**INTI** International University & Colleges™

YOUR FUTURE BUILT TODAY

# COMPUTING & INFORMATION TECHNOLOGY

# YOUR FUTURE BUILT TODAY

At INTI, our mission is to bridge the needs of tomorrow through the competencies our students gain today, empowering them to become the leaders, innovators and game changers of the future. We are committed towards ensuring our students gain the competencies needed for the workplace of the future, and to work alongside the digital transformations driving today's global businesses in the **Fourth Industrial Revolution.**

RANKED IN THE
## TOP 600 UNIVERSITIES IN THE WORLD

**QS** WORLD UNIVERSITY RANKINGS
2024

QS WORLD UNIVERSITY RANKINGS
2024
IN THE TOP
**600**
IN THE WORLD

RANKED IN THE
## 2023 QS WORLD UNIVERSITY RANKINGS: ASIA

RANKED ASIA
QS WORLD UNIVERSITY RANKINGS
2023

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**35+**
years of empowering young minds

**4**
campuses across Malaysia

**13,000+**
students currently served

**1,000+**
employees nationwide

**86,000+**
graduates whose lives we have touched

INTI GRADUATE EMPLOYABILITY SURVEY 2017 VALIDATED BY BDO

**99%**
of INTI graduates are employed **within 6 MONTHS** of graduation

**91%**
of INTI graduates are **PAID HIGHER** than the market minimum average

**60%**
of INTI graduates **get job offers BEFORE** they graduate

3

# WHY INTI?

## 800+
### Industry Partners
INTI collaborates with more than 800 industry partners including local and global organisations such as IBM, Google, FedEx, Shell, Unilever, Intel, Microsoft, Huawei, SAS, DELL and more.

## 1000+ World Class
### Employer Projects
More than 1000 world class employer projects since 2010

## 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.

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

## 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.

## 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.

## 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.

## 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.

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# 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 programmes in partnership with some of the world's highest rated universities. These partnerships help to enhance your academic credentials and offer you access to some of the most prestigious institutions of higher learning globally.

Coventry University
University of Hertfordshire UH
Sheffield Hallam University Knowledge Applied
Southern New Hampshire University
SWINBURNE UNIVERSITY OF TECHNOLOGY
CY 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

### CANVAS LMS
Canvas is INTI's online Learning Management System (LMS), where a variety of built-in tools can be customised to provide students and lecturers with unique and accessible teaching and learning experiences.

This technologically advanced and user-friendly system provides an excellent platform to build interconnected and collaborative digital teaching and learning opportunities that foster a holistic educational experience. With Canvas desktop and mobile versions, learning can take place anywhere and at any time.

### Supplementary Learning and Assessment Tools Used:
- RAPTIVITY: Interactive Building Software ranging from games, quizzes, simulations, presentations and more
- iSTUDIO: Personal Presentation System for real-time video production role-play

## 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.

### THE MENTOR-MENTEE PROGRAMME
Expand your social circles and future horizons

### PARENT / TEACHER MEETINGS
Get valuable feedback and grow

### LINKEDIN
Building your personal brand and your link to a world of opportunities

# 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

- Industry Advisory Boards
- Industry Skills Certifications
- Employer Centric Curricula
- Internships and Job Placements
- Coaching and Mentoring







accenture · Agilent · airasia · AMD · BDO · OSRAM

AstraZeneca · CIMB · Coca-Cola Bottlers Malaysia · DELL Technologies · DXC TECHNOLOGY

ECOWORLD · FedEx Express · flex · RHB · Great Eastern · DCX

averis · HongLeong Bank · HongLeong Islamic Bank · IBM · GAMUDA · AMV+

SONY · intel · Ipsos · JABIL · KEYSIGHT · TAN CHONG GROUP

KPMG · maxis · Maybank · MOTOROLA SOLUTIONS · Hilton · Unilever

nagaddb tribal · OPPSTAR · PUBLIC BANK · PLEXUS · Microsoft

SAMSUNG · TOP GLOVE · WWF is working with INTI to build support for nature conservation in Malaysia · WWF · HUAWEI · Shell

agoda · PRESS METAL · ZUS COFFEE · AmBank · silverlake

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.

# INDUSTRY CURRICULUM INTEGRATION

**IBM**
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

**§sas**

**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

Employment

Postgraduate Degree

• Bachelor of Information Technology (Hons),
INTI International University in collaboration with Coventry University, UK
Field of study: Business Analytics / General

• Bachelor of Computer Science (Hons),
INTI International University in collaboration with Coventry University, UK
Fields of study: Mobile Computing / Software Development /
Network and Security / Cloud Computing / Business Analytics / General

• Bachelor of Computer Science 3+0 in collaboration with
Swinburne University of Technology, Australia**
Majors: Cybersecurity / Data Science / Software Development

• Bachelor of Business Information Systems 3+0 in collaboration with
Swinburne University of Technology, Australia**
Majors: Business Analysis / Data Analytics

**Credit transfer to
overseas universities:**
Flinders University, Australia
Middlesex University, UK

• Bachelor of Science with Honours in Computer Science 3+0,
Coventry University, UK
• Bachelor of Science with Honours in Computing 3+0,
Coventry University, UK
**3 Years**

**Credit transfer to overseas universities:**
• Northumbria University, UK
• University of Hertfordshire, UK
• University of Portsmouth, UK **(2+2 / 3+1)**
• University of Adelaide, Australia

STPM / UEC or equivalent

Cambridge A-Level (CAL)
**1.5 Years**

*Entry into degree\**

Foundation in
Information Technology
or equivalent
**1 Year**

Diploma in Information Technology
Diploma in Computer Science
**Min 2 Years**

Certificate in
Information Technology
**Min 1.5 Years**

SPM / O-Level or equivalent

*\*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)

**SAM:**
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

**SAM:**
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 COMPUTER SCIENCE 3+0 (BCS) / BACHELOR OF BUSINESS INFORMATION SYSTEMS 3+0 (BIS) 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 BIS)

**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 BIS, 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 BIS) 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 Foundation programme with an average of 65%. (Average of 70% in English - study must be completed not more than two years prior to commencing study at Swinburne)

**INTI Diploma:**
Having completed an INTI Diploma Programme with an average of 60% (CGPA 2.50). Credit transfer up to the equivalent of 1 year.

**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)

**Diploma:**
Diploma in Computer Science/ Software Engineering/ IT/ Information System or equivalent with an average score of 65%. Any diploma in Science and Technology or Business Studies** with minimum CGPA 2.50 are subject to university's approval

*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.*
*\*\* For Bachelor of Business Information Systems only.*

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

### Year 1 Entry
Foundation / Matriculation / A-Level / HSC / Monash University Foundation Year (MUFY) / NSW HSC / SAM / Canadian Pre-U or Ontario Secondary Diploma:
(i) Pass Foundation or Matriculation or equivalent with minimum CGPA 2.00 or pass STPM or with minimum CGPA 2.00 in any of the 2 subjects and credit in the below subject(s) in SPM:
a) Additional Mathematics; and
b) any 1 of the Science or ICT related subject

**STPM:**
(ii) Passed STPM in Science stream or equivalent with minimum Grade C (CGPA 2.00) in 1 Mathematics and 1 Science or ICT related subject, OR a minimum of Grade C (GPA 2.00) in any 2 subjects and credit in below subject(s) in SPM:
a) Additional Mathematics; and
b) 1 of the Science, Technology or Engineering subject

**Diploma:**
(iii) Diploma in Computer Science / Information Technology / Information System or equivalent with minimum CGPA of 2.5
(iv) Any Diploma in Science and Technology with minimum CGPA 2.5

*Note: Candidate that falls under category (iii) and (iv) but obtain a CGPA between 2.00 and 2.5 are eligible to enroll into the programme but has to go through internal verification with Coventry University*

### Year 2 Entry
**INTI Diploma**
Diploma in Information Technology:
Successfully completed INTI's Diploma with CGPA 2.5
*Candidate with CGPA below 2.5 but above 2.0 can be accepted, subject to internal assessment evaluation process*

Diploma in Computer Science, Information Technology, Software Engineering or equivalent:
Successfully completed a Diploma in Computer Science, Information Technology, Software Engineering or equivalent with CGPA 2.5 and credit in Mathematics and Additional Mathematics at SPM level.
*Candidate with CGPA below 2.5 but above 2.0 can be accepted, subject to internal assessment evaluation process*

### 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

## BACHELOR OF SCIENCE WITH HONOURS IN COMPUTING 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 credit in Mathematics in SPM or equivalent

**STPM:**
Passed STPM with Grade C in at least 3 subjects (including Mathematics) AND credit in Mathematics in SPM or equivalent

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

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

**Canadian Pre-U or Ontario Secondary Diploma:**
Passed with average marks of 55 inclusive of Mathematics

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

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

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

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

### Year 2 Entry
**INTI Diploma – Diploma in Information Technology:**
Successfully completed INTI's Diploma with CGPA 2.5
*Candidate with CGPA below 2.5 but above 2.0 can be accepted, subject to internal assessment evaluation process*

Diploma in Computer Science, Information Technology, Software Engineering or equivalent:
Successfully completed a Diploma in Computer Science, Information Technology, Software engineering or equivalent with CGPA 2.5 and credit in Mathematics and Additional Mathematics at SPM level.
*Candidate with CGPA below 2.5 but above 2.0 can be accepted, subject to internal assessment evaluation process*

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

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

### English Language Requirements
**SPM English Syllabus 1322:**
Grade 1-6

**English 1119:**
Grade 1-6

**GCE O-Level or GCSE:**
Pass minimum Grade C

**IELTS:**
Band 6.0 and above

**TOEFL:** 550 and above

**TOEFL (computer-marked):**
220 or above

**UEC:** B

## 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.

### English Language Requirements
**IELTS:**
Band 4.0

**CAMBRIDGE:**
CAE (160) / CEFR B2
CPE (180) / CEFR C1

**MUET:**
Band 2

**TOEFL:**
PBT (397)
IBT (30-31)

**PTE:** 30

*\*\*For Nilai campus only.*

## FOUNDATION IN INFORMATION TECHNOLOGY

### 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

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The programme aims to promote 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 aimed to meet the industry demands by producing graduates who are qualified, competent, creative and innovative, and who will eventually be the expert in this industry. Graduates of this programme may progress to an undergraduate degree, namely Computer Science, Information Technology, Computing, and Information System.

### IT Pathway

Students will take up Programming Techniques, Data Communication and Networking, Introduction to Database Management System and Advanced Mathematics to enable an understanding of the technical and humanistic aspects of computing.

### 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/482/3/0169)(05/26)(MQA/FA14514)

INTI International College Penang
(N/482/3/0172)(07/2026)(MQA/PA14720)

**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 Business Information Systems 3+0

Coventry University, UK
- Bachelor of Science with Honours in Computer Science 3+0
- Bachelor of Science with Honours in Computing 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 Engineering
- Bachelor of Information Technology (Hons)
- Bachelor of Information Technology (Hons) Business Analytics

### Courses offered

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/PA14719)

**INTAKES: JAN, APR & AUG**

## Duration

1.5 Years

## Programme Structure

- Basic Mathematics
- Fundamentals of Programming
- Mathematics for Computing
- Business Communication Skills
- English
- Introduction to Operating Systems
- Introduction to Networking
- Introduction to Information Technology
- Internet Technology and Applications
- Introduction to Database
- Introduction to Java Programming
- Introduction to Visual Programming
- Introduction to Computer Architecture and Organisation
- Introduction to PC Maintenance and Support

## MPU subjects

- Study Skills for Certificate Level (Local and International students)
- Integrity and Anti-Corruption
- Communicating in Malay 1
- Malaysian Studies (Local Students)

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

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# 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.

## 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/481/4/0830)(05/26)(MQA/PA14290)

**INTAKES: JAN, MAY & AUG**

INTI International College Subang
(N/481/4/0820)(12/2024)(MQA/PA12868)

INTI International College Penang
(N/481/4/0819)(11/2024)(MQA/PA12867)

**INTAKES: JAN, APR & AUG**

## Duration

2 Years

## Programme structure

- Business Innovation in Industry 4.0
- Computer Architecture
- Database Management
- Discrete Mathematics
- Fundamentals of Mathematics
- Fundamentals of Networking
- Introduction to Statistics and Data Analytics
- Operating Systems
- Programming Fundamentals
- Systems Analysis and Design
- User Experience (UX) Design
- English Communication Skills
- Capstone Project
- Data Structures
- High Level Programming
- Internship
- Object Oriented Programming

Choose any 4 Electives from the following specialisation:
- Data Analytics
  - Data Visualisation
  - Business Intelligence
  - Data Mining

- Cloud Computing
  - Cloud Computing Fundamentals
  - Cloud Computing Architecture
  - Cloud Implementation and Deployment

- Cybersecurity
  - Cybersecurity Fundamentals
  - Digital Forensics
  - Digital and Cyber Laws

- Rapid Application Development (Elective)*

*Note: Students can choose to take any One subject from the areas of specialisation or Rapid Application Development as the 4th elective. (Subject to meeting prerequisites)

## 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 Future Malaysia
- Media Literacy for Personal Branding

## MPU Subjects (For Colleges)

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

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

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

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

# 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
(R2/481/4/0152)(07/24)(A10416)

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

**INTAKES: JAN, APR & AUG**

## Duration

Minimum 2 Years

## Programme structure

### Level 1
- Database Management
- Discrete Mathematics
- Fundamentals of Mathematics
- Fundamentals of Networking
- Introduction to Human Computer Interaction
- Introduction to Internet Technologies
- Program Logic Formulation
- Quantitative Methods
- Structured Programming
- System Analysis and Design
- Writing Skills

### Level 2
- Capstone Project
- Object-Oriented Programming (Java)
- Rapid Application Development
- Business Intelligence
- Digital Image Editing
- Fundamentals of Management
- Computer Organisation

**Internship (Compulsory)**

## IBM-ICE MODULES

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

## MPU subjects

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

## Offered at

INTI International University
(R2/481/4/0401)(05/24)(A10108)

**INTAKES: JAN, APR & AUG**

## Duration

Minimum 2 Years

## Programme structure

### Level 1
- Database Management
- Discrete Mathematics
- English Communication Skills
- Fundamentals of Mathematics
- Fundamentals of Networking
- Introduction to Human Computer Interaction
- Introduction to Internet Technologies
- Program Logic Formulation
- Quantitative Methods
- Structured Programming
- System Analysis and Design

### Level 2
- Capstone Project
- Object-Oriented Programming (Java)
- Computer Organization
- Fundamentals of Operating System
- Rapid Application Development

Choose 2 Electives:
- Business Intelligence
- Fundamentals of Management
- Computer Ethics
- Introduction to Data Structure

**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 Future Malaysia
- Media Literacy for Personal Branding

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

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# 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/PA14939)

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

## Duration

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

## Programme structure

### Year 1
- English Communication Skills
- Fundamentals of Mathematics
- Introduction to IT Infrastructure Landscape
- Program Logic Formulation
- Introduction to Internet Technologies
- Fundamentals of Networking
- Discrete Mathematics
- Structured Programming
- Database Management
- Introduction to Human Computer Interaction
- Quantitative Methods
- Systems Analysis and Design

### Year 2
- Information Technology Infrastructure Library
- IT Service Management
- Object-Oriented Programming
- Computer Organization
- Fundamentals of Operating System
- Capstone Project
- Internship

Choose 3 Electives:
- Computer Ethics (IT Pathway)
- Fundamental of Management (IT Pathway)
- Business Intelligence (Computer Science Pathway)
- Introduction to Data Structure (Computer Science Pathway)
- Rapid Application Development (Compulsory Elective)

## 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 Future Malaysia
- Media Literacy for Personal Branding

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

# 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

CISCO 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**

## 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.

## 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
- Co-curriculum
- Bahasa Kebangsaan A*

### 2. Electives (choose one)
- Corporate Social Responsibility
- Design Thinking
- Presentation Skills

# 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**

## 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

### 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
- Co-curriculum
- Bahasa Kebangsaan A*

### 2. Electives (choose one)
- Corporate Social Responsibility
- Design Thinking
- Presentation Skills

# 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

# BACHELOR OF COMPUTER SCIENCE 3+0

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**in collaboration with**

SWiN BUR NE
SWINBURNE UNIVERSITY OF TECHNOLOGY

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**

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).

**Offered at**

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

**INTAKES: FEB & JUL**

**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 BUSINESS INFORMATION SYSTEMS 3+0

## in collaboration with

**SWINBURNE UNIVERSITY OF TECHNOLOGY**

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

Information systems address how people, information, computers, networks and processes come together to create cohesive business solutions.

The growing demand for IS professionals who can provide IS/IT expertise while showing an aptitude towards the organisational environment and the ability to communicate with the business users, means that graduates of this degree can enjoy career opportunities in the professional fields of business analysis, project management, or other fields where IS/IT-requisite skills and knowledge are highly valued.

You'll graduate with technical and analytical skills as well as the ability to assess, evaluate, and communicate the key aspects of IS/IT as an enabler of modern organisations.

### Professional recognition

Our courses are recognised by leading industry organisations. The Bachelor of Business Information Systems is accredited with the Australian Computer Society (ACS) at the professional level at the Hawthorn (Melbourne) campus. Under ACS guidelines, accreditation at any location can only be granted after the first graduates complete the programme at the location.

### Offered at

INTI International College Subang
(N/482/6/0192) (01/2025) (MQA/PA 12562)

**INTAKE: FEB**

### Duration

3 Years

### Majors available:

- Business Analysis
- Data Analytics

**Business Analysis**
Learn about approaches to analysing and developing creative solutions to the economic, social and environmental changes and challenges facing business. Develop the skills to analyse the requirements of users and learn how to find ways to transform business through technology.

**Data Analytics**
Learn how business intelligence and business analytics are used to solve 'wicked problems' and provide business insight. Discover how business agility can be improved through an understanding of big data.

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# BACHELOR OF SCIENCE WITH HONOURS IN COMPUTING 3+0

## in collaboration with

**Coventry University**

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

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

**Committed to quality with Coventry University**

*Note: Programme structure is subject to change.*
*  *For Malaysian students who do not have a credit in SPM BM.*
** *For offering of optional modules, please consult the Head of Programme.*

### WHAT WILL I LEARN

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

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

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

### Career opportunities

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

### Highlights

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

### Duration

3 Years

### Offered at

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

**INTAKES: JAN & APR**

### Programme Structure

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

**Year 2**
- Enterprise Project
- People and Computing
- Programming for Developers
- Data Science for Developers
- Software Development
- Web Development

**Year 3**
- Individual Project
- Security
- Professional Training
- Web API Development
- User Experience Design

Electives (Choose 1)
- Mobile Application Development
- Open Source Development

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

### MPU subjects

- Bahasa Kebangsaan A*
- Community Service
- Integrity and Anti-Corruption
- Design Thinking
- Appreciation of Ethics and Civilisations (Local students) / Communicating in Malay 2B (International students)
- Philosophy and Current Issues (Local students) / Malaysian Studies 3 (International students)

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

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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.

**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. You will work to develop professional skills through activity-led learning. 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
- The Add+vantage module helps in developing and enhancing students' employability, and delivering a serious competitive advantage in the jobs market.

## Duration

3 Years

## Offered at

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

**INTAKES: JAN & APR**

## Programme Structure

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

**Year 2**
- Advanced Algorithms
- Data Science
- Big Data Programming Project
- Software Engineering
- Operating Systems and Security
- Introduction to Artificial Intelligence
- Theory of Computation

**Year 3**
- Individual Project
- Security
- Professional Training
- Machine Learning and Related Applications
- Mobile Application Development *(electives)*
- Web API Development *(electives)*

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

## MPU subjects

- Bahasa Kebangsaan A*
- Community Service
- Integrity and Anti-Corruption
- Design Thinking
- Appreciation of Ethics and Civilisations (Local students) / Communicating in Malay 2B (International students)
- Philosophy and Current Issues (Local students) / Malaysian Studies 3 (International students)

# AMERICAN DEGREE TRANSFER PROGRAM (AUP)

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Having pioneered the introduction of American education more than 30 years ago, INTI has the most established American Degree Transfer Program (AUP) in Malaysia.

Students can choose from more than 300 US and Canadian universities. INTI students have been accepted into Ivy League and Ivy League Standard universities like the University of Pennsylvania, University of Michigan, University of Wisconsin, Purdue University and more.

## Offered at

INTI International College Subang
(R2/210/6/0014)(09/24)(A5760)

INTI International College Penang
(R3/210/6/0018)(01/2026)(A7300)

**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

# 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.

**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 in the field or related fields, with a minimum CGPA of 2.75 or equivalent, as accepted by the HEP Senate; or
ii) A Bachelor's Degree in the field or related fields or equivalent, with a minimum CGPA of 2.50 and not meeting CGPA of 2.75, can be accepted subject to rigorous internal assessment process; or
iii) A Bachelor's Degree in the field or related fields or equivalent, with CGPA less than 2.50, with a minimum of 5 years working experience in a relevant field may be accepted.

Note: For candidates without Computing Degree or 5 years working experience in the relevant fields, prerequisite modules in computing must be offered and meet the minimum CGPA based on (i) to (iii).

### 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 in the field or related fields, with a minimum CGPA of 2.75 or equivalent, as accepted by the HEP Senate; or
ii) A Bachelor's Degree in the field or related fields or equivalent, with a minimum CGPA of 2.50 and not meeting CGPA of 2.75, can be accepted subject to rigorous internal assessment process; or
iii) A Bachelor's Degree in the field or related fields or equivalent, with CGPA less than 2.50, with a minimum of 5 years working experience in a relevant field may be accepted.

Note: For candidates without Computing Degree or 5 years working experience in the relevant fields, prerequisite modules in Computing must be taken and meet the minimum CGPA based on (i) to (iii).

### 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

**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/PA15161)

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

## Duration

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

## Entry Requirements

i)   A Bachelor's Degree in the field or related fields, with a minimum CGPA of 2.75 or equivalent, as accepted by the HEP Senate; or
ii)  A Bachelor's Degree in the field or related fields or equivalent, with a minimum CGPA of 2.50 and not meeting CGPA of 2.75, can be accepted subject to rigorous internal assessment process; or
iii) A Bachelor's Degree in the field or related fields or equivalent, with CGPA less than 2.50, with a minimum of 5 years working experience in a relevant field may be accepted.

Note: For candidates without Computing Degree or 5 years working experience in the relevant fields, prerequisite modules in Computing must be taken and meet the minimum CGPA based on (i) to (iii).

## 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 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

Year 1  -  Research Methodology & Dissertation
Year 2  -  Dissertation

## 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 Higher Education Provider (HEP) 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.

### 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 in the field or related fields accepted by the Higher Education Provider (HEP) Senate; or
ii. Other qualifications equivalent to a Master's Degree recognised by the Government of Malaysia; and at least Master's or Bachelor's in Computing / Information Technology / Information Systems

For Doctoral Degree by Research as stated in the MQA Standards for Master's and Doctoral Degree:
i. There shall be no direct entry from Bachelor's Degree to Doctoral Degree level.
ii. Candidates with Bachelor's Degree who are registered for Master's Degree programmes may apply to convert their candidacy to the Doctoral Degree programmes within ONE year after Master's Degree registration, subjected to:
  a. Having shown competency and capability in conducting research at Doctoral Degree level;
  b. Rigorous internal assessment by the HEP; and
  c. Approval by the HEP Senate.

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

*Note: Programme structure is subject to change.*

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# 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

- A recognised Master's Degree or equivalent and candidates must have completed at least one of their earlier degrees (Master's or Bachelor's) in the field of Computing / Information Technology / Information Systems

For Doctoral Degree by Research as stated in the MQA Standards for Master's and Doctoral Degree:
i. There shall be no direct entry from Bachelor's Degree to Doctoral Degree level.
ii. Candidates with Bachelor's Degree who are registered for Master's Degree programmes may apply to convert their candidacy to the Doctoral Degree programmes within ONE year after Master's Degree registration, subjected to:
  a. Having shown competency and capability in conducting research at Doctoral Degree level;
  b. Rigorous internal assessment by the Higher Education Provider (HEP); and
  c. Approval by the HEP Senate.

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 believe that women can excel in anything they want, including in the male-dominated IT industry. While studying for my IT degree, I was also working the same time. And although fine with the practical area of the course, I was struggling with the theory. But with a determination to excel and the dedication and support of my INTI lecturers and seniors, I graduated with First Class Honours."

**MAVIS ONG**
Development Consultant, HCL Axon Malaysia Sdn. Bhd.
Bachelor of Science with Honours in Computing 3+0, in collaboration with Coventry University, UK

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# 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 )

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# 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**
  United Overseas Bank (UOB)
  Students conducted primary research to create a Bring Your Own Device (BYOD) policy and Security Education Training and Awareness (SETA) program for a company. This is crucial due to post-pandemic teleworking. Well-implemented BYOD and SETA initiatives enhance productivity, satisfaction, and organizational security for remote employees.

- **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.

# Get Connected with INTI!

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## 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, Institut Sinaran,
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

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Intertek

UKAS MANAGEMENT SYSTEMS 014

MSC MALAYSIA
Status Institution

MQA
Agensi Kelayakan Malaysia
Malaysian Qualifications Agency

MAPCU
Member of MAPCU
(Malaysian Association
of Private Colleges
and Universities)