

- Mobile Application Development
- Open Source Development

Add+vantage Modules:

- Smart Phone Apps : From Concept to Design and Market
- Android Development Skills
- Hi-Tech Entrepreneurship / Events Project Management

MPU subjects

- Appreciation of Ethics and Civilisation (Local students) / Malay Communication 2 (International students)
- Philosophy and Current Issues
- Bahasa Kebangsaan A*/ Design Thinking
- Corporate Social Responsibility and Community Engagement
- Integrity and Anti-Corruption

ENTRY REQUIREMENTS

Year 1 Entry

Foundation / Matriculation:

Successful completion of the Foundation / Matriculation programme that is approved by the Ministry of Higher Education with CGPA 2.0 and credit in Mathematics in SPM or equivalent

STPM:

A pass in STPM with a minimum grade of C (CGPA 2.00) in any TWO (2) subjects or any equivalent qualification;

AND a credit in:

- Additional Mathematics at SPM level or its equivalent; OR
- Mathematics and any one of the Science, Technology or Engineering subjects at SPM level or its equivalent.

UEC:

Passes with at least B in 5 subjects (including English and Mathematics)

A-Level:

Passed A-Level with passes in 2 subjects with credit in Mathematics in O-Level or equivalent

Canadian Pre-U or Ontario Secondary Diploma:

Passed with average marks of 55 inclusive of Mathematics

Australian Year 12:

Passed Australian Year 12 with average of 55 and credit in Mathematics in SPM or equivalent

South Australian Matriculation (SAM): Passed 5 subjects with minimum TER score of 55 or an average of 55, no subjects less than 10/20 including Mathematics

NSW High School Certificate (HSC): Passed with ATAR 55 (minimum 10 units) including Mathematics and no subjects score below 50

Monash University Foundation Year (MUFY):

Passed Monash University Foundation Year (MUFY) with min 60% in 4 subjects including Mathematics

Year 2 Entry

INTI Diploma – Diploma in Information Technology:

Successfully completed INTI's Diploma with CGPA 2.5

Candidate with CGPA below 2.5 but above 2.0 can be accepted, subject to internal assessment evaluation process

Diploma in Computer Science, Information Technology, Software Engineering or equivalent:

Successfully completed a Diploma in Computer Science, Information Technology, Software engineering or equivalent with CGPA 2.5 and credit in Mathematics and Additional Mathematics at SPM level.

Candidate with CGPA below 2.5 but above 2.0 can be accepted, subject to internal assessment evaluation process

Malaysian Diploma:

Any Diploma in Science and Technology with minimum CGPA 2.75

Students with Diploma will be considered for direct entry with subject exemptions on a case-to-case basis

The University College requires all students enrolling in this programme to demonstrate a high level of proficiency in the English Language. The students must obtain any one of the following qualifications or its equivalent: Entry to Year 1 or Year 2

English Language Requirements

SPM English Syllabus 1322:
Grade 1-6

English 1119:
Grade 1-6

GCE O-Level or GCSE:
Pass minimum Grade C

IELTS:
Band 6.0 and above

TOEFL: 550 and above

TOEFL (computer-marked):
220 or above

UEC: B