

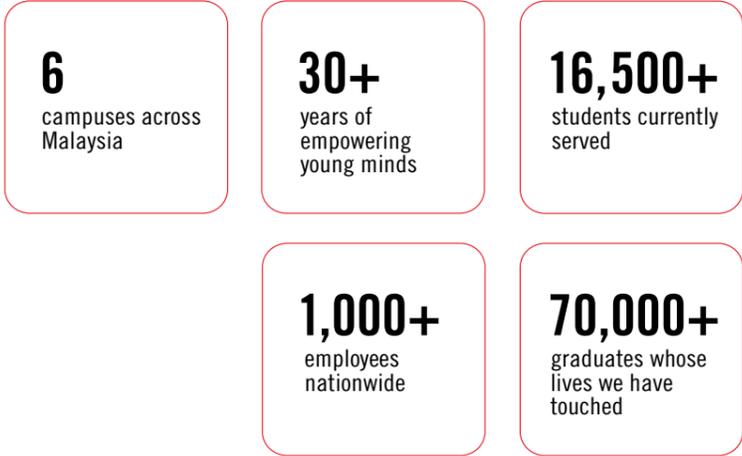


# COMPUTING & I.T.

**BUILDING CAREERS FOR THOSE WHO WILL BUILD THE FUTURE**



# YOUR FUTURE BUILT TODAY



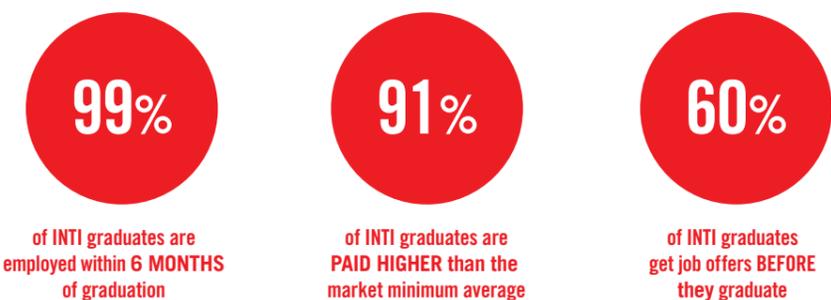
## ABOUT INTI

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.

Through our innovative teaching and learning and extensive industry partnerships, we empower our students with the ability to work with smart machines, to process and analyse data for better decision-making, to learn about technologies that impact businesses and manufacturing processes, and to develop professional skills such as adaptability, working with multidisciplinary teams, problem-solving, and a thirst for lifelong learning.

By inspiring our students to explore their passions and discover their true potential through the right skills, tools and experiences, we continue to be a force of change in revolutionising education. Our commitment is to ensure exceptional graduate outcomes, and to transform our students into the dynamic leaders of the future – ones who will lead us in the Fourth Industrial Revolution, and beyond.

INTI GRADUATE  
EMPLOYABILITY  
SURVEY 2017  
VALIDATED BY  
**BDO**



# 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



## We are INTERNATIONAL

Our internationally recognized 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.



**BLUE MOUNTAINS INTERNATIONAL HOTEL MANAGEMENT SCHOOL AT TORRENS UNIVERSITY**  
Australia

Recognised as one of the world's leading providers of Hotel Management programmes, Blue Mountains offers an internationally recognised curriculum based on the renowned Swiss hotel school model of teaching and learning. Blue Mountains was ranked the No. 1 Hotel Management School in Australia (QS World University Rankings 2019).



**COVENTRY UNIVERSITY**  
United Kingdom

With roots dating as far back as 1843, Coventry University has a proud tradition of offering high quality education with an emphasis on applied research. Coventry University was ranked No.15 UK University by the Guardian University Guide 2020.



**SHEFFIELD HALLAM UNIVERSITY**  
United Kingdom

This modern university is an integral part of the UK's largest practising community of artists and designers outside of London. Sheffield was ranked 81% for international excellence in the national 2014 Research Excellence Framework and ranked second among the modern universities in the UK for art and design research.



**UNIVERSITY OF HERTFORDSHIRE**  
United Kingdom

Swiftly gaining recognition as the UK's leading business-facing university, the University of Hertfordshire is an exemplar in the education sector and achieved the Top Gold ranking in the Government's Teaching Excellence Framework (TEF) 2018.



**SOUTHERN NEW HAMPSHIRE UNIVERSITY**  
United States

Established in 1932, the university has been at the forefront of academic excellence with accreditation by the New England Association of Schools and Colleges. The university was named 2017 Most Innovative University in the North by US News & World Report.

## 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 Blackboard Learning Management System.



Blackboard

With Blackboard, learning does not only happen in the classroom, it happens everywhere. It's a holistic, integrated system to collaborate and interact with fellow students and lecturers. Students can offer and gain feedback from their peers on coursework and perform self-assessments while learning in a safe, nurturing and holistic environment.

### GLOBAL RECOGNITION AND ACHIEVEMENT

Awarded to INTI INTERNATIONAL UNIVERSITY & COLLEGES for:



- Professional Development (2019 & 2017) •
- Student Success (2019) •
- Leading Change (2018) •

### Supplementary Learning and Assessment Tools Used:



**3D Studio Broadcasting System Using The Most Advanced Virtual Studio Technology**



**Video Management And Creation Tools**



**Interactivity Building Software Ranging From Games, Quizzes, Simulations, Presentations And More**



**Online Assessment Platform with Online Remote Proctoring**



**Software To Support Feedback Processes Including Course And Lecturers' Evaluations**



### INDUSTRY RELEVANCE

INTI has established a strong collaborative network with key leading companies in the industry and has been at the forefront of education innovation by offering an academic curriculum that is not only industry relevant but also immensely effective.

## 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.



SUPPORT

### THE MENTOR-MENTEE PROGRAMME

Expand your social circles and future horizons

New students at INTI are paired up with a senior student who acts as a role model and offers assistance in easing them into academic life. The mentor-mentee programme supports new students to form social bonds and helps them become a part of the close-knit INTI community. These social bonds provide a significant part of the support a student receives during their journey at INTI.



### BI-ANNUAL PARENT / TEACHER MEETINGS

Get valuable feedback and grow

To keep abreast of a student's academic progress at INTI, both students and lecturers have access to the Blackboard Academic Learning system which helps them track the areas for improvement. Parents and caregivers are also invited twice a year to meet with the student's lecturers and academic staff to discuss their academic performance and explore ways to enhance it.



### LINKEDIN

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

INTI has established a collaboration with LinkedIn that leverages its powerful connections, and offers training for students to create their personal brand and profile that elevates their opportunities for employability. Regular workshops are conducted to teach students how to create a compelling resume that will resonate with potential employers. With a complete, job-ready LinkedIn profile even before they graduate, INTI students have the perfect platform to build and enhance their personal brand.

# MASTER THE SURVIVAL SKILLS OF THE 21<sup>st</sup> 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.

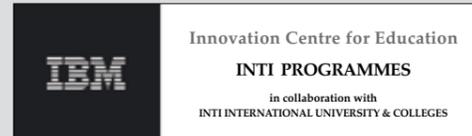
## CONSTANT SKILLS ENHANCEMENT

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

## INTI AND IBM INNOVATION CENTRE FOR EDUCATION (IBM-ICE)



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.

### BENEFITS OF THE PROGRAMME:

- Innovative curriculum jointly developed with IBM on various industry specializations, based on the skills requirements of various organizations 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

**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

## SAS INSTITUTE



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

SAS is a trusted analytics powerhouse with over 40 years of analytics innovation experience for organizations 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 organizations, industries and the world.

### BENEFITS OF THE PROGRAMME:

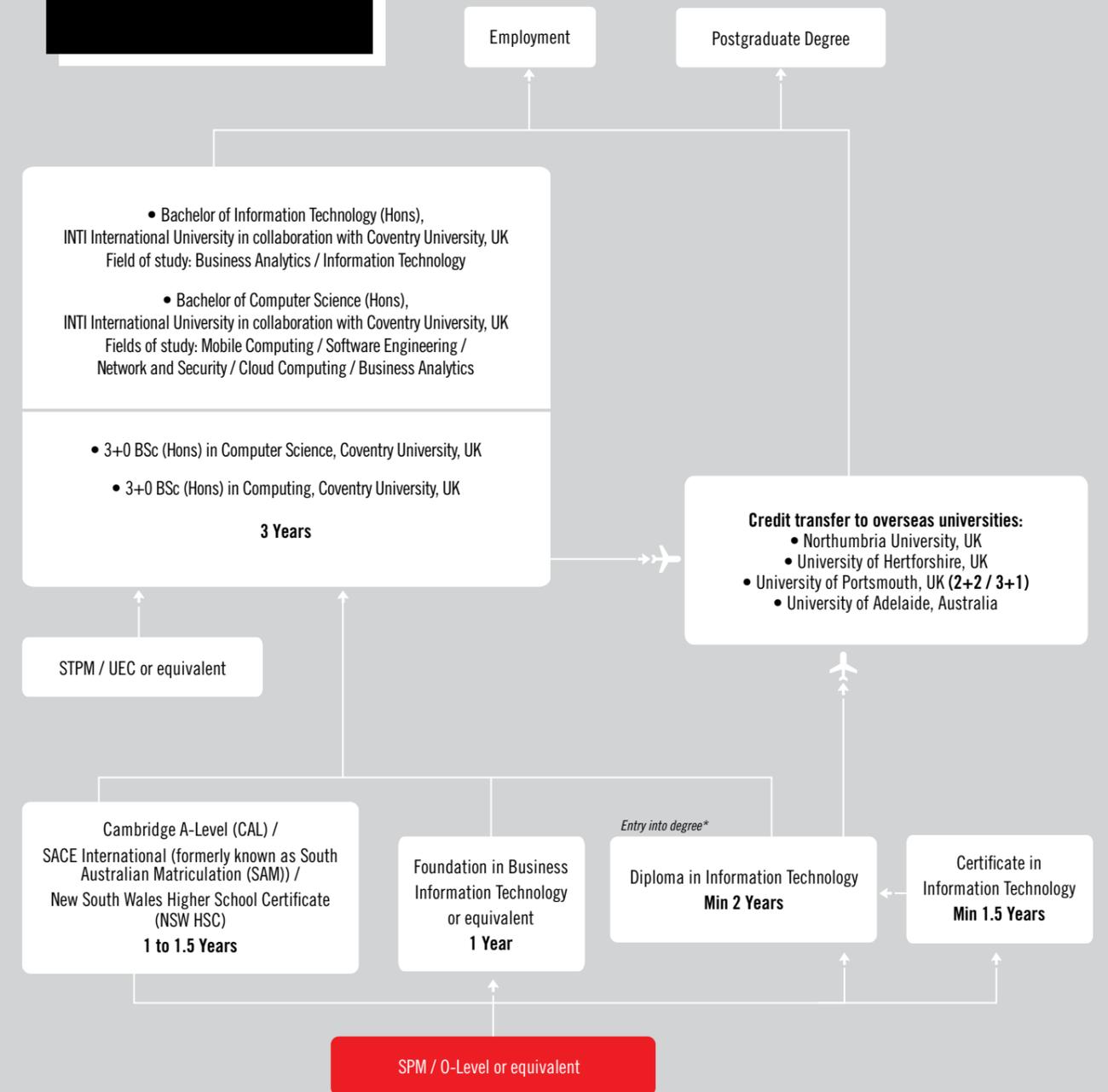
- Enhance knowledge and skills within the SAS domain which is recognized internationally
- Enrich analytical and critical thinking skills
- Improve your prospects for a global career with the best companies by being SAS certified



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# INTI COMPUTING & IT PATHWAY



*\*Subject to meeting entry requirements.*

# 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:

A Diploma in Computer Science, Information Systems, Information Technology, Software Engineering or equivalent with a minimum CGPA of 2.5. Candidates with CGPA below 2.5 but above 2.0 may be admitted subject to internal assessment process

### Other discipline Diploma:

Any other Diploma with a minimum CGPA of 2.5 and credit in Mathematics in SPM or equivalent

### 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)**

### Foundation:

A Foundation or equivalent with a minimum CGPA 2.0 and credit in below subject(s) in SPM:

- (a) Additional Mathematics or
- (b) Mathematics and 1 of the Science, Technology or Engineering subject

### Diploma:

A Diploma in Computer Science, Information Systems, Information Technology, Software Engineering, Science / Technology or equivalent with a minimum CGPA of 2.5.

*Note: CGPA below 2.5 but above 2.0 will be eligible to enroll into the programme after passing the internal rigorous assessment*

### STPM:

A minimum of Grade C (GPA 2.00) in any 2 subjects and credit in below subject(s) in SPM:

- (a) Additional Mathematics; or
- (b) Mathematics and 1 of the Science, Technology or Engineering subject

### OR

Pass STPM in science stream or equivalent with minimum Grade C (GPA 2.00) in 1 Mathematics and 1 Science or ICT subject

### 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)

### Others:

Please refer to INTI International University

## **3+0 BSC. (HONS) IN COMPUTER SCIENCE, 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; or 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 or Mathematics
- b) And 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

## **3+0 BSC. (HONS) IN COMPUTING, 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

# ENTRY REQUIREMENTS

## 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

SPM / O-Level / Equivalent:  
3 credits including Mathematics

UEC:  
3Bs including 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

## FOUNDATION IN BUSINESS INFORMATION TECHNOLOGY

### *Business Pathway*

SPM / O-LEVEL / EQUIVALENT:  
5 credits\*  
(credit in Mathematics is required for Nilai campus)

UEC / EQUIVALENT:  
3Bs\*  
(B in Mathematics is required for Nilai campus)

### *IT Pathway*

SPM / O-LEVEL / EQUIVALENT:  
5 credits including Mathematics  
(credits including Additional Mathematics OR credits in Mathematics & 1 Science / Technology / Engineering related subjects required for student who wants to progress to Computer Science Degree Programme)

UEC / EQUIVALENT:  
3Bs including Mathematics  
(credits including Additional Mathematics OR credits in Mathematics & 1 Science / Technology / Engineering related subjects required 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

# FOUNDATION IN BUSINESS INFORMATION TECHNOLOGY

This programme is for students who want to pursue a Business or IT degree. In the first semester, students will study common subjects and later on, have the option of choosing their pathway in Business or IT.

## Business pathway

Students will study courses relevant to their desired degrees in the areas of management and accounting. These courses provide a fundamental understanding of the concepts and principles of how an organisation works, organisational structure and behaviour, market structure and consumer behaviour.

## IT pathway

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

*The IT pathway is not available in Sabah.*

## Learning approach

Students will be introduced to active learning methodologies like Problem-based Learning. Group discussions and projects will help them develop in areas like study skills, presentation skills, research skills and time management. It will also enhance their critical and analytical skills, preparing them for tertiary studies and the workplace.

## 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 assessment 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  
(R/010/3/0199)(04/24)(A4602)

## INTAKES: JAN, MAY & AUG

INTI International College Subang  
(R2/010/3/0268)(12/24)(A10123)

INTI International College Kuala Lumpur  
(R/010/3/0136)(06/23)(MQA/FA2751)

INTI International College Penang  
(A11600)(10/20)(A11600)

## Foundation in Business

INTI College Sabah  
(R2/010/3/0259)(06/24)(A10005)

## INTAKES: JAN, APR & AUG

## Duration

1 Year

## Programme structure

- Advanced Mathematics\*
- Basic Computing
- Business Statistics
- Data Communications and Networking
- English Language Skills 1
- English Language Skills 2
- Fundamentals of Accounting
- Fundamentals of Business Management
- Fundamentals of Mathematics
- General Studies
- Introduction to Business Studies
- Introduction to Database Management System\*\*
- Macroeconomics
- Microeconomics
- Programming Techniques\*\*
- Self-development Skills
- Skills for Creative Thinking

\* Depending on your final degree choice. Please refer to Head of Programme for further clarification.

\* Only available in Nilai campus.  
\*\* Only available in Nilai and Subang campuses.

# 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.

## Programme Structure

### MPU subjects\*

- Study Skills for Certificate Level (Local and International students)
- Introduction to Malaysian Culture
- Communicating in Malay 1
- Malaysian Studies (Local Students)

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

### Core subjects

- Basic Mathematics
- Introduction to Computer Architecture and Organisation
- Fundamentals of Programming
- Mathematics for Computing
- Introduction to Operating Systems
- Introduction to Networking

### Concentration

- Introduction to Information Technology
- Introduction to PC Maintenance and Troubleshooting
- Business Communication Skills
- English
- Internet Technology and Applications
- Introduction to Database
- Introduction to JAVA programming
- Introduction to Visual Programming

### Assessment

Test, Quiz, Assignment, Lab, Project and 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  
(N/482/3/0164)(11/23)(MQA/PA 11437)

**INTAKES: JAN, APR & AUG**

### Duration

1.5 Years (minimum) to 3 Years (maximum)

# DIPLOMA IN INFORMATION TECHNOLOGY



This programme prepares students with a thorough understanding of the principles, theories and current practices in the Computer Science and 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 Computer Science, 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 Computer Science, 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 5 IBM-ICE modules within the INTI Diploma in Information Technology / INTI Diploma in Information and Communication Technology programme

## Career opportunities

Programmer, Junior Software Engineer, Technical Support Officer, Network Technician, Service Technician, Information System Administrator, Network Administrator, Database Administrator

### Offered at

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

**INTAKES: JAN, MAY & AUG**

INTI International College Kuala Lumpur  
(N/482/4/0177)(09/23)(MQA/PA9580)

INTI International College Subang  
(R2/481/4/0152)(07/24)(A10416)

INTI International College Penang  
(R/481/4/0122)(01/22)(MQA/FA1215)

**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 HCI
- Introduction to Internet Technologies
- Program Logic Formulation
- Quantitative Methods
- Structured Programming
- System Analysis & Design
- Writing Skills\*\*\*

### Level 2

- Capstone Project
- Object-Oriented Programming (Java)
- Fundamentals of Operating System\*\*

Choose either one of the following specialisations:

### Information Technology

- Computer Ethics
- Digital Image Editing\*\*\*
- Fundamentals of Management

### Computer Science

- Computer Organisation
- Fundamentals of Trustworthy Computing\*\*\*
- Introduction to Data Structure

### Internship (Compulsory)

## IBM-ICE MODULES

- Introduction to Business Analytics
- Introduction to Cloud Computing
- Introduction to IT Infrastructure Landscape
- Introduction to Mobile Apps Development
- Introduction to Web Programming with PHP

## MPU subjects

- Bahasa Kebangsaan A\*
- Co-curriculum\*\*
- Community Service and Co-curriculum#
- Malaysian Studies 2 (Local students) / Communicating in Malay 1B (International students)
- Media Literacy for Personal Branding
- Green Future Malaysia

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

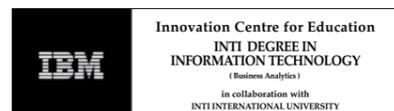
\*\*Only offered in INTI International University.

\*\*\*Not offered in INTI International University.

# Not offered in Penang campus.

# BACHELOR OF INFORMATION TECHNOLOGY (HONS)

in collaboration with



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.

## Highlights

- Incorporation of professional syllabuses such as SAP and CISCO
- Students will be exposed to real company projects with collaboration from our industry partners
- A 16-week internship with prestigious industry partners such as Intel Technology, CSC Malaysia, Standard Chartered – Scope International, Profitera, Silverlake Sprints and many more
- Flexibility to choose from a pool of elective modules
- 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 organization. The specialization 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 organizations’ technological direction. In an IT end-user industry, Business Analytics and Optimization (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 organizations, 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 Optimization 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  
(R/481/6/0211)(07/22)(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 specialization electives

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

### General (without specialization) 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 with PHP (IBM Module)

### Business Analytics specialization electives

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

### General (without specialization) electives

- Ubiquitous Computing
- Technopreneurship
- Knowledge Management

## Internship (Compulsory)

## MPU subjects

- Bahasa Kebangsaan A\*
- Community Service
- Corporate Social Responsibility
- Design Thinking
- Ethnic Relations (Local students) / Communicating in Malay 2B (International students)
- Islamic & Asian Civilisation (Local students) / Malaysian Studies 3 (International students)

# BACHELOR OF COMPUTER SCIENCE (HONS)

in collaboration with



The aim of this course is to introduce the concepts and technologies of computing, in particular software engineering, 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, human computer interaction 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 and a foreign language, 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
- 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 Data Science 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 Engineering

Students will learn to design, implement and document quality software systems in appropriate languages for available computers. This includes the ability to design software that makes effective use of the hardware. They will also gain a clear understanding of organisational structures, along with the information needs and consequent systems requirements of an organisation.

Career Opportunities  
Programmer, IT Consultant, Network Administrator, Software Engineer, Systems Analyst, Technical Support Engineer, Network Engineer, Technical Consultant, Project Manager, Web Developer

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 organization. The specialization 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 organizations' technological direction. In an IT end-user industry, Business Analytics and Optimization (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 organizations, the 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 Optimization Consultants, Enterprise Information and Management Consultants, Enterprise Content Management Consultants and more

### 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

### Career Prospects

Cloud Solution Architects, Cloud System Administration, Cloud Security Specialists, Cloud Application Development/Maintenance/Testing, Migration and Modernization Specialists, Cloud Project Management and more

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  
(R/481/6/0261)(02/23)(MQA/FA2990)

**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
- Data Structures & Algorithms
- IT Project Management
- Quantitative Methods
- Software Engineering
- System Development Tools and Techniques

### Business Analytics specialization electives

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

### Cloud Computing specialization electives

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

### Software Engineering specialization electives

- Software Testing
- Web Application Development

### Network and Security specialization electives

- Cybersecurity
- Routing Protocols and Concepts

### Mobile Computing specialization electives

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

### General (without specialization) electives

- Software Testing
- Web Application Development

### Level 3

- Advance Programming Paradigm
- Artificial Intelligence
- Project I
- Project II
- UX Design
- Web Programming with PHP (IBM Module)

### Business Analytics specialization electives

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

### Cloud Computing specialization electives

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

### Software Engineering specialization electives

- Concurrent & Real-time System
- Machine Learning
- Software Quality

### Network and Security specialization electives

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

### Mobile Computing specialization electives

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

### General (without specialization) electives

- Concurrent & Real-time System
- Mobile Application Development using Android
- Network Security

## Internship (Compulsory)

## MPU subjects

- Bahasa Kebangsaan A\*
- Community Service
- Corporate Social Responsibility
- Design Thinking
- Ethnic Relations (Local students) / Communicating in Malay 2B (International students)
- Islamic & Asian Civilisation (Local students) / Malaysian Studies 3 (International students)

# 3+0 BACHELOR OF SCIENCE (HONS) IN COMPUTING

in collaboration with



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

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

\*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, IT Officer, E-Business Analyst 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 Blackboard, 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  
(N/481/6/0676)(08/20)(MQA/FA6483)

**INTAKES: JAN, APR & AUG**

## Programme Structure

### Year 1

- Add+vantage module
- Computer Architecture and Networks
- Designing for Usability 1
- Enterprise Information Systems
- Introduction to Computing
- Logic and Sets
- Introduction to Algorithms

### Year 2

- Add+vantage module
- Data and Information Retrieval
- Designing for Usability 2
- Developing the Modern Web 1
- Programming, Algorithms and Data Structures
- Real World Project
- Technology and its Social, Legal and Ethical Context

### Year 3

- Add+vantage module
- Individual Project
- Web API Development
- Agile Development

## Internship

Optional modules\*\* (choose 2):

- Intelligent Agents
- Interactive Pervasive Computing
- Open Source Development
- Android Application Development
- IOS Application Development

Add+vantage Module Subjects:

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

## MPU subjects

- Bahasa Kebangsaan A\*
- Community Service
- Design Thinking
- Corporate Social Responsibility
- Ethnic Relations (Local students) / Malay Communication 2 (International students)
- Islamic & Asian Civilisation (Local students) / Malaysian Studies (International students)

# 3+0 BACHELOR OF SCIENCE (HONS) IN COMPUTER SCIENCE

in collaboration with



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.

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

\*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 Blackboard, 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  
(N/481/6/0692)(10/20)(MQA/FA7010)

**INTAKES: JAN, APR & AUG**

## Programme Structure

### Year 1

- Add+vantage Module
- Computer Architecture and Networks
- Design for Usability 1
- Enterprise Information Systems
- Introduction to Computing
- Logic and Sets
- Introduction to Algorithms

### Year 2

- Add+vantage Module
- Data and Information Retrieval
- Operating Systems, Security and Networks
- Programming, Algorithms and Data Structures
- Real World Project
- Software Engineering
- Technology and its Social, Legal and Ethical Context

### Year 3

- Add+vantage Module
- Theoretical Aspects of Computer Science
- Individual Project
- Software Quality and Process Management
- Web API Development

## Internship

Optional modules\*\* (choose 2):

- Concurrent and Real-time Systems Design
- Intelligent Agents
- Open Source Development
- Android Application Development
- IOS Application Development
- Agile Development

Add+vantage Module Subjects:

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

## MPU subjects

- Bahasa Kebangsaan A\*
- Community Service
- Design Thinking
- Corporate Social Responsibility
- Ethnic Relations (Local students) / Malay Communication 2 (International students)
- Islamic & Asian Civilisation (Local students) / Malaysian Studies (International students)

# AMERICAN DEGREE TRANSFER PROGRAM (AUP)

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, Brown University, University of Michigan, University of California, University of Wisconsin, Purdue University and more.

## Offered at

INTI International University  
(R/210/6/0012)(07/24)(A4605)  
INTI International College Subang  
(R2/210/6/0014)(09/24)(A5760)  
INTI International College Penang  
(R2/210/6/0018)(01/21)(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 to complete their studies.

Popular majors:

- Accounting
- Actuarial Science
- Digital Marketing
- Entrepreneurship Studies
- Fashion Marketing
- Finance
- Human Resource Management
- International Business
- Management Information System (MIS)
- Supply Chain Management

## Popular universities for business

### US universities

- Binghamton University
- Indiana University of Pennsylvania
- Michigan State University
- Ohio State University
- Purdue University
- Southern New Hampshire University
- University of Iowa
- University of Missouri
- University of Nebraska, Lincoln
- University of Oklahoma, Norman
- University of Wisconsin, Madison
- Winona State University

### Canadian universities

- Acadia University
- Memorial University of Newfoundland
- Trent University
- University of Brunswick
- University of Lethbridge
- University of Manitoba
- University of Saskatchewan
- University of Winnipeg

# MASTER IN INFORMATION SYSTEMS

*in collaboration with*



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  
(N/482/7/0155)(11/23)(MQA/PA11172)

**INTAKES: JAN, MAY & SEP**

## Duration

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

## Course Structure

Core modules

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

Specialization modules

- Enterprise Systems
- Big Data Leverage
- Business Simulation

## Entry Requirements

- A Bachelor's Degree or its equivalent (in a related field\*), with a CGPA of 2.75 and above  
OR
- A Bachelor's Degree or its equivalent (in a related field\*), with a CGPA of 2.50 and above but less than 2.75 and subjected to rigorous internal assessment  
OR
- A Bachelor's Degree or its equivalent (in a related field\*), with a CGPA below 2.50 and minimum 5 years of relevant working experience

## English Language Requirements

- TOEFL 550 or IELTS 6.0

## Other Qualifications

Applicants with non-IT qualifications are required to take two pre-requisite modules

\*4+0 Business Programs is offered in Subang Campus. For more information, please refer to the American Degree Transfer Program (AUP) brochure.

\* Information Technology, Information Systems, Computer Science, Software Engineering

# MASTER IN INFORMATION TECHNOLOGY

in collaboration with



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  
(N/482/7/0155)(11/23)(MQA/PA11172)

**INTAKES: JAN, MAY & SEP**

## Duration

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

## Course Structure

### Core Modules

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

### Specialization Modules

- Network Security
- IT Project Management
- Ubiquitous Computing

## Entry Requirements

- A Bachelor's Degree or its equivalent (in a related field\*), with a CGPA of 2.75 and above  
OR
- A Bachelor's Degree or its equivalent (in a related field\*), with a CGPA of 2.50 and above but less than 2.75 and subjected to rigorous internal assessment  
OR
- A Bachelor's Degree or its equivalent (in a related field\*), with a CGPA below 2.50 and minimum 5 years of relevant working experience

## English Language Requirements

- TOEFL 550 or IELTS 6.0

## Other Qualifications

Applicants with non-IT qualifications are required to take two pre-requisite modules

# DOCTOR OF PHILOSOPHY (PHD) IN INFORMATION SYSTEMS

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 Workshops
- Proposal Defence
- Research Thesis Supervision
- Students must to produce a 40,000-word thesis to fulfil the graduation requirement
- 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
- Meet any of one the following English language requirements:
  - i. Master's degree conducted in the English language\*;
  - ii. IELTS score of 6.0;
  - 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.

Any other qualification with relevant working experience will be subject to approval by the Senate

## Offered at

INTI International University  
(R/482/8/0128)(10/20)(MQA/FA0030)

**INTAKES: JAN, MAY & SEP**

## Duration

3 years (Full-time)  
4 years (Part-time)

# HEAR WHAT OUR ALUMNI SAY



“I completed both my diploma and degree studies at INTI Subang. Reflecting on my wonderful years at INTI, I am beyond grateful for the well-rounded education, helpful lecturers and the many friendships forged, which helped prepare me for the real world. I gained teamwork and communications skills, and was instilled with a sense of responsibility and good work habits.”

**TENG SHI XUAN**  
Management Associate, DKSH Corporate Shared Services Center Sdn. Bhd.  
Bachelor of Information Technology

“INTI’s Computer Science programme 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



“As an INTI graduate trainee at the Intel Penang, I worked closely with Intel’s product development engineers and am proud to have helped develop a software to automate the company’s pen and paper process. INTI’s solid industrial partnership programme has enabled me to experience real-life work situations as well as showcase my capabilities, and as a result, I have been offered an employment opportunity even before completing my studies.”

**CHEOK JU KHENG**  
Graduate Trainee, Intel Penang  
Bachelor of Science (Hons) in Computer Science

“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 (Hons) in Computer Science



“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 (Hons) in Computing

# 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 )

## KOLLECT SYSTEMS SDN BHD

“Our internship experience with INTI students have shown the students to be capable and able to do complex IT work and data analytics. Partnership with INTI provides us with access to a good talent pool and at the same time, we are able to share our experience and the industry trends. I find INTI students to be hardworking and knowledgeable, making them highly employable.”

**KeshMahinder Singh** ( CEO )

## SAMSUNG MALAYSIA

“INTI’s structured and committed engagement with the industry has closed the gap between the classroom and the realities of the workplace. This is critical to the development of INTI’s graduates as the curricula is now more practical rather than academic. This makes a difference when employers like Samsung selects who their future talents should be. We no longer look at academic excellence alone, we look at how knowledge can be practically deployed. And in this regard, INTI has done a remarkable job preparing its students to succeed through close collaboration with the industry, tweaking both delivery and content which make sense to employers.”

**Chen Fong Tuan** ( HR & General Affairs Director )

# 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.
- SOCIAL MEDIA SENTIMENT ANALYSIS**  
 RHB  
 RHB teamed up with INTI students to develop a tool that could perform sentiment analysis on tweets pulled live via tweepy and Twitter API. The data pulled is then analysed based on how positive or negative the tweet is. The tool also has a page to update configurations, add new analyses and view analyses.
- 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.

## INTI NETWORK

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