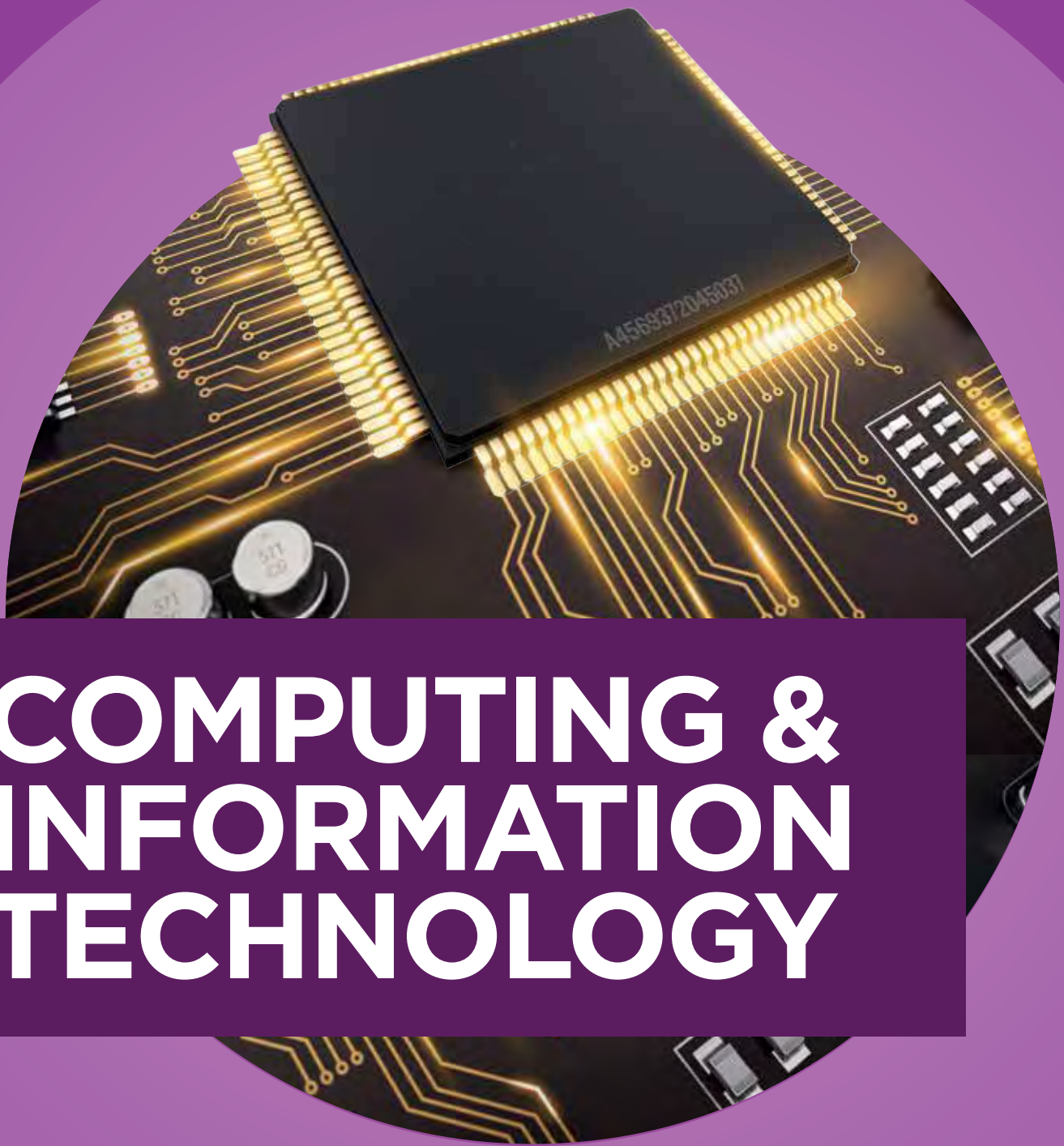
INTI International University & Colleges™

YOUR FUTURE BUILT TODAY



# COMPUTING & INFORMATION TECHNOLOGY

E-BROCHURE & MORE!
SCAN HERE

新潟留学センター

# YOUR FUTURE BUILT TODAY

At INTI, our mission is to equip students with competencies for tomorrow, fostering leaders, innovators, and game-changers. We are committed to providing support and resources for the workplace of the future.

INTI INTERNATIONAL UNIVERSITY, PUTRA NILAI

INTI INTERNATIONAL COLLEGE SUBANG

INTI INTERNATIONAL COLLEGE PENANG


INTI COLLEGE SABAH

## INTERNATIONALLY ACCLAIMED:
# A RISING STAR!

**2025 QS WORLD UNIVERSITY RANKINGS**

QS WORLD UNIVERSITY RANKINGS 2025

QS WORLD UNIVERSITY RANKINGS 2025 IN THE TOP 600 IN THE WORLD

**INTI International University Awarded QS Rising Star 2025**

**NO.1 IN ASIA**
For Inbound Exchange Students

**QS Asia University Rankings 2024**

| 35+ | 4 | 13,000+ | 1,000+ | 91,000+ |
|---|---|---|---|---|
| YEARS | CAMPUSES | STUDENTS | EMPLOYEES | GRADUATES |

# WHY INTI?

## 1000+ Industry Partners

INTI collaborates with more than 1000 industry partners including local and global organisations such as IBM, Google, FedEx, Shell, Unilever, Intel, Microsoft, Huawei, SAS, DELL and more.

## 100% Internship Placement

Good academic results are no longer sufficient to ensure the employability of students, therefore work experience in the form of internships is steadily becoming more important.

## 2000+ World Class Employer Projects

More than 2000 world class employer projects since 2010

## Broad Range of Innovative Programmes

Accredited by the Malaysian Ministry of Education, INTI offers a wide range of innovative programmes from Pre-University to Postgraduate programmes.

## Career Development

INTI Leadership Series - One of INTI's signature events that features top leaders from highly successful companies speaking to INTI students on topics related to leadership, innovation, entrepreneurship and strategies relevant to today's business.

## Beyond Academic

INTI provides an enriching experience that enables students to find their true passion through on-campus events and activities organised by numerous clubs and societies. Through these activities, students are able to enhance their soft skills and talents.

## Vibrant Community

Immerse yourself in a diverse and vibrant international community of over 13,000 students from 100+ countries.

## World-Class Facilities

Experience unparalleled learning and growth in our signature world-class facilities and enjoy top-notch sports and recreational amenities for your well-being.



# SUCCEED GLOBALLY WITH THE INTI EDGE

THE INTI EDGE

## We Are INTERNATIONAL

Our internationally recognised education will enrich you with the right skills and attributes to excel at whatever you do and wherever you go.

### WORLD RENOWNED COLLABORATIONS WITH PRESTIGIOUS UNIVERSITIES

INTI offers exclusive franchise degrees and dual award degree programs in partnership with some of the world's highest-rated universities. These partnerships enhance your academic credentials and provide access to prestigious institutions of higher learning globally. With opportunities to learn from international lecturers, participate in joint projects, and embark on international study tours, you will gain a truly global educational experience.

Coventry University · University of Hertfordshire UH · Sheffield Hallam University Knowledge Applied · Southern New Hampshire University · Swinburne University of Technology AUSTRALIA · CERGY PARIS UNIVERSITÉ

## INNOVATIVE Teaching & Learning

INTI integrates an array of proven approaches to teaching combined with revolutionary applications of technology in the classroom such as the innovative Canvas Learning Management System.

CANVAS BY INSTRUCTURE

INTI uses Canvas as our Learning Management System (LMS), providing customizable tools to enhance teaching and learning for students and lecturers. This user-friendly platform supports collaborative digital learning environments, fostering a holistic educational experience.

Canvas's robust features – such as Rubrics, Modules, Calendars, Quizzes, Syllabi, Discussions, Analytics, and SpeedGrader – enable instructors to provide dynamic and personalized learning experiences. The integration of Turnitin with the AI Detector feature helps maintain academic integrity and ensures high-quality educational delivery.

INTI collaborates with industry partners like IBM, AWS, LGMS, SAS and Alibaba GDT to integrate industry content into the curriculum. This enriches course content, enhances learning outcomes, and makes education more engaging and practical.

## INDIVIDUAL Development

INTI endeavours to include practical experiences in every programme it offers. From practical workshops taught by local and international guest lecturers and industry practitioners who share the ins and outs of the working world, to hands-on practical projects initiated by potential employers.

- **EMPLOYER PROJECTS** Real-World Experience
- **INTI LEADERSHIP SERIES** Expert Insights
- **INDUSTRY GUEST LECTURES** Professional Perspectives
- **BOOTCAMPS** Intensive Training
- **DESIGN THINKING MENTORSHIPS** Innovative Guidance

# COLLABORATION WITH INDUSTRY PARTNERS

Over the years, INTI has cultivated a strong engagement with multinational companies and large local organisations on diverse platforms to foster innovation curricula and develop future-ready graduates.

**The platforms include:**

- Industry Awards / Scholarships
- Employer Projects
- Boot Camps and Career Workshops
- INTI Leadership Series
- Faculty Industry Attachments
- Coaching and Mentoring
- Industry Advisory Boards
- Industry Skills Certifications
- Employer Centric Curricula
- Internships and Job Placements




AmBank Group · accenture · Agilent · AirAsia · AMD · AstraZeneca · averis · BDO · CIMB · Coca-Cola Singapore Malaysia Brunei · DELL Technologies · DIN 鼎泰豐 DIN TAI FUNG · DXC TECHNOLOGY · ECOWORLD · FedEx Express · flex · GAMUDA · Great Eastern · HeveaPac your smart partner · Hilton · HongLeong Bank · HUAWEI · IBM · intel · Ipsos · JABIL · KEYSIGHT

maxis · MOTOROLA SOLUTIONS · nagaddb tribal · OPPSTAR · amw · OSRAM · pwc · Maybank · PUBLIC BANK · PLEXUS · PRESS METAL · RHB · APM · RICOH imagine. change. · SAMSUNG · Shopee · silverlake · TDCX · mobile · TOP GLOVE TOP QUALITY, TOP EFFICIENCY · Unilever · WWF is working with INTI to build support for nature conservation in Malaysia · WWF · ZUS COFFEE · Deloitte. · and many more

# MASTER THE SURVIVAL SKILLS OF THE 21st CENTURY

## TECHNOLOGY MAKES THE WORLD GO ROUND

Almost every aspect of our daily lives today rely on technology. From the movies we watch, the applications we use, the cars we drive to the restaurants we dine in, Computing and IT is involved. It is almost impossible to think of any task we do that does not include technology.

As innovations continue to evolve, more professionals are needed to harness the increasing power of technology. The tech world is blossoming with lucrative career opportunities across a myriad of disciplines and industries. Professionals in this field can contribute to almost any area they are passionate about, while developing their own work which is meaningful and rewarding. At INTI, we equip you with the skills and expertise to master technology and the future. In collaboration with the world's best IT providers and leading technology innovators, INTI offers its students access to the latest cutting-edge technologies, expertise and professional certifications which will prepare you for the workplace even before you graduate.

### INTERNATIONAL EXPERTISE AND COLLABORATION

To ensure that its programme content remains both forward- looking and relevant, INTI organises regular sessions by visiting professors, industry professionals and guest lecturers from affiliated universities worldwide. This helps to expose students to current industry practices, real-world scenarios and technologies which help them to stay abreast of the latest challenges in information technology.

### INDUSTRY READY TRAINING

Programmes at INTI are constantly assessed and mapped to the current demands of the job market. Recent developments in technology and the knowledge-based economy have prompted the addition of modules that support E-Commerce and Online Businesses, additional specialisation in Network Security and the usage, implementation and application of Big Data, especially in the development of business intelligence.

Combined with this dynamic and robust syllabus, INTI has integrated a strong requirement for compulsory internships with leading technology companies, to provide invaluable workplace experiences that ensure graduates are job-ready when they complete their studies.

Students at INTI are regularly exposed to industrial training and assigned employer projects based on real-world scenarios throughout the course of their programme. This helps them to acclimatise to the fast-moving job market and understand the expectations of their future employers.

### CONSTANT SKILLS ENHANCEMENT

One of the cornerstones of the academic syllabus at INTI is its focus to offer relevant, hands-on technical experiences to students. The new knowledge-based economy requires unique skill sets, one that INTI imparts through regular workshops that cover the creation of mobile applications, Android-based developments, basic PC hardware troubleshooting and an introduction to Operating System Modules from SUSE LINUX. This comprehensive set of technical skills and experiences are invaluable and can be applied to other non-technical fields of endeavour.

Our partnership with *Huawei ICT Academy further enhances the quality of education at INTI by providing students access to Huawei courses and professional certifications. This equips INTI students with a competitive edge in the information and communications technology (ICT) industry.

*available at Penang campus

# INDUSTRY CURRICULUM INTEGRATION

Innovation Centre for Education
INTI PROGRAMMES
in collaboration with
INTI INTERNATIONAL UNIVERSITY & COLLEGES

**INTI is honoured to be the FIRST private higher education institution in Malaysia** to offer programmes in collaboration with IBM.

IBM-Innovation Center for Education (IBM-ICE) is an academic-industry alliance between INTI and IBM aimed at preparing the Next Generation of Young Professionals using cutting-edge IT skills directly through the University's curriculum. This gives students the opportunity for technology leadership roles in IBM and IBM's Global System Integration and ISV Partners.

**University Degree with Specialisations**
Get your degree by adding a specialisation that an industry needs.

**Academic Certifications**
Get certified on next generation technologies and get the best jobs in the market

**BENEFITS OF THE PROGRAMME:**

- Innovative curriculum jointly developed with IBM on various industry specialisations, based on the skills requirements of various organisations across the world including banks, computer services, education, healthcare, insurance, manufacturing, retail and other industries.
- Incorporate learning of industry and IBM using live industry cases
  - Industry Subject Matter Expert (SME) Lectures and Webinars
  - SMEs on each technology/domain will visit the campuses and deliver guest lectures to students
- Courseware - books and material for each student
  - Developed by IBM Labs, Learning Services team, and other partners
- Pathway to Professional certification by IBM
- IBM Digital Badge credentials
- Improve your prospects for a global career with the best companies

## SAS INSTITUTE

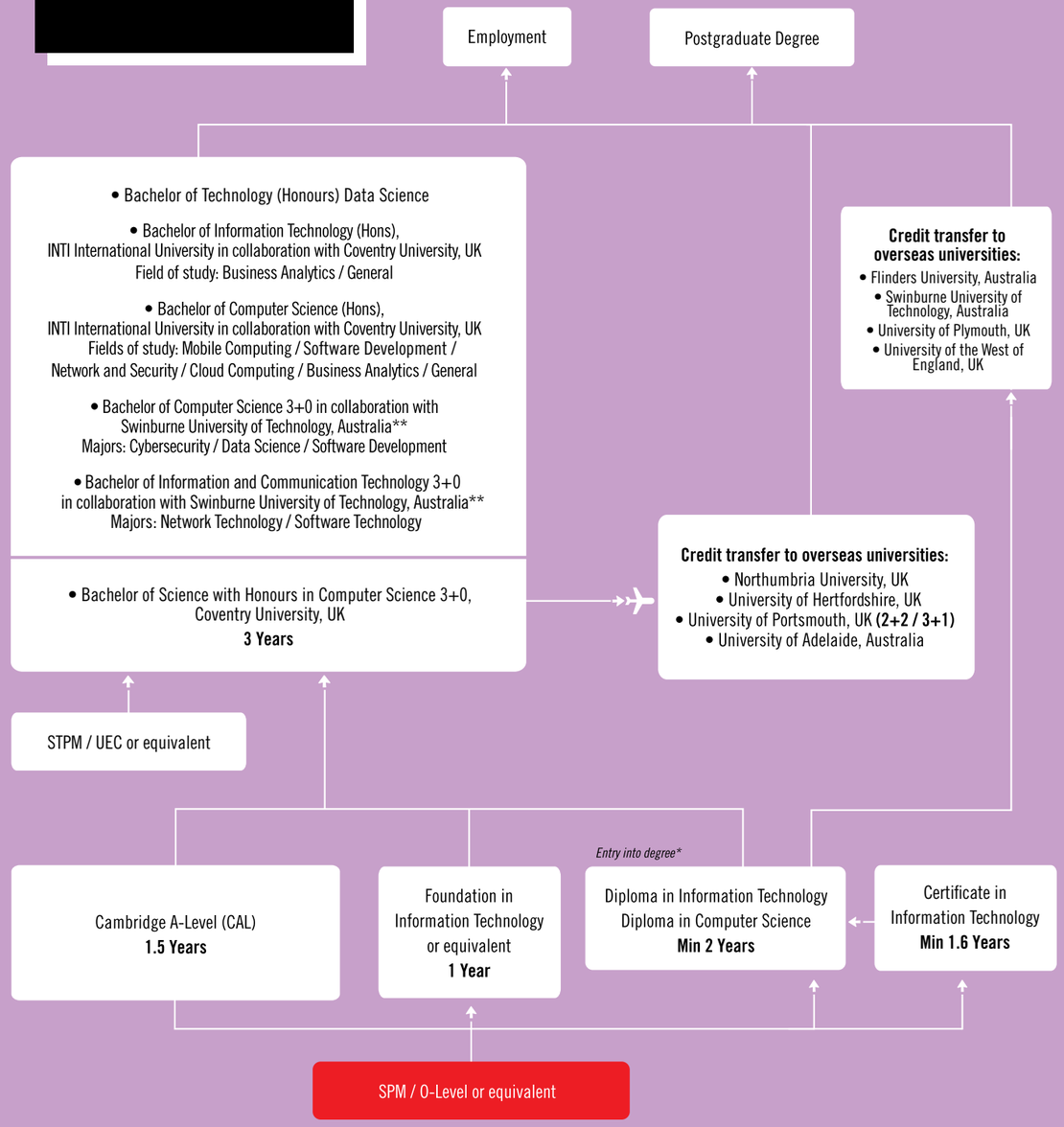
**INTI is honoured to partner with SAS to integrate SAS curriculum in the Master in Information Systems and Master in Information Technology programmes.**

SAS is a trusted analytics powerhouse with over 40 years of analytics innovation experience for organisations seeking immediate value from their data. Through innovative software and services, SAS empowers and inspires customers around the world to transform data into intelligence which helps drive relevant changes in organisations, industries and the world.

**BENEFITS OF THE PROGRAMME:**

- Enhance knowledge and skills within the SAS domain which is recognized internationally
- Enrich analytical and critical thinking skills
- Improve your prospects for a global career with the best companies by being SAS certified

# INTI COMPUTING & IT PATHWAY




*Subject to meeting entry requirements.
**Refer to Swinburne course guide for more details



# ENTRY REQUIREMENTS

## BACHELOR OF INFORMATION TECHNOLOGY (HONS)

Foundation:
Completion of Foundation Programme in relevant field with CGPA 2.0 and credit in Mathematics in SPM or equivalent

Diploma:
**Diploma in Computing (Level 4, MQF) or its equivalent with a minimum CGPA 2.5;

Other Diploma:
**Any Diploma in Science and Technology (Level 4, MQF) with a minimum CGPA 2.75

***Note: Candidates with a CGPA below 2.75 but more than 2.0, may be admitted subject to a thorough internal evaluation process.*

A-Level:
2Ds (and a credit in Mathematics in SPM or equivalent)

STPM:
2Cs with CGPA 2.0; credit in SPM / O-Level Mathematics

UEC:
5Bs (including Mathematics)

CPU:
5 passes with an average of 55 (not less than 50 marks for each subject including a credit in Mathematics in SPM or equivalent)

TEE:
5 passes with minimum aggregate of 279 (4 subjects including a credit in Mathematics in SPM or equivalent)

SACE:
5 passes with TER of 55 (not less than 10/20 for each subject including a credit in Mathematics in SPM or equivalent)

NSW (HSC):
10 units with ATAR of 55 (not less than 50 points for each subject including a credit in Mathematics in SPM or equivalent)

Australian Year 12:
4 or 5 passes with TER / UAI / ENTER of 55 including a credit in Mathematics in SPM or equivalent

Others:
Please refer to INTI International University

## BACHELOR OF COMPUTER SCIENCE (HONS)/BACHELOR OF COMPUTER SCIENCE (HONS) (ONLINE LEARNING)

Foundation:
Pass in Foundation studies with a minimum CGPA 2.0 and credit in below subjects in SPM:
a) Additional Mathematics or
b) Mathematics and any one of the Science, Technology or Engineering subject

STPM:
Passed STPM in Science stream or equivalent with a minimum Grade C (CGPA 2.0) in Mathematics and 1 Science or ICT subject; OR passed STPM with a minimum Grade C (CGPA 2.0) in any 2 subjects and credit in below subjects in SPM:
a) Additional Mathematics or
b) Mathematics and any one of the Science, Technology or Engineering subject

*Note: Candidates for category (b) need to take and pass the reinforcement course equivalent to Additional Mathematics with appropriate topics in the discipline of Computer Science, Data Science or Software Engineering at the beginning of the study. Students from Foundation can be exempted from taking reinforcement Mathematics provided the Mathematics offered at that programme level equivalent/more than the Additional Mathematics offered at SPM.*

Diploma:
*Diploma in Computing (Level 4, MQF) or its equivalent with a minimum CGPA 2.5;

Other Diploma:
*Any Diploma in Science and Technology (Level 4, MQF) with a minimum CGPA 2.75

**Note: Candidates with a CGPA below 2.75 but more than 2.0, may be admitted subject to a thorough internal evaluation process.*

A-Level:
A minimum of 2 Grade D and credit in below subject(s) in SPM or equivalent:
(a) Additional Mathematics or
(b) Mathematics and 1 of the Science, Technology or Engineering subject

UEC:
5Bs (including Additional Mathematics or Mathematics and 1 of the science, Technology or Engineering subject)

CPU:
5 passes with an average of 55 (not less than 50 marks for each subject including credit in Mathematics at SPM level and Additional Mathematics in SPM or equivalent)

TEE:
5 passes with minimum aggregate of 279 (4 subjects) including a credit in Additional Mathematics in SPM or O-Level

SACE:
5 passes with TER of 55 (not less than 10/20 for each subject including a credit in Additional Mathematics in SPM or equivalent)

NSW (HSC):
10 units with ATAR of 55 (not less than 50 points for each subject including a credit in Additional Mathematics in SPM or O-Level)

Australian Year 12:
4 or 5 passes with ATAR of 55 (including a credit in Additional Mathematics in SPM or O-Level)

*NOTE: The requirement for a credit in Additional Mathematic at SPM level can be exempted if the entry qualification has a Mathematic subject and the achievement is equivalent or higher than the requirement at SPM level.*

Others:
Please refer to INTI International University

# ENTRY REQUIREMENTS

## BACHELOR OF TECHNOLOGY (HONOURS) DATA SCIENCE

Foundation:
A Pass in Matriculation or Foundation Studies with minimum CGPA 2.0 and credit in Additional Mathematics at SPM or its equivalent.

STPM/A-Level:
(a) Pass STPM with minimum Grade C (GPA 2.00) in two (2) subjects and a credit in Additional Mathematics at SPM or its equivalent.
(b) Pass A-Levels Programme with minimum Grade D in two (2 ) subjects and a credit in Additional Mathematics at SPM or its equivalent.

Diploma:
(a) A Diploma in Computer Science or Software Engineering or Information Technology or Information System or equivalent with minimum CGPA of 2.5 and a credit in Additional Mathematics at SPM level or its equivalent. Candidates with a CGPA below 2.5 but above 2.0 with a credit in Additional Mathematics at SPM level or equivalent may be admitted subject to a rigorous internal assessment.
(b) Any other Diploma in Science and Technology with a minimum CGPA of 2.50 may be admitted subject to a rigorous internal assessment process and a credit in Additional Mathematics at SPM level or equivalent.

STAM:
Minimum of Grade Jayyid and a credit in following subjects at SPM level or its equivalent:
(a) Additional Mathematics or
(b) Mathematics and 1 of the Science, Technology or Engineering subject.

UEC:
Pass UEC with 5 subjects at grade B including Additional Mathematics.

Others:
Please refer to INTI International University.

Note :
(a) Candidate without a credit in Additional Mathematics at SPM level or equivalent may be admitted if the Diploma programme contains subjects in mathematics that are equivalent to Additional Mathematics at SPM level.
(b) Candidate without a credit in Additional Mathematics at SPM level needs to pass the reinforcement Mathematics equivalent to Additional Mathematics at SPM level. This subject must be taken in the first semester before enrolment with an unconditional offer letter.
(c) Candidate with a credit in computing related subject at SPM or STPM level or equivalent may be given preferential consideration.

## BACHELOR OF COMPUTER SCIENCE 3+0 (BCS) / BACHELOR OF INFORMATION & COMMUNICATION TECHNOLOGY 3+0 (BICT) IN COLLABORATION WITH SWINBURNE UNIVERSITY OF TECHNOLOGY, AUSTRALIA

STPM:
Pass 3 subjects in STPM with minimum CGPA 2.80 (for BCS) and minimum CGPA 2.50 (for BICT)

Cambridge A Levels:
Minimum value of 8 must be achieved in 3 subjects at A Levels.
(Grades for A Levels: A*=6, A=5, B=4, C=3, D=2,E=1)

UEC:
Pass UEC with 5Bs and Average of best 5 subjects - Score of 5 and below for BICT, score of 4 and below for BCS
E.g. Student obtains the following marks for best 5 subjects: B4,B3,B3,B4,B6. Total score is: 4 +3 +3 + 4 + 6 = 20. Average score = 20/5 = 4
(A1: 100 - 85; A2: 84 - 80; B3:79 - 75; B4: 74 - 70; B5 69 - 65; B6: 64 - 60; C7: 57 - 55, C8: 54 - 50; F9: 49 - 0)

Australian Senior High School Certificate:
Minimum ATAR of 60 (for BICT) and 70 with General Mathematics units 1 and 2 or equivalent (for BCS). Score of 30 in English as Alternate Language (EAL) for Victorian Certificate of Education, or equivalent

INTI Foundation:
Having completed on INTI Foundation programme with an average of 60% (CGPA 2.40). (Average of 60% in English - study must be completed not more than two years prior to commencing study at Swinburne)

Foundation*:
Having completed a Foundation programme with an average of 65%. (Average of 60% in English - study must be completed not more than two years prior to commencing study at Swinburne). Other Foundation programmes are subject to Swinburne University's approval.

**Australian Foundation and Swinburne University of Technology approved Malaysian Foundation*

INTI Diploma:
Having completed an INTI Diploma in Computing (Level 4, MQF) with an average of 60% (CGPA 2.50). Credit transfer up to the equivalent of 1 year.
(Other diplomas are subject to Swinburne University's approval).

Australian Foundation Programme:
Minimum average score of 65%.
(Average of 60% in English - study must be completed not more than two years prior to commencing study at Swinburne)

Malaysian Diploma:
Diploma in Computing (Level 4, MQF) or equivalent with an average score of 65%. Any other diploma (Level 4, MQF) (for Computer Science only: in Science and Technology) with minimum CGPA 2.75 are subject to university's approval

International Baccalaureate (IB):
Evidence of IB Diploma Award.
Minimum 6 subjects including minimum 4 in pre-requisite subjects.
Minimum 24 points.
The minimum score requirement is derived by adding the result in each subject. A minimum score of 4 is required in pre-requisite subjects

*Note: For Bachelor of Computer Science, students need to obtain a credit in:*
*a) Additional Mathematics at SPM level or its equivalent; or*
*b) Mathematics and 1 Science/Technology/Engineering subject at SPM level or its equivalent.*
** Please refer to Swinburne course guide for more details.*

## BACHELOR OF SCIENCE WITH HONOURS IN COMPUTER SCIENCE 3+0, COVENTRY UNIVERSITY, UK

**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 a credit in:
a. Additional Mathematics at SPM level or its equivalent; OR
b. Mathematics and any one of the Science, Technology or Engineering subjects at SPM level or its equivalent.

STPM:
A pass in STPM (Arts Stream) with a minimum Grade of C (CGPA 2.00) in any TWO (2) subjects;

AND a credit in:
a. Additional Mathematics at SPM level or its equivalent; OR
b. Mathematics and any one of the Science, Technology or Engineering subjects at SPM level or its equivalent.

A pass in STPM (Science Stream) or its equivalent with a minimum Grade of C (CGPA 2.00) in Mathematics subject and ONE (1) Science / ICT subject;

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

A-Level:
Passed A-Level with passes in 2 subjectswith 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 of55 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):
Passedwith ATAR 55 (minimum 10 units) includingMathematics 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/Diploma in Computer Science:
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

Malaysian Diploma:
Any Diploma in Science and Technology with minimum CGPA 2.75

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

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

The University College requires all students enrolling in this programme to demonstratea high level of proficiency in the EnglishLanguage. The students must obtain anyone 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:
Pass

IELTS:
Band 6.0 and above

TOEFL:
550 and above

TOEFL (computer-marked):
220 or above

UEC: B

## DIPLOMA IN INFORMATION TECHNOLOGY / DIPLOMA IN COMPUTER SCIENCE / DIPLOMA IN INFORMATION TECHNOLOGY (ONLINE LEARNING)

SPM / O-Level / Equivalent:
3 credits including Mathematics**
**Candidate with a pass in Mathematics at SPM level and without a related certificate are required to take a reinforcement Mathematics subject with appropriate topics in the discipline of Computing at the beginning of the study.

UEC:
3Bs including Mathematics

Certificate:
Pass and credit in SPM Mathematics*
*Candidate with no credit in Mathematics at SPM level can be considered if the certificate programme contains a Mathematics subject that is equivalent to SPM Mathematics.
***For Nilai campus only.*

**English Language Requirements**
IELTS: Band 4.0

CAMBRIDGE: CAE (160) / CEFR B2

MUET: Band 3

TOEFL: IBT (30-31)

PTE: 36

## FOUNDATION IN INFORMATION TECHNOLOGY

SPM / SPMV :
5 credits including Mathematics

O-Level :
5 credits (minimum Grade C) including Mathematics

UEC :
3Bs including Mathematics

(For all the above entry: Students are required to obtain credits including Additional Mathematics OR credits in Mathematics & 1 Science/Technology/ Engineering related subjects for student who wants to progress to Computer Science Degree programme)

## CERTIFICATE IN INFORMATION TECHNOLOGY

SPM / O-LEVEL:
Minimum 1 credit and a pass in Mathematics

SKM:
Pass Level 2 in related field and a pass in SPM Mathematics or its equivalent OR, other equivalent qualifications

UEC:
Pass with at least 1B in any subject and a pass in Mathematics

# FOUNDATION IN INFORMATION TECHNOLOGY

The programme aims to prepare students to progress into various fields of IT and Computer Science Degrees, so that they can thrive in an increasingly competitive employment market. It achieves this through a blend of academic study and skills development. The programme is designed for students who are seeking a career in the field of IT and Computer Science which is aimed to meet the industry demands by producing graduates who are qualified, competent, creative and innovative, and who will eventually be experts in this industry. Graduates of this programme may progress to an undergraduate degree, namely Computer Science, Information Technology, Computing, and Information Systems.

## Assessment

Assessment of individual courses in the Foundation Programme consists of two components:

- Continuous coursework: 50%
- Final examination: 50%

The continuous coursework component comprises different tasks such as projects, assignments, laboratory work, presentations, tests, and others as assigned throughout each semester. The final examination is conducted at the end of each semester. The assessments are subject to quality assurance procedures to maintain high standards and ensure fair assessment.

## Offered at

INTI International University
(N/482/3/0170)(06/26)(MQA/PA14588)

**INTAKES: JAN, MAY & AUG**

INTI International College Subang
(N/0611/3/0017)(05/26)(MQA/FA14514)

INTI International College Penang
(N/482/3/0172)(07/2026)(MQA/FA14720)

**INTAKES: JAN, APR & AUG**

## Duration

1 Year

## Progression

Students who have successfully completed the Foundation in Information Technology can choose to enter the following undergraduate programmes:

**Information Technology**
Swinburne University of Technology, Australia
- Bachelor of Computer Science 3+0
- Bachelor of Information and Communication Technology

Coventry University, UK
- Bachelor of Science with Honours in Computer Science 3+0
- Bachelor of Computer Science(Hons)
- Bachelor of Computer Science(Hons) Business Analytics
- Bachelor of Computer Science(Hons) Cloud Computing
- Bachelor of Computer Science(Hons) Mobile Computing
- Bachelor of Computer Science(Hons) Network and Security
- Bachelor of Computer Science(Hons) Software Development
- Bachelor of Information Technology (Hons)
- Bachelor of Information Technology (Hons) Business Analytics

INTI International University
- Bachelor of Technology (Honours) Data Science

## Programme structure

Compulsory (13 courses):
- English Language Skills 1
- English Language Skills 2*
- Introduction to Business Studies
- Fundamentals of Mathematics
- Advanced Mathematics*
- Business Statistics
- General Studies
- Skills for Creative Thinking
- Self-Development Skills
- Basic Computing
- Programming Techniques
- Data Communication and Networking*
- Introduction to Database Management System*

** Prerequisite applies*



# CERTIFICATE IN INFORMATION TECHNOLOGY

This programme prepares students with a basic understanding of the principles, theories and current practices in the field of Information Technology. Students will get an exposure to the current emerging computing technologies.

## Assessment

Test, Quiz, Assignment, Lab, Project, Simulation and Final Examination

## Career Opportunities

Junior Programmer, Software Developer, Technical/Help Desk Support, Network/Service Technician, Junior Web Designer/Developer, IT Administrator

## Offered at

INTI International College Subang
(R/0611/3/0002)(11/28)(MQA/FA11437)

INTI International College Penang
(N/482/3/0173)(07/26)(MQA/FA14719)

**INTAKES: JAN, APR & AUG**

## Duration

Minimum 1 Year 7 Months

## Programme Structure

- Basic Mathematics
- Fundamentals of Programming
- Mathematics for Computing
- Introduction to Operating Systems
- Introduction to Networking
- Introduction to Information Technology
- Internet Technology and Applications
- Introduction to Database
- Introduction to Java Programming
- Introduction to Computer Architecture and Organisation
- Introduction to PC Maintenance and Support
- System Analysis and Design
- Cybersecurity Fundamentals

**Internship (Compulsory)**

## MPU subjects

- Malaysian Studies 1 (Local students) / Malay Communication 1 (International students)
- Study Skills
- Integrity and Anti-Corruption

Note: Students are required to pass 3 MPU subjects based on their nationality and entry qualification.

*Note: The programme structure for April and August intake is subject to change. Please refer to the Head of Programme.*

# DIPLOMA IN COMPUTER SCIENCE

**in collaboration with**

SAS *(Data Analytics)*

aws academy *(Cloud Computing)*

LGMS *(Cybersecurity)*

This programme equips students with a thorough understanding of the principles, theories and current practices in the Computer Science field. Students will have a strong foundation in computing problem solving, new technologies and knowledge in software design, development and implementation.

Furthermore, this programme offers specialisations associated with Industry Revolution (IR) 4.0 such as Cybersecurity, Data Analytics and Cloud Computing.

Graduates will be able to start their careers or further their studies, leading to degree courses in Computer Science, Information Technology or related disciplines.

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

## Highlights

- 75% of the curriculum emphasises practical and hands-on training
- Strong focus on technical aspects of programming and networking
- Students will be prepared to pursue their degree studies in Computer Science, IT or related disciplines
- Upon completion: At the successful completion and assessment of a specialisation, students will be eligible to sit for professional certification in the respective field*. Additionally, students will be awarded a joint certificate with one of our globally renowned industry partners, indicating the successful completion of the specialisation modules within the INTI Diploma in Computer Science programme*

*Please consult our education counsellors for further information.

## Career Opportunities

Programmer, Software Engineer, Software Developer, Web Developer, Data Analyst, Cybersecurity Administrator, Cloud System Administrator

## Offered at

INTI International University
(N/0613/4/0049)(06/26)(MQA/FA14290)

**INTAKES: JAN, MAY & AUG**

INTI International College Subang
(R/0613/4/0047)(12/29)(MQA/FA12868)

INTI International College Penang
(R/0613/4/0010)(11/2029)(MQA/FA12867)

**INTAKES: JAN, APR & AUG**

## Duration

Minimum 2 Years

## Programme structure

- Capstone Project
- Computer Architecture
- Computer Ethics
- Data Structures
- Database Management
- Discrete Mathematics
- Fundamentals of Mathematics
- Fundamentals of Networking
- Intelligent Systems
- Introduction to Statistics and Data Analytics
- Object Oriented Programming
- Operating Systems
- Programming Fundamentals
- Rapid Application Development
- System Analysis and Design
- User Experience (UX) Design

**Internship (Compulsory)**

Choose 4 Electives from the following specialisation:

- Data Analytics
  - Business Intelligence
  - Cybersecurity Fundamentals
  - Data Mining
  - Data Visualization

- Cloud Computing
  - Cloud Computing Architecture
  - Cloud Computing Fundamentals I
  - Cloud Computing Fundamentals II
  - Cybersecurity Fundamentals

- Cybersecurity
  - Cybersecurity Fundamentals
  - Digital and Cyber Laws
  - Digital Forensics
  - High Level Programming

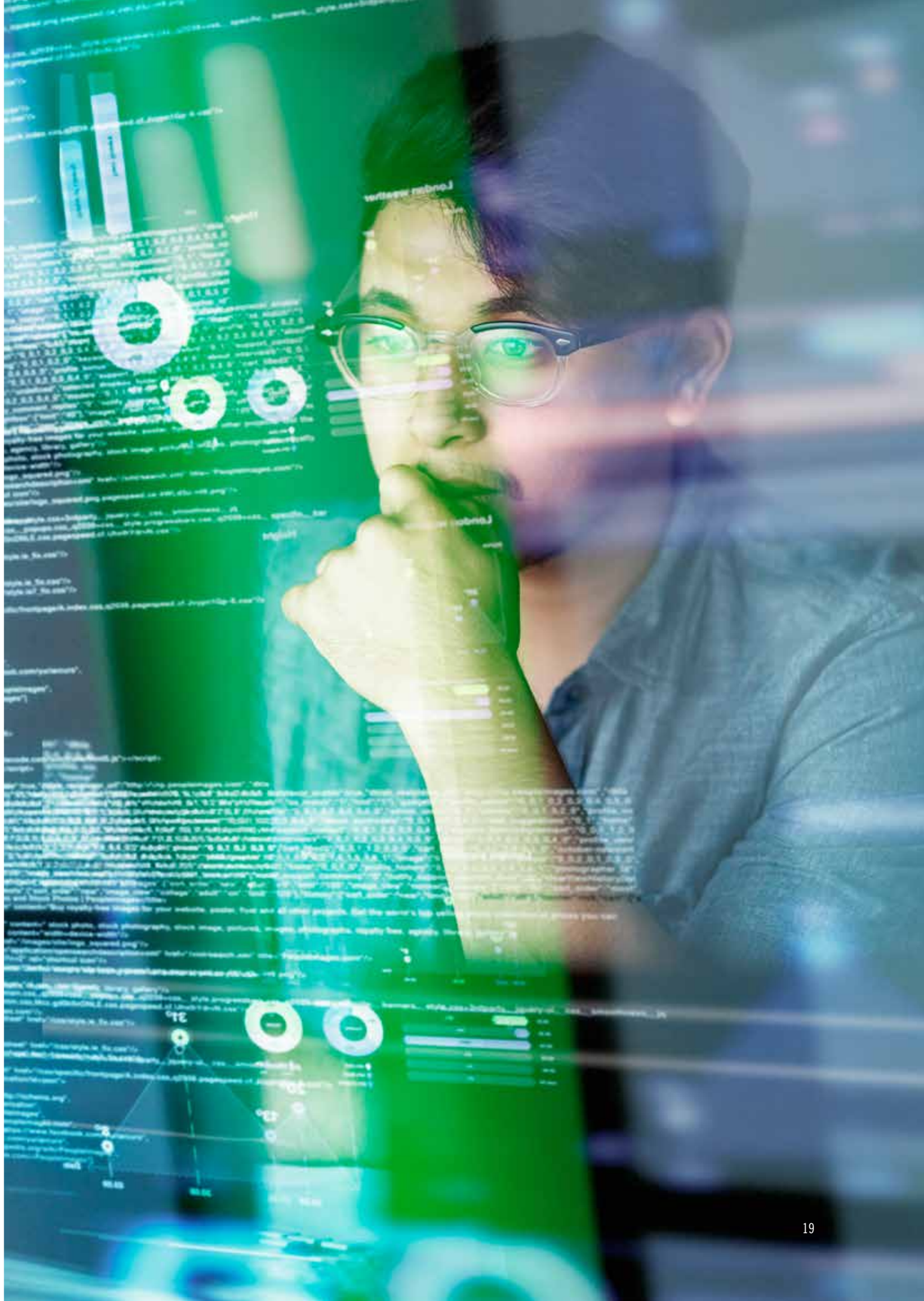
**MPU Subjects (For University)**

1. Compulsory
- Appreciation of Ethics and Civilisations (Local students) / Communicating in Malay 1B (International students)
- Integrity and Anti-Corruption
- Co-curriculum
- Bahasa Kebangsaan A**

2. Electives (choose one)
- Green Malaysia: Innovation for a Sustainable Future
- Personal Branding with Media Literacy

**MPU Subjects (For Colleges)**

- Appreciation of Ethics and Civilisations (Local students) / Malay Communication 1B (International students)
- Bahasa Kebangsaan A** / Sustainable Living
- Integrity and Anti-Corruption
- Co-curriculum



# DIPLOMA IN INFORMATION TECHNOLOGY

Innovation Centre for Education
DIPLOMA IN INFORMATION TECHNOLOGY
in collaboration with
INTI INTERNATIONAL UNIVERSITY & COLLEGES

This programme prepares students with a thorough understanding of the principles, theories and current practices in the Information Technology field. Students will get a strong foundation, allowing them to experience the process of software development and explore the rapid development of information and networking technologies.

Graduates will be able to start their careers or further their studies, leading to degree courses in Information Technology or related disciplines.

## Highlights

- 75% of the curriculum emphasises on practical and hands-on training
- Strong focus on technical aspects of programming and networking
- Students will be prepared to pursue their degree studies in IT or related disciplines
- Upon completion: At the successful completion and assessment of an IBM-ICE module, students will be eligible for an IBM badge. In addition, at the end of the programme completion student will be given an IBM-ICE transcript indicating the successful completion of 3 IBM-ICE modules within the INTI Diploma in Information Technology programme

## Career opportunities

Technical Support Officer, Network Technician, Service Technician, Information System Administrator, Network Administrator, Database Administrator

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



## Offered at

INTI International College Subang
(R3/0611/4/0057)(07/29)(A10416)

INTI International College Penang
(R2/481/4/0122)(01/29)(MQA/FA1215)

**INTAKES: JAN, APR & AUG**

## Duration

Minimum 2 Years

## Programme structure

- Cloud Computing Fundamentals I
- Computer Architecture
- Computer Ethics
- Cybersecurity Fundamentals
- Capstone Project
- Database Management
- Discrete Mathematics
- Fundamentals of Mathematics
- Fundamentals of Networking
- Introduction to Internet Technologies
- Object Oriented Programming
- Operating Systems
- Programming Fundamentals
- Quantitative Methods
- Rapid Application Development
- System Analysis and Design
- User Experience (UX) Design
- Technopreneurship

**Internship (Compulsory)**

## IBM-ICE MODULES

- Introduction to IT Infrastructure Landscape
- Information Technology Infrastructure Library
- IT Service Management

## MPU subjects

- Appreciation of Ethics and Civilisations (Local students) / Malay Communication 1B (International students)
- Bahasa Kebangsaan A* / Sustainable Living
- Integrity and Anti-Corruption
- Co-curriculum

## Offered at

INTI International University
(R2/0611/4/0040)(05/29)(A10108)

**INTAKES: JAN, MAY & AUG**

## Duration

Minimum 2 Years

## Programme structure

**Level 1**
- Database Management
- Discrete Mathematics
- Fundamentals of Mathematics
- Fundamentals of Networking
- Introduction to Internet Technologies
- Programming Fundamentals
- Quantitative Methods
- System Analysis and Design
- User Experience (UX) Design

**Level 2**
- Capstone Project
- Cloud Computing Fundamentals 1
- Computer Architecture
- Computer Ethics
- Cybersecurity Fundamentals
- Object-Oriented Programming
- Operating Systems
- Rapid Application Development
- Technopreneurship

**Internship (Compulsory)**

## IBM-ICE MODULES

- Introduction to IT Infrastructure Landscape
- Information Technology Infrastructure Library
- IT Service Management

## MPU subjects

**1. Compulsory**
- Appreciation of Ethics and Civilisations (Local students) /Communicating in Malay 1B (International students)
- Integrity and Anti-Corruption
- Co-curriculum
- Bahasa Kebangsaan A*

**2. Electives (choose one)**
- Green Malaysia: Innovation for a Sustainable Future
- Personal Branding with Media Literacy

# DIPLOMA IN INFORMATION TECHNOLOGY

**ONLINE LEARNING**

Innovation Centre for Education
DIPLOMA IN INFORMATION TECHNOLOGY
in collaboration with
INTI INTERNATIONAL UNIVERSITY & COLLEGES

This programme aims to develop students with a strong understanding of core skills that are relevant to the IT industry, especially skills needed for developing broad-based information systems which support business needs and achieve competitive advantage.

Graduates will be able to start their careers or further their studies, leading to degree courses in Information Technology or related disciplines.

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

## Highlights

- 100% online learning
- 24/7 accessibility to all learning materials anytime, anywhere
- Overall programme assessment consists of examination, projects and coursework
- Minimum 3 to 5 hours per course per week
- Integrated industry modules in collaboration with IBM. At the successful completion and assessment of an IBM ICE module students will be eligible for an IBM badge. In addition, at the end of the programme completion student will be given an IBM-ICE transcript indicating the successful completion of 3 IBM-ICE modules within the INTI Diploma in Information Technology programme

## Career Opportunities

Information System Consultant, Data Analysts, Business Analyst, Business Research Consultant, Junior Programmer, Network Support Technician, Mobile Apps Developer

## Offered at

INTI International University
(N-DL/482/4/0223)(10/28)(MQA/FA14939)

**INTAKES: JAN, MAR, MAY, AUG & OCT**

## Duration

2 Years (Full-time)
4 Years (Part-time)

## Programme structure

**Year 1**
- Database Management
- Discrete Mathematics
- Fundamentals of Mathematics
- Fundamentals of Networking
- Introduction to Internet Technologies
- Introduction to IT Infrastructure Landscape
- Programming Fundamentals
- Quantitative Methods
- Systems Analysis and Design
- User Experience (UX) Design

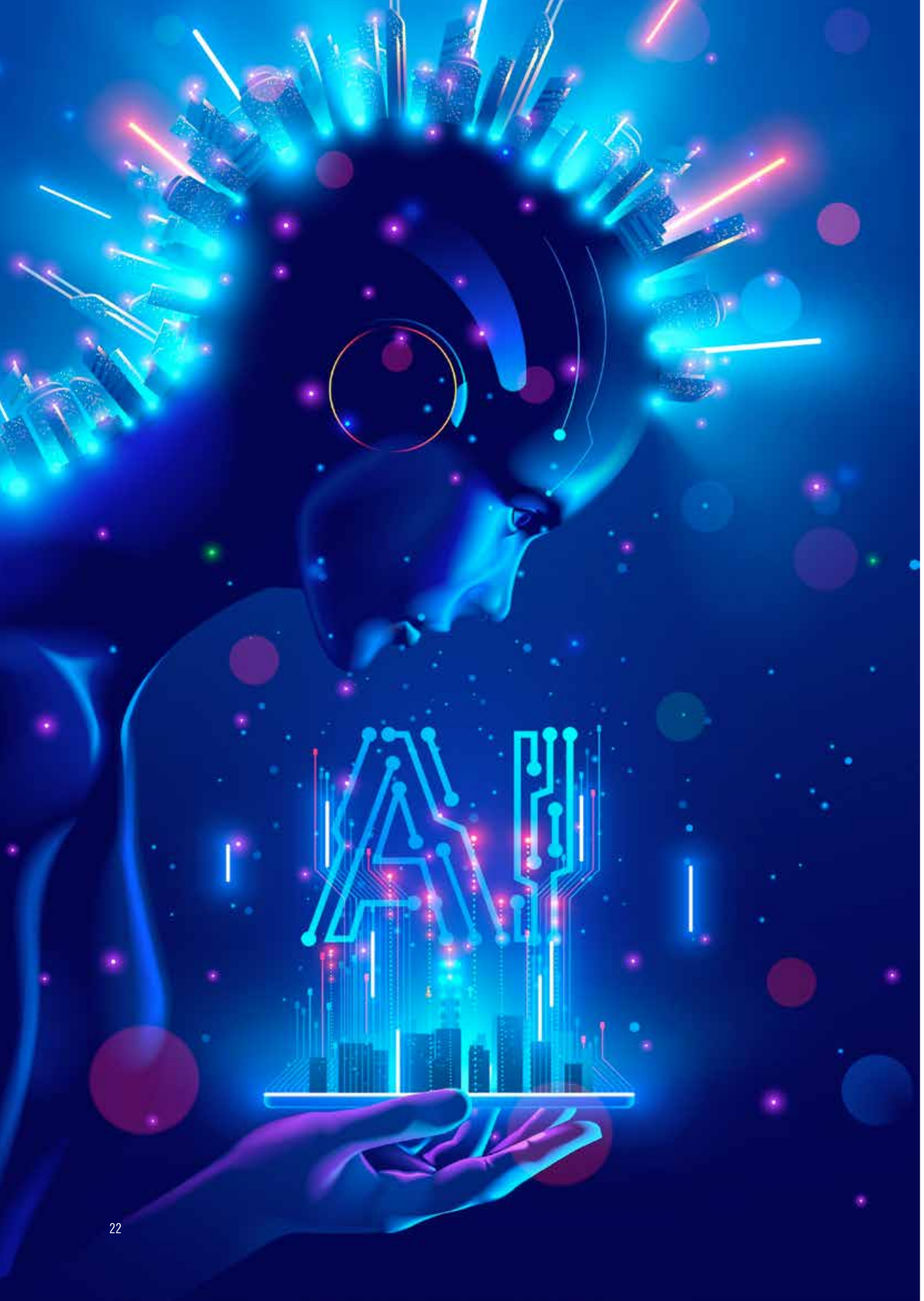
**Year 2**
- Capstone Project
- Cloud Computing Fundamentals `1
- Computer Architecture
- Computer Ethics
- Cybersecurity Fundamentals
- Information Technology Infrastructure Library
- IT Service Management
- Object-Oriented Programming
- Operating Systems
- Rapid Application Development
- Internship
- Technopreneurship

## MPU Subjects

**1. Compulsory**
- Appreciation of Ethics and Civilisations (Local students) /Communicating in Malay 1B (International students)
- Integrity and Anti-Corruption
- Co-curriculum
- Bahasa Kebangsaan A*

**2. Electives (choose one)**
- Green Malaysia: Innovation for a Sustainable Future
- Personal Branding with Media Literacy

*Note: The programme structure is subject to change. Please refer to the Head of Programme.*



# BACHELOR OF SCIENCE WITH HONOURS IN COMPUTER SCIENCE 3+0

**in collaboration with**

Coventry University

Computer science encompasses the heart and soul of almost all the technology we rely on in the modern world. It introduces many of the most powerful problem-solving strategies known to mankind. If have often wondered how computers work or been fascinated by the seemingly incredible things they can do, then computer science could be the degree course for you. It is for those who not only want to work with computer systems, but also want to understand the principles by which they are built. If you are keen to write your own software to make things run quickly and effectively, or use computers to solve scientific and research problems, then this course will teach you all of the techniques you need to know.

QAA Committed to the Quality of UK TNE Scheme Partner

**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

In your first year you will gain a foundational knowledge in all areas of the subject, including programming, computer architecture, software system design and usability testing. The programme gives a sociable and fun introduction to most aspects of the subject and helps all our students get to know the staff and each other. By the end of the second year, you should have learned to write and test programs, work in a development team on a real world project, understand and build computer and network systems and have a working knowledge of the vital aspects of computer industry ethics and law.

In the final year, these skills are combined with an individual project. This normally involves building an original computer system, which will solve one of a range of challenging problems suggested by an expert in the relevant field. We introduce you to the study of the limits of computation, techniques for analysing and solving more complex problems and large scale software systems development. Additionally you have the option to study advanced topics in artificial intelligence, computer architecture, concurrent and real time systems, development of enterprise systems and web services.

## Career opportunities

Software engineer, Computer Programmer, Software Applications Developer, Network Systems Administrator, Software Quality Assurance, Software Development Manager, Systems Developer

## 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
- Well-equipped specialist computing labs with high-performance hardware and industry-standard software

## Duration

3 Years

## Offered at

INTI International College Penang
(R/481/6/0692)(10/25)(MQA/FA7010)

**INTAKES: JAN, APR & AUG**

## Programme Structure
**SUBJECT TO CHANGE**

**Year 1**
- Programming: Concepts and Algorithms
- Computer Systems
- Working with Data
- Mathematical Skills for Computing Professionals
- Programming: Professional Practice
- Integrative Project Module

**Year 2**
- Artificial Intelligence
- Theory of Computation
- Advanced Algorithms
- Operating Systems, Security and Networks
- Data Science
- Software Engineering
- Hi-Tech Entrepreneurship / Event Project Management (choose 1)

**Year 3**
- Machine Learning
- Security
- Project Discovery
- Dissertation and Project Artefact

Electives (Choose 2)
- Web API Development
- Mobile Application Development
- Parallel and Distributed Programming

## 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

**REMARK: Please refer to the Head of Programme or Course Counsellors for the new programme structure for 2025 intake(s).**

# BACHELOR OF COMPUTER SCIENCE (HONS)

**in collaboration with**

Coventry University

IBM Innovation Centre for Education
INTI DEGREE IN COMPUTER SCIENCE
( Business Analytics, Cloud Computing )
in collaboration with
INTI INTERNATIONAL UNIVERSITY

Cisco Networking Academy

The aim of this course is to introduce the concepts and technologies of computing, in particular software development, network and security, mobile computing, business analytics and cloud computing. The course will introduce skills and concepts related to the design, development, and deployment of computing applications. Concepts related to general computing such as database, system analysis and design, user experience design and programming will also be included.

Besides concepts and theories related to computer science, this course also aims to provide students with practical skills that meet the demands of the computing industry, especially in software development, data analysis, cloud architecture, mobile application and network security. Students will also learn soft skills which are required in today's business environment.

QAA Committed to the Quality of UK TNE Scheme Partner

**Committed to quality with Coventry University**

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

## Highlights

- Students can choose their specialisation track from Year 2 onwards
- This programme covers part of the industry recognised CCNA syllabus. Students can move on to the advanced CCNA module upon programme completion at INTI
- Strong focus on applied knowledge with more than 50% of the curriculum based on practical application
- Internship opportunities with organisations like INTEL Technology, Sony, CSC Malaysia, Khind Holdings Berhad, Silverlake Sprints and more
- Incorporates real life Employer Projects in the classroom
- Further, upon completion of all IBM courses, students will be eligible for an IBM Badge in Business Analytics or IBM Badge in Cloud Computing, along with an IBM-ICE transcript indicating the successful completion of all the 8 IBM-ICE modules within the INTI Bachelor of Computer Science (Hons) Business Analytics or INTI Bachelor of Computer Science (Hons) Cloud Computing programme

## Fields of study available

**Computer Science**
Computer Science spans a wide range, from theoretical and algorithmic foundations to cutting-edge developments. Computer Science offers a comprehensive foundation that permits graduates to adapt to new technologies and ideas.

As such smart devices have dominated the landscape of computing since the last few years. With more and more smart devices that behave like a mini computer in the markets nowadays, in keeping up with the demand for their applications, many software houses are looking towards building APPs. It will fulfill the current market demand for these specialised APP programmers.

Student will receive 2 awards upon completion: A Bachelor of Computer Science (Hons) from INTI International University and a BSc. (Hons) from the Coventry University, UK

**Mobile Computing**
This field of study will help students understand how basic computer networks and mobile applications work, as well as the technology behind wired and wireless networks. Skills developed include computer network design, correcting network problems, network security preventions, network management techniques and mobile programming for smart phones.

Student will receive 2 awards upon completion: A Bachelor of Computer Science (Hons) from INTI International University and a BSc. (Hons) from the Coventry University, UK

**Network and Security**
Companies are spending a lot of resources to protect their data and networks. This specialisation will enable students to protect network systems from theft, hacker attacks and breaches in network security.

Student will receive 2 awards upon completion: A Bachelor of Computer Science (Hons) from INTI International University and a BSc. (Hons) from the Coventry University, UK

**Software Development**
Students will learn to design comprehensive testing strategies, implement effective test cases, and document testing processes for ensuring the quality of software systems. This includes the ability to devise testing approaches that effectively evaluate software functionality and performance. They will also gain a clear understanding of how testing fits into the organisational framework, along with the information needs and subsequent testing requirements of an organisation.

Student will receive 2 awards upon completion: A Bachelor of Computer Science (Hons) from INTI International University and a BSc. (Hons) from the Coventry University, UK

**Business Analytics**
Business Analytics is the process of converting data into insights. With the increase in the availability of data, Analytics has now become a major differentiator in both the top line and the bottom line of any organisation. The specialisation in Business Analytics teaches the use of data and models to support decision making in business. Students learn how to model such relationships as the impact of advertising on sales, how historical data predict stock returns, and how changes in task characteristics can influence time to completion. This programme helps prepare students for careers in "economy of tomorrow" industries. They play a vital role in their organisations' technological direction. In an IT end-user industry, Business Analytics and Optimisation (BAO) responsibilities can reside in various corporate functions and departments, such as operations, product development, information systems and finance.

Student will receive 2 awards upon completion: A Bachelor of Computer Science (Hons) from INTI International University and a BSc. (Hons) from the Coventry University, UK

*Note: The programme structure is subject to change. Please refer to the Head of Programme.*



**Cloud Computing**
Cloud computing is one of the most exciting areas in IT today. Cloud computing is used by many businesses whose employees and customers are able to access their data with a myriad of Internet-connected devices. Therefore, these businesses do not have to build and run their own data centres, which can be very costly. The Cloud Computing and Virtualization specialisation prepares students to understand the emerging technologies of cloud computing and virtualization, their principles, modelling, analysis, design, deployment and industry-oriented applications. Major solution architectures and enabling technologies are covered.

The Cloud Computing programme prepares students to understand the:

- Emerging technologies of Cloud Computing and Virtualization
- Principles, modeling, analysis, design, deployment, and industry-oriented applications
- Major solution architectures and enabling technologies
- Development of applications and services

Student will receive 2 awards upon completion: A Bachelor of Computer Science (Hons) from INTI International University and a BSc. (Hons) from the Coventry University, UK

## Offered at

INTI International University
(R2/481/6/0261)(02/28)(MQA/FA2990)

**INTAKES: JAN, MAY & AUG**

## Duration

3 Years

## Programme structure

**Level 1**
- Computer Architecture
- Fundamentals of Operating System
- Graphic Animation
- Information Security and Ethics
- Introduction to Data Analytics (IBM Module)
- Introduction to Database Systems
- IT Infrastructure Landscape (IBM Module)
- Mathematics for Computing
- Object-Oriented Programming
- Programming Techniques
- Systems Analysis and Design

**Level 2**
- Computer Communication & Networks
- Data Structures & Algorithms
- IT Project Management
- Quantitative Methods
- Software Engineering
- System Development Tools and Techniques

Business Analytics specialisation electives
- Data Mining & Predictive Analytics (IBM Module)
- Datawarehouse and Multidimensional Modelling (IBM Module)

Cloud Computing specialisation electives
- Cloud Computing Architecture & Deployment Model (IBM Module)
- Introduction to Cloud Computing & Virtualization (IBM Module)

Software Development specialisation electives
- Software Testing
- Web Application Development

Network and Security specialisation electives
- Cybersecurity
- Switching and Routing Protocols

Mobile Computing specialisation electives
- Introduction to Cloud Computing & Virtualization (IBM Module)
- Wireless and Mobile Communication

General (without specialisation) electives
- Software Testing
- Web Application Development

**Level 3**
- ERP Programming
- Artificial Intelligence
- Project I
- Project II
- UX Design
- Web Programming (IBM Module)

Business Analytics specialisation electives
- Big Data Analytics (IBM Module)
- Business Intelligence (IBM Module)
- Social, Web and Mobile Analytics (IBM Module)

Cloud Computing specialisation electives
- Backup and Disaster Recovery (IBM Module)
- Cloud Security (IBM Module)
- Mobile Application Development using Android (IBM Module)

Software Development specialisation electives
- Concurrent & Real-time System
- Machine Learning
- Software Quality

Network and Security specialisation electives
- Network Management
- Network Security
- Wireless Network Planning and Design

Mobile Computing specialisation electives
- Cross Platform Mobile Development
- Mobile Application Development using Android
- Ubiquitous Computing

General (without specialisation) electives
- Concurrent & Real-time System
- Mobile Application Development using Android
- Network Security

**Internship (Compulsory)**

## MPU subjects

**1. Compulsory**
- Appreciation of Ethics and Civilisations (Local Students) / Communicating in Malay 2 (International Students)
- Philosophy and Current Issues
- Integrity and Anti-Corruption
- Community Service
- Bahasa Kebangsaan A*

**2. Electives (choose one)**
- Social Entrepreneurship
- CSR Excellence: Building Responsible Enterprises

# BACHELOR OF COMPUTER SCIENCE (HONS)

**ONLINE LEARNING**

IBM Innovation Centre for Education
INTI DEGREE IN COMPUTER SCIENCE
( Business Analytics, Cloud Computing )
in collaboration with
INTI INTERNATIONAL UNIVERSITY

cisco Networking Academy

The aim of this programme is to introduce the concepts and technologies of computing, in particular software development, network and security, mobile computing, business analytics and cloud computing. The programme will introduce skills and concepts related to the design, development, and deployment of computing applications. Concepts related to general computing such as database, system analysis and design, user experience design and programming will also be included.

Besides concepts and theories related to computer science, this programme also aims to provide students with practical skills that meet the demands of the computing industry, especially in software development, data analysis, cloud architecture, mobile application and network security. Students will also learn soft skills which are required in today's business environment.

## Highlights

- Students can choose their specialisation track from Year 2 onwards
- This programme covers part of the industry recognised CCNA syllabus. Students can move on to the advanced CCNA module upon programme completion at INTI
- Internship opportunities with organisations like INTEL Technology, Sony, CSC Malaysia, Khind Holdings Berhad, Silverlake Sprints and more
- Further, upon completion of all IBM courses, students will be eligible for an IBM Badge in Business Analytics or IBM Badge in Cloud Computing, along with an IBM-ICE transcript indicating the successful completion of all the 8 IBM-ICE modules within the INTI Bachelor of Computer Science (Hons) Business Analytics or INTI Bachelor of Computer Science (Hons) Cloud Computing programme

Fields of study available

**Computer Science**
Computer Science spans a wide range, from theoretical and algorithmic foundations to cutting-edge developments. Computer Science offers a comprehensive foundation that permits graduates to adapt to new technologies and ideas.

As such smart devices have dominated the landscape of computing since the last few years. With more and more smart devices that behave like a mini computer in the markets nowadays, in keeping up with the demand for their applications, many software houses are looking towards building APPs. It will fulfill the current market demand for these specialised APP programmers.

**Mobile Computing**
This field of study will help students understand how basic computer networks and mobile applications work, as well as the technology behind wired and wireless networks. Skills developed include computer network design, correcting network problems, network security preventions, network management techniques and mobile programming for smart phones.

**Network and Security**
Companies are spending a lot of resources to protect their data and networks. This specialisation will enable students to protect network systems from theft, hacker attacks and breaches in network security.

**Software Development**
Students will learn to design comprehensive testing strategies, implement effective test cases, and document testing processes for ensuring the quality of software systems. This includes the ability to devise testing approaches that effectively evaluate software functionality and performance. They will also gain a clear understanding of how testing fits into the organisational framework, along with the information needs and subsequent testing requirements of an organisation.

**Business Analytics**
Business Analytics is the process of converting data into insights. With the increase in the availability of data, Analytics has now become a major differentiator in both the top line and the bottom line of any organisation. The specialisation in Business Analytics teaches the use of data and models to support decision making in business. Students learn how to model such relationships as the impact of advertising on sales, how historical data predict stock returns, and how changes in task characteristics can influence time to completion. This programme helps prepare students for careers in "economy of tomorrow" industries. They play a vital role in their organisations' technological direction. In an IT end-user industry, Business Analytics and Optimisation (BAO) responsibilities can reside in various corporate functions and departments, such as operations, product development, information systems and finance.

**Cloud Computing**
Cloud computing is one of the most exciting areas in IT today. Cloud computing is used by many businesses whose employees and customers are able to access their data with a myriad of Internet-connected devices. Therefore, these businesses do not have to build and run their own data centres, which can be very costly. The Cloud Computing and Virtualization specialisation prepares students to understand the emerging technologies of cloud computing and virtualization, their principles, modelling, analysis, design, deployment and industry-oriented applications. Major solution architectures and enabling technologies are covered.

## Offered at
INTI International University
(N-DL/0613/6/0007)(08/27)(MQA/PA15938)

## Intake (s)
JAN, MAR, MAY, AUG & OCT

## Duration
Full Time: 3 Years
Part Time: 6 Years

## Programme Structure and MPU Subjects
Please refer to Page 25

*Note: The programme structure is subject to change. Please refer to the Head of Programme.*



# BACHELOR OF COMPUTER SCIENCE 3+0

**in collaboration with**

SWINBURNE UNIVERSITY OF TECHNOLOGY
AUSTRALIA

The partnership between Swinburne and INTI aims to build on this successful relationship by providing access to transnational resources, study trips, semester abroad programmes, as well as seamless transfer opportunities for both Malaysian and Australian students between Peninsular Malaysia, Sarawak and Melbourne.

Our graduates are spread around the globe and work for some of the most dynamic organisations, from start-ups and not-for-profits to multinationals.

A degree from Swinburne means you'll have the prestige of a globally renowned university paired with the confidence that comes from genuine workplace experience.

*Please refer to Swinburne course guide for more information about Swinburne programmes.*

## Learning approach

Take a contemporary approach to software development. We believe a modern approach to the analysis, design and implementation of large-scale systems is essential for a career in software development. Our course focuses on application development involving mobile devices and web-based systems, with an emphasis on the design and implementation of effective human–computer interfaces.

You'll graduate with extensive skills in system development that can be applied in areas such as defence, aerospace and medicine, banking and manufacturing.

## Professional recognition

The Bachelor of Computer Science is professionally accredited by the Australian Computer Society (ACS).

acs AUSTRALIAN COMPUTER SOCIETY

## Offered at

INTI International College Subang
(N/481/6/0822)(01/2025)(MQA/FA12564)

**INTAKES: MAR & AUG**

## Duration

3 Years

## Majors available:

- Cybersecurity
- Data Science
- Software Development

**Cybersecurity**
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.

**Data Science**
Learn the statistical methods and tools needed to manage big data sets and the visualisation techniques needed to represent and understand that data.

**Software Development**
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.

# BACHELOR OF INFORMATION AND COMMUNICATION TECHNOLOGY 3+0

**in collaboration with**

SWINBURNE UNIVERSITY OF TECHNOLOGY

AUSTRALIA

The partnership between Swinburne and INTI aims to build on this successful relationship by providing access to transnational resources, study trips, semester abroad programmes, as well as seamless transfer opportunities for both Malaysian and Australian students between Peninsular Malaysia, Sarawak and Melbourne.

Our graduates are spread around the globe and work for some of the most dynamic organisations, from start-ups and not-for-profits to multinationals.

A degree from Swinburne means you'll have the prestige of a globally renowned university paired with the confidence that comes from genuine workplace experience.

## Learning approach

Assess and analyse the appropriateness of methodologies and technologies for the design and implementation of ICT solutions.

The Bachelor of Information and Communication Technology (ICT) equips students with the knowledge and skills necessary for a career as an ICT professional. Study network configurations, web and app programming, database design and more, and even specialise in a particular aspect of ICT-related work. Discover how to enhance and maintain existing applications, as well as assist in make appropriate software choices for any organisation's needs and learn about the design, installation, and management of complex ICT infrastructure.

## Professional recognition

The Bachelor of Information and Communication Technology is accredited with the Australian Computer Society (ACS) at the professional level at the Hawthorn (Melbourne). Under the ACS guidelines, accreditation at any location can only be granted after the first graduates complete the programme at the location.

AUSTRALIAN COMPUTER SOCIETY

## Offered at

INTI International College Subang
(N/0611/5/0053)(12/28)(MQA/PA17036)

**INTAKES: MAR & AUG**

## Duration

3 Years

## Majors available:

- Network Technology
- Software Technology

## Network Technology

**Bachelor of Information and Communication Technology with a major in Network Technology**
Learn about the design, installation, management of complex ICT infrastructure, plan and deploy secure network systems utilising current practices in IP technologies, network security, and scalable server deployment. Subjects in the Network Technology specialisation include: Cloud Computing Architecture, Networks and Switching, Network Routing Principles, Advanced Web Development, Data Visualisation, ICT Innovation Project, ICT Design Project, Secure Remote Access Networks, Enterprise Network Server Administration.

## Software Technology

**Bachelor of Information and Communication Technology with a major in Software Technology**
With a Swinburne Software Technology major you'll learn software, how to enhance it, and what to use when, as you program yourself for a well-paid career. Discover how to enhance and maintain existing applications, as well as assist in make appropriate software choices for any organisation's needs.

Subjects in the Software Technology specialisation include: Cloud Computing Architecture, Object Oriented Programming, Data Visualisation, ICT Innovation Project, ICT Design Project, Software Development for Mobile Devices, Advanced Web Development, Interface Design and Development.

*Please refer to Swinburne course guide for more information about Swinburne programmes.*



# BACHELOR OF TECHNOLOGY (HONOURS) DATA SCIENCE

In a world driven by data, this cutting-edge programme offers a unique opportunity to set you on a path to become a technology-savvy data scientist. Rooted in a robust set of objectives designed to mould you into a versatile and highly skilled professional, our approach encompasses various dimensions.

This includes a strong emphasis on Professional Knowledge, allowing you to delve deep into computer science principles, professional standards, and best practices – the very cornerstones of your expertise in data science. Furthermore, our curriculum places significant value on Communication and Leadership, the cultivation of Technical Excellence, the refinement of Digital Proficiency, and the nurturing of a culture of Innovation and Lifelong Learning, all of which lie at its core.

Programme Accredited by:

MBOT
LEMBAGA TEKNOLOGIS MALAYSIA

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

## Highlights

- Incorporates substantial interactive components and internationalisation elements
- Modules related to innovation in advanced technology and innovative techniques are integrated into the programme
- Unique specialisations focus on the application of data science to emerging technologies:
  - Internet of Things (IoT)
  - Robotics
  - Big Data
  - FinTech

## Career Opportunities:

Data Analyst, Data Engineer, Database Administrator, Machine Learning Engineer, Data Scientist, Data Architect, Statistician, Business Analyst, Data and Analytics Manager.

## Offered at

INTI International University
(N/0613/6/0032)(07/28)(MQA/PA16185)

**INTAKES: JAN, MAY & AUG**

## Duration

3 Years

## Program structure

**Common Core Modules**
- Data Communications and Networking
- Data Structures and Algorithms
- Information Security and Ethics
- Introduction to Database Systems
- Mathematics for Computing
- Object-Oriented Programming
- Programming Techniques
- Quantitative Methods
- Systems Analysis and Design

**Discipline Core Modules**
- Artificial Intelligence
- Calculus and Linear Algebra
- Data Mining and Predictive Analytics
- Data Warehouse
- Introduction to Data Analytics
- IT Project Management
- Machine Learning
- Regression Analysis
- Software Engineering
- Time Series and Forecasting
- User Experience (UX) Design
- Web Programming

**Specialisation Modules**

**1.Internet of Things (IOT)**
- Cloud Security
- Embedded Systems
- Internet of Things (IoT) Infrastructure
- Introduction to Cloud Computing and Virtualisation
- Introduction to Internet of Things (IoT)

**2.Big Data**
- Big Data Analytics
- Business Intelligence
- Knowledge Management
- Natural Language Processing
- Social, Web and Mobile Analytics

**3. Robotics**
- Embedded Systems
- Internet of Things (IoT) Infrastructure
- Introduction to Internet of Things (IoT)
- Introduction to Robotic Programming
- Robotics

**4. Fintech**
- Advanced Financial Decision Making
- Blockchain Technology
- Business Intelligence
- Financial Management
- FinTech

## MPU subjects

**1. Compulsory**
- Appreciation of Ethics and Civilisations (Local students) / Communicating in Malay 2 (International students)
- Philosophy and Current Issues
- Integrity and Anti-Corruption
- Community Service
- Bahasa Kebangsaan A*

**2. Elective (choose one)**
- Social Entrepreneurship
- CSR Excellence: Building Responsible Enterprises

**Final Year Project**
- Project I
- Project II

**Internship**

# BACHELOR OF INFORMATION TECHNOLOGY (HONS)

**in collaboration with**

Coventry University

Innovation Centre for Education
INTI DEGREE IN INFORMATION TECHNOLOGY
( Business Analytics )
in collaboration with
INTI INTERNATIONAL UNIVERSITY

Networking Academy

This programme aims to produce graduates with competent Information Technology (IT) skills in the area of Business Analytics. IT plays an increasingly important role in the success of organisations of all sizes. As companies expand, they rely more on sophisticated tools and specially trained personnel to make technology a competitive advantage. Gartner Inc. predicts that 30% of the enterprise business drivers will align with analytics completely, considering the increasing consumerisation of BI (e.g., mobile BI), the growing volume and variety of available data, and the soaring speed of business.

QAA Committed to the Quality of UK TNE Scheme Partner

**Committed to quality with Coventry University**

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



## Highlights

- Incorporation of professional syllabuses such as IBM and CISCO
- Students will be exposed to real company projects with collaboration from our industry partners
- A 18-week internship with prestigious industry partners such as Intel Technology, CSC Malaysia, Standard Chartered – Scope International, Profitera, Silverlake Sprints and many more
- Strong applied knowledge, with more than 50% hands-on experience
- Further, upon completion of all IBM courses, students will be eligible for an IBM Badge in Data Science, along with an IBM-ICE transcript indicating the successful completion of all the 8 IBM-ICE modules within the INTI Bachelor of Information Technology (Hons) Business Analytics programme

## Field of study available

**Information Technology**
Information Technology refers to all aspects of computing. It often refers to meeting the technological needs of business, government, healthcare, schools and other kinds of organisations through the selection, creation, application, integration and administration of computing technologies.

Student will receive 2 awards upon completion: A Bachelor of Information Technology (Hons) from INTI International University and a BSc. (Hons) from the Coventry University, UK.

**Business Analytics**
Business Analytics is the process of converting data into insights. With the increase in the availability of data, Analytics has now become a major differentiator in both the top line and bottom line of any organisation. The specialisation in Business Analytics teaches the use of data and models to support decision making in business. Students learn how to model such relationships as the impact of advertising on sales, how historical data predict stock returns and how changes in task characteristics can influence time to completion. This programme helps prepare students for careers in "economy of tomorrow" industries. They play a vital role in their organisations' technological direction. In an IT end-user industry, Business Analytics and Optimisation (BAO) responsibilities can reside in various corporate functions and departments, such as operations, product development, information systems and finance.

For IT consulting/services and IT products organisations, BAO consultants lead large-scale data warehousing and business intelligence projects, advising large clients the world over in reshaping their businesses.

Career Prospects
Business Analytics Strategy Consultants, Business Intelligence and Performance Management Consultants, Advanced Analytics and Optimisation Consultants, Enterprise Information and Management Consultants, Enterprise Content Management Consultants and more

Student will receive 2 awards upon completion: A Bachelor of Information Technology (Hons) from INTI International University and a BSc. (Hons) from the Coventry University, UK.

*Note: The programme structure is subject to change. Please refer to the Head of Programme.*

## Offered at

INTI International University
(R2/482/6/0211)(07/27)(MQA/FA1984)

**INTAKES: JAN, MAY & AUG**

## Duration

3 Years

## Programme structure

**Level 1**
- Computer Architecture
- Fundamentals of Operating System
- Graphic Design
- Information Security and Ethics
- Introduction to Business Analytics (IBM Module)
- Introduction to Database Systems
- IT Infrastructure Landscape (IBM Module)
- Mathematics for Computing
- Object-Oriented Programming
- Programming Techniques
- Systems Analysis and Design

**Level 2**
- Computer Communication & Networks
- Enterprise Resource Planning
- Human Computer Interface
- IT Project Management
- Quantitative Methods
- System Development Tools and Techniques

Business Analytics specialisation electives
- Data Mining & Predictive Analytics (IBM Module)
- Datawarehouse and Multidimensional Modelling (IBM Module)

General (without specialisation) electives
- IT Service Management
- Software Testing

**Level 3**
- Agile Development
- Emerging Technology
- Mobile Application Development using Android (IBM Module)
- Project I
- Project II
- Web Programming (IBM Module)

Business Analytics specialisation electives
- Business Intelligence (IBM Module)
- Social, Web and Mobile Analytics (IBM Module)
- Big Data Analytics (IBM Module)

General (without specialisation) electives
- Ubiquitous Computing
- Technopreneurship
- Knowledge Management

**Internship (Compulsory)**

## MPU subjects

**1. Compulsory**
- Appreciation of Ethics and Civilisations (Local Students) / Communicating in Malay 2 (International Students)
- Philosophy and Current Issues
- Integrity and Anti-Corruption
- Community Service
- Bahasa Kebangsaan A*

**2. Electives (choose one)**
- Social Entrepreneurship
- CSR Excellence: Building Responsible Enterprises

# AMERICAN DEGREE TRANSFER PROGRAM (AUP)

Having pioneered the introduction of American education more than 35 years ago, INTI has the most established American Degree Transfer Program (AUP) in Malaysia.

Students have the opportunity to choose from over 300 universities in the US and Canada. Many INTI students have been accepted into prestigious Ivy League and Ivy-equivalent universities.

## Offered at

INTI International College Subang
Applied Science: (R3/0500/6/0001)(09/29)(A5761)

INTI International College Penang
Applied Science: (R3/545/6/0064)(01/26)(A7301)

**INTAKES: JAN, MAY & AUG**

## Duration

2 Years

## Program structure

This program enables students to complete up to 2 years of the degree studies at INTI before transferring to the US or Canada to complete their studies.

Popular majors (partial list) pursued by AUP students are:

- Business Information Technology
- Computational Biology
- Computer Information Systems
- Computer Science
- Cyber Security / Information Assurance
- Management Information Systems
- Multimedia Deployment / Systems
- Software Development / Programming

## Popular universities for computing

**US universities**

- Indiana University of Pennsylvania
- Iowa State University
- Kansas State University
- Michigan State University
- Ohio State University
- University at Albany
- University at Buffalo
- University of Central Oklahoma
- University of Iowa
- University of Kansas, Lawrence
- University of Minnesota, Twin Cities
- University of Mississippi
- University of Missouri, Kansas City
- University of Nebraska-Lincoln
- University of Oklahoma, Norman
- University of Wisconsin-La Crosse
- University of Wisconsin-Madison
- University of Wisconsin-Stout
- Wichita State University
- Winona State University

**Canadian Universities**

- Acadia University
- Trent University
- University of Lethbridge
- University of Manitoba
- University of New Brunswick
- University of Saskatchewan
- University of Waterloo
- University of Windsor

*For more information, please refer to the American Degree Transfer Program (AUP) brochure.*



# MASTER IN INFORMATION SYSTEMS

**in collaboration with**

sas

The Master in Information Systems is designed to meet the needs of students who want to build a strong background in information systems and the application of information and communications technology in business.

The curriculum combines technical knowledge courses with insightful courses focused on technology management with the aim to nurture a new generation of leaders who can capitalize on the growing importance of a variety of technology-enabled innovations to expand the boundaries of business and gain competitive advantage in the increasingly interconnected global economy.

*Note: Programme structure is subject to change.*

**Students will receive a Joint Certificate and Digital Badge in Advanced Analytical Techniques for IT Professional from SAS Institute upon graduation.**

## Offered At

INTI International University
(R/0611/7/0007)(11/28)(MQA/FA11172)

**INTAKES: JAN, MAY & SEP**

## Duration

1 Year (Full-time)
2 Years (Part-time)

## Course Structure

Core modules

- Intelligent Decision Support System (SAS module)
- Future Informatics (SAS module)
- Research Methods for Computing (SAS module)
- System Development Tools & Techniques
- Innovation & Knowledge Management
- IT Strategy
- Project

Specialisation modules

- Enterprise Systems
- Big Data Leverage
- Business Simulation

## Entry Requirements

i. A Bachelor's Degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.50, as accepted by the University Senate; OR

ii. A Bachelor's Degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.00 and not meeting a CGPA of 2.50 can be accepted subject to a thorough rigorous assessment as determined by the university; OR

iii. A Bachelor's Degree (Level 6, MQF) in non-Computing field with a minimum CGPA of 2.00 can be accepted subject to appropriate prerequisite courses; OR

iv. Other qualifications equivalent to a Bachelor's Degree (Level 6, MQF) in Computing or related fields recognised by the Government of Malaysia must fulfil the requirement on item (i) or (ii).

v. Candidates are required to achieve a minimum score of 6.0 in IELTS, 550 in TOEFL or its equivalent.

## English Language Requirements

- TOEFL 550 or IELTS 6.0

## Other Qualifications

Applicants with non-Computing qualifications are required to take an additional course, namely Fundamental of Computing.

# MASTER IN INFORMATION TECHNOLOGY

**in collaboration with**

SAS

This programme provides students with advanced technical IT skills and expertise in computing, distributed computing, spatial information, human-computer interaction and artificial intelligence.

Students will be equipped to create technical solutions and drive success in business, government, health, entertainment, society and more.

Learn the critical skills needed to manage and implement computer systems at different scales. Develop the advanced technical expertise and teamwork skills to keep you at the forefront of the IT industry, and have the opportunity to apply them through our industry-based learning subjects.

**Students will receive a Joint Certificate and Digital Badge in Advanced Analytical Techniques for IT Professional from SAS Institute upon graduation.**

## Offered At

INTI International University
(R/0611/7/0006)(11/28)(MQA/FA11171)

**INTAKES: JAN, MAY & SEP**

## Duration

1 Year (Full-time)
2 Years (Part-time)

## Course Structure

Core Modules
- Intelligent Decision Support System (SAS module)
- Future Informatics (SAS module)
- Research Methods for Computing (SAS module)
- System Development Tools & Techniques
- Innovation & Knowledge Management
- IT Strategy
- Project

Specialisation Modules
- Network Security
- IT Project Management
- Ubiquitous Computing

## Entry Requirements

i. A Bachelor's Degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.50, as accepted by the University Senate; OR

ii. A Bachelor's Degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.00 and not meeting a CGPA of 2.50 can be accepted subject to a thorough rigorous assessment as determined by the university; OR

iii. A Bachelor's Degree (Level 6, MQF) in non-Computing field with a minimum CGPA of 2.00 can be accepted subject to appropriate prerequisite courses; OR

iv. Other qualifications equivalent to a Bachelor's Degree (Level 6, MQF) in Computing or related fields recognised by the Government of Malaysia must fulfil the requirement on item (i) or (ii).

v. Candidates are required to achieve a minimum score of 6.0 in IELTS, 550 in TOEFL or its equivalent.

## English Language Requirements

- TOEFL 550 or IELTS 6.0

## Other Qualifications

Applicants with non-Computing qualifications are required to take an additional course, namely Fundamental of Computing.

*Note: Programme structure is subject to change.*



# MASTER IN INFORMATION TECHNOLOGY

**ONLINE LEARNING**

**in collaboration with**

SAS

This programme provides students with advanced technical IT skills and expertise in mobile and ubiquitous computing, IT strategy and project management, IT security, and artificial intelligence.

Master in Information Technology - Online Learning graduates will have the knowledge and skills to manage and lead information and information technology-related activities in an organisation in strategic, operational, and project environments. This programme provides opportunities for experienced IT professionals to enhance and apply their skills within emerging technology-driven growth areas including IT, Communications, Management, Business, and Entrepreneurship.

## Highlights

Learn the critical skills needed to manage and implement computer systems at different scales. Develop the advanced technical expertise and teamwork skills to keep you at the forefront of the IT industry and have the opportunity to apply them through our industry-based learning subjects.

Students will receive a Joint Certificate and Digital Badge in Advanced Analytical Techniques for IT Professional from SAS Institute upon graduation.

## Career Opportunities

IT Consultant, Data Analysts, Business Analyst, Project Manager, Application Engineer, Enterprise Manager, Support Engineer, IT Security Manager, Compliance Associate, Business Research Consultant and more.

## Programme Structure

Core Modules
- Intelligent Decision Support System (SAS module)
- Future Informatics (SAS module)
- Research Methods for Computing (SAS module)
- System Development Tools & Techniques
- Innovation & Knowledge Management
- IT Strategy
- Project

Specialization Modules
- Network Security
- IT Project Management
- Ubiquitous Computing

## Offered At

INTI International University
(N-DL/0611/7/0001)(04/27)(MQA/FA15161)

**INTAKES: JAN, MAR, MAY, AUG & OCT**

## Duration

1 Year 2 Months (Full-time)
2 Years (Part-time)

## Entry Requirements

i) A Bachelor's Degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.50, as accepted by the University Senate; OR

ii. A Bachelor's Degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.00 and not meeting a CGPA of 2.50 can be accepted subject to a thorough rigorous assessment as determined by the university; OR

iii. A Bachelor's Degree (Level 6, MQF) in a non-Computing field with a minimum CGPA of 2.00 can be accepted subject to appropriate prerequisite courses; OR

iv. Other qualifications equivalent to a Bachelor's Degree (Level 6, MQF) in Computing or related fields recognised by the Government of Malaysia must fulfil the requirement of item (i) or (ii).

## English Language Requirements

- TOEFL 550 or IELTS 6.0

## Other Qualifications

Applicants with non-Computing qualifications are required to take an additional course, namely Fundamental of Computing.

*Note: Programme structure is subject to change.*

# MASTER OF SCIENCE IN DATA SCIENCE
(BY RESEARCH)

Data Scientist was ranked the best job in several job advertisement platforms from 2016 to 2019. The Covid-19 pandemic, on the other hand, had accelerated the arrival of the big data era, and the new norm had stimulated the growth of daily data transmission. Every business in the new norm had started to appreciate the value brought by the data in making their business decisions. Master of Science in Data Science is a research programme that enables students to focus on a specific topic or area of research with a heavy emphasis on self-directed work.

This programme aims to develop leaders and experts in data science with positive attitudes to maximize the utilization and advancement of Science and Technology, as a tool for sustainable economic development, and improving the quality of life.

## Highlights

This is a research-based programme which is suitable for anyone who would like to embark into the master qualification journey. It is flexible and open to all graduates and working adults.

## Career Opportunities

Data Analysts, Business Analyst, Project Manager, System Engineer, Enterprise Manager, Data Scientist, Machine Learning Engineer, Machine Learning Scientist, Applications Architect, Enterprise Architect, Data Architect, Infrastructure Architect, Data Engineer, Compliance Associate, Business Research Consultant, and many more.

## Programme Structure

- Research Methodology
- Proposal Defense
- Research Dissertation Supervision
- Viva Voce in the final year
- Students are required to produce a dissertation for fulfillment of the graduation requirement

## Offered At

INTI International University
(N/481/7/0830)(12/26)(MQA/PA15143)

**INTAKES: JAN, MAY & SEP**

## Duration

2 Years (Full-time)
3 Years (Part-time)

## Entry Requirements

i. A Bachelor's Degree in Computing or in the area of science and technology or related to computing, with a minimum CGPA of 3.00; OR
ii. A Bachelor's Degree in Computing or in the area of science and technology or related to computing, with CGPA below 3.00 but above 2.50, can be accepted subject to rigorous internal assessment process; OR
iii. A Bachelor's Degree in Computing or in the area of science and technology or related to computing, with CGPA less than 2.50, with a minimum of 5 years working experience in a relevant field may be accepted

Note: Candidates without a qualification in the related fields or relevant working experience must undergo appropriate prerequisite courses determined by the university and meet the minimum CGPA based on (i) to (iii).

## English Language Requirements

IELTS 6.0, MUET Band 4 or equivalent



# DOCTOR OF PHILOSOPHY (DATA SCIENCE)
(BY RESEARCH)

The Doctor of Philosophy in Data Science is a full research programme, which enables students to focus on specific areas of research while placing a strong emphasis on self-directed work. This will impart the students on the knowledge to become experts in the field and equip them with management skills, positive personal qualities and self-motivation. This programme aims to develop data science experts and leaders with positive attitudes and values who will become a catalyst for the nation's aspiration towards an innovative community and using science and technology as a tool for sustainable management and development.

*Note: Programme structure is subject to change.*

## Highlights

Data science is a field that works with a large amount of data and uses cutting-edge tools and techniques to uncover hidden patterns which aids the business processes specifically in the decision-making process. Data science leverages on advanced statistical predictive analyses and machine learning. Data Scientist has been ranked among the best jobs since 2016.

## Career Opportunities

Data Analyst, Business Analyst, Project Manager, System Engineer, Enterprise Manager, Data Scientist, Machine Learning Engineer, Machine Learning Scientist, Applications Architect, Enterprise Architect, Data Architect, Infrastructure Architect, Data Engineer, Compliance Associate, Business Research Consultant and more.

## Programme Structure

- Research Methodology
- Proposal Defence
- Research Thesis Supervision
- Students are required to produce a minimum 40,000-word thesis for fulfilment of the graduation requirement
- Must publish a minimum of one paper in an international journal
- Viva Voce in the final year

## Entry Requirements

i. A Master's Degree (Level 7, MQF) in Computing or related fields as accepted by the University Senate; OR
ii. A Master's Degree (Level 7, MQF) in non-Computing fields with a minimum of FIVE (5) years of working experience in Computing or related fields must undergo appropriate prerequisite courses as determined by the university; OR
iii. A Master's Degree (Level 7, MQF) in non-Computing fields with less than FIVE (5) years of working experience in Computing or related fields must undergo a thorough rigorous assessment as determined by the university to identify the appropriate prerequisite courses that are equivalent to their working experience in Computing or related fields; OR
iv. Other qualifications equivalent to a Master's Degree (Level 7, MQF) in Computing or related fields recognised by the Government of Malaysia as equivalent to the above requirement.

Meet any one of the following English language requirements:
i. A Master's Degree conducted in English*; or
ii. Credit 6 in MCE / SPM / GCE level; or
iii. IELTS score of 6.0; or
iv. Equivalent score from any of the above obtained at undergraduate level at a recognised university*.

* A copy of the document from the university is required during submission as proof of English proficiency.

## Offered at

INTI International University
(N/0613/8/0001)(03/27)(MQA/PA15291)

**INTAKES: JAN, MAY & SEP**

## Duration

Full-time: 3 Years
Part-time: 4 Years

# DOCTOR OF PHILOSOPHY (INFORMATION SYSTEMS)
(BY RESEARCH)

The programme enables students to undertake specialised and applied in-depth research work in computer science, mobile computing, network security, software engineering, business analytics, multimedia and games development, and other relevant areas as well as emerging disciplines, which can contribute to the body of knowledge and the enhancement of technologies, as approved by the faculty.

## Highlights

- Prepares students for academic careers in colleges/universities and high-level positions in government, public and private sectors; in addition to information technology consultancy/advisory work that helps build the country's intellectual capital and wealth
- Enables students to contribute to the growth of the national and global economy
- Students play a part in achieving the national transformation agenda to develop and build a pool of distinguished researchers focused on national and international research.

## Research Areas

- Internet of Things (IoT)
- Search Engine Optimisation
- Smart Education System
- Mobile Commerce
- Knowledge Management System
- Cloud Computing
- Business Analytics
- Network Security

## Programme Structure

- Research Methodology
- Proposal Defense
- Research Thesis Supervision
- Students must produce a minimum 40,000-word thesis to fulfil the graduation requirements
- Must publish a minimum of one paper in an international journal

## Entry Requirements

i. A Master's Degree (Level 7, MQF) in Computing or related fields as accepted by the University Senate; OR
ii. A Master's Degree (Level 7, MQF) in non-Computing fields with a minimum of FIVE (5) years of working experience in Computing or related fields must undergo appropriate prerequisite courses as determined by the university; OR
iii. A Master's Degree (Level 7, MQF) in non-Computing fields with less than FIVE (5) years of working experience in Computing or related fields must undergo a thorough rigorous assessment as determined by the university to identify the appropriate prerequisite courses that are equivalent to their working experience in Computing or related fields; OR
iv. Other qualifications equivalent to a Master's Degree (Level 7, MQF) in Computing or related fields recognised by the Government of Malaysia as equivalent to the above requirement.

Meet any of these following English language requirements:
i. A Master's Degree conducted in English*; OR
ii. IELTS score of 6.0; OR
iii. Equivalent score from any of the above obtained at undergraduate level at a recognised university*.

* A copy of the document from the university is required during submission as proof of English proficiency.

## Offered at

INTI International University
(R2/482/8/0128)(10/27)(MQA/FA0030)

**INTAKES: JAN, MAY & SEP**

## Duration

Full-time: 3 Years
Part-time: 4 Years

*Note: Programme structure is subject to change.*



# HEAR WHAT OUR ALUMNI SAY

"I chose INTI because of its collaboration with Coventry University, which allowed me to attain a UK degree in Malaysia. My time at INTI was a positive experience; the lecturers were very supportive, and we were given opportunities to engage in various employer projects. These projects not only provided me with the chance to refine my technical skills but also facilitated the development of essential soft skills necessary for the real world."

**SIM JIN YI**
Grab Malaysia, Full Stack Software Engineer
Bachelor of Science with Honours in Computer Science 3+0, in collaboration with Coventry University, UK

"INTI's Computer Science programme curriculum guarantees a total student experience – academic, co-curricular and extra-curricular (including work experience). The Leadership Series where students participate in group sessions with top management executives of established companies and the Employer Project (EP) where students could gain hands-on work experience ensured I was 'work-ready' when graduated. I am still benefitting from the experience I gained from my EP at MIMOS in my current job."

**LOH SHER-MAINE**
Software Developer, Excel Force MSC Berhad
Bachelor of Computer Science (Hons)

"I chose to study at INTI University mainly because of the wide range of Information Technology courses available. The employer project arranged by INTI University was incredibly helpful, as it enabled me to develop my skill sets. I can now confidently present and communicate my ideas in my current job, which requires me to manage a team of developers and handle customer demand."

**HANK SCHERMANN GONZALES**
Software Development Team Lead, Amdocs
Bachelor of Information Technology (Hons)

"Precise. Thorough. Relevant. These three words sum up my experience earning my diploma and degree at INTI. I was exposed to a wide range of ICT subjects and was astounded when at the end of the course, I could clearly see how these areas were connected! I gained valuable work experience from the Employer Project (EP) and was elated when offered internship by one of the EP partner companies."

**ADRIAN KHOR YUNG KIAN**
IT Engineer, Human Resocia Co. Ltd.
Bachelor of Science with Honours in Computer Science 3+0, in collaboration with Coventry University, UK


"I chose to study at INTI because of its partnership with Coventry University. At INTI, I not only gain a strong foundation in Computer Science but also have the opportunity to participate in real-world employer projects. These projects allow us to interact with industry professionals and understand the skills in demand. Additionally, they help us enhance our soft skills and technical abilities, ensuring we are well-prepared for success."

**TAN HOE THENG**
Senior Android Software Engineer, Grab Malaysia
Bachelor of Science in Computer Science 3+0 in collaboration with Coventry University, UK



# EMPLOYER TESTIMONIALS

## FLEX

"INTI's computer science student, Lim Yu Tai has demonstrated excellent performance during his internship at Flex Malaysia. He successfully developed the "Data Translation Tools – Bills of Material" for the production engineering department ahead of schedule and exceeded our expectations. We are pleased that he will be continuing to work on our Phase 2 enhancement to expand the scope to our Material and Purchasing teams. I am confident that he will continue his good work and make a positive contribution. It is heartening to see such great potential in the next generation of Malaysians!"

**Kevin Tan** ( Director of Product Development )

## HCL TECHNOLOGIES MALAYSIA

"Our collaborations with INTI have been amazing. We find INTI students to be proactive, knowledgeable, and fast learners. Because of that, we have no hesitation in hiring INTI graduates."

**Eric Chang** ( Delivery Head - Malaysia )

## DELL TECHNOLOGIES

"We have partnered with INTI for the last 10 years and hired many great digital talents through our flagship "Hack-2-Hire" programme. INTI graduates have done extremely well at Dell, making an impact every single day for our digital future."

**Koay Tze Siang**
( Senior Director, Dell Digital )
( General Manager, Dell Cyberjaya )

## MICROSOFT MALAYSIA

"It has been a privilege to be part of INTI's Advisory Board and a mentor for student projects. It is heartening to see the quality that INTI students bring, and their projects are clear evidence that INTI has equipped them with the right knowledge and experiences for them to be future ready to build our nation."

**Ng Kim Kean** ( Head of Marketing )

# EMPLOYER PROJECTS

INTI has established close ties with leading companies in the industry to develop employer projects to enable students to gain real, hands-on work experience while studying. Through these projects, students are presented with immediate challenges faced by businesses, and are required to work together in teams to develop and present their proposals. Projects are based on real-life business issues that will help students to develop their knowledge and apply their soft skills in actual business scenarios.

Some employer projects undertaken by our students:

- **ADVANCED PLANNER SIMULATOR**
  FedEx
  Students developed a simulator that could draft a sorting floor plan based on estimated package volumes, number of pallets/stations, number of delivery vehicles available and number of route stops before the sorting process. This advanced planner simulator accelerated the efficiency and effectiveness of the package-sorting to destination process at FedEx.

- **INTINSIDE: MOBILE SOLUTION FOR SMART BUILDING LOCATION SERVICES**
  MIMOS
  Students were tasked to build an android app that would provide navigation services to enable campus users to get around the campus easily and keep them updated on the latest campus events.

- **IBM VERSE SUMMARIZER**
  IBM
  Students took on the challenge to create a Google Chrome extension to summarise emails and produce meaningful results. This was achieved using analytics to interpret sentiments in email messages and attachments/links for better decision-making.

- **BYOD POLICY AND SETA PROGRAM**
  Thirty Three Digitec Solutions Sdn Bhd
  Students conducted primary research to create a Bring Your Own Device (BYOD) policy and Security Education Training and Awareness (SETA) program for a company. Well implemented BYOD and SETA initiatives protect company assets, enhance organisational security to prevent unauthorised access. data breaches. and other cyber threats.

- **POWER REPO MOBILE APPLICATION**
  KOLLECT Systems
  Students developed a re-possessor mobile app to help banks' third-party re-possessors obtain the list of cars to repossess, capture the image of the vehicles and update the bank on all steps taken.

# COMPUTING COMPETITIONS AND STUDENT ACTIVITIES

## STUDY TRIP TO COVENTRY UNIVERSITY, UK

Students from the School of Computing and Engineering participated in a study trip to Coventry University, UK.

## IBM BOOTCAMP

Students were selected to join the IBM Troopers at the IBM BootCamp. Following their outstanding presentations, these students were the invited by IBM to spend a day at IBM Plaza, where they gained valuable insights into IBM's business processes.

## JABIL GLOBAL BUSINESS SERVICES SAP COMPETITION

INTI students emerged first runner-up in a competition during a SAP Bootcamp organised by Jabil GBS. They engaged in a case study centred on SAP and presented their ideas to a panel of judges, including SAP professionals and representatives from Jabil.


## WORLD CONGRESS FOR INNOVATION TECHNOLOGY

The World Congress for Innovation and Technology convenes global digital communities and professionals from science, technology, and the humanities to explore contemporary issues and advancements in the Digital Age. At this conference, Wong Kai Wern, a Bachelor of Computer Science in collaboration with Coventry University student, presented his final year project. The Flood Aid Application features notifications for potential floods, real-time sensor data visualisation, graphical and textual views of scheduled sensor data, donation capabilities for flood victims, and emergency shelter location and contact information. The Penang Chief Minister Chow Kon Yeow expressed keen interest in the project and commended the student for his achievement.

# Get Connected with INTI!

NEWINTI.EDU.MY

INTI.edu

INTI_edu

INTI_edu

INTI.edu

INTI International University & Colleges

**INTI NETWORK**

**INTI INTERNATIONAL UNIVERSITY** DU022(N)
**06-798 2000** | Persiaran Perdana BBN, 71800 Putra Nilai

**INTI INTERNATIONAL COLLEGE SUBANG** DK249-01(B)
**03-5623 2800** | No. 3, Jalan SS15/8, 47500 Subang Jaya

**INTI INTERNATIONAL COLLEGE PENANG** DK249-02(P)
**04-631 0138** | No. 1-Z, Lebuh Bukit Jambul, 11900 Penang

**INTI COLLEGE SABAH** DK249-03(S)
**088-489 111** | Level 2 (South Wing) & Level 5, KM10,
Jalan Tuaran Bypass, 88450 Kota Kinabalu, Sabah

**INTI EDUCATION COUNSELLING CENTRES** (266729-P)

**PERAK** 05-241 1933 | No. 258, Jalan Sultan Iskandar, 30000 Ipoh
**JOHOR** 07-364 7537 | No. 25, 25-01, Jalan Austin Heights 8/1, Taman Austin Heights, 81100 Johor Bahru
**PAHANG** 09-560 4657 | B16, Jalan Seri Kuantan 81, Kuantan Star City II, 25300 Kuantan
**SARAWAK** 082-265 897 | Ground Floor SL. 38. Lot 3257, Block 16, Gala City, Jalan Tun Jugah, 93350 Kuching



Published: MAR2025