

new

# BACHELOR OF COMPUTER SCIENCE (HONOURS)

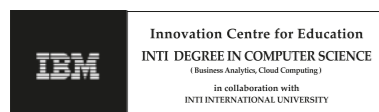
Online Learning



new

# BACHELOR OF COMPUTER SCIENCE (HONOURS)

Online Learning



The aim of this programme is to introduce the concepts and technologies of computing, in particular software engineering, 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 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

## 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.

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

### Career Opportunities

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

## 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 Opportunities

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

## 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

## Entry Requirements

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)

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

Others:

Please refer to INTI International University

## Get Connected with INTI!



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### INTI NETWORK

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03-5623 2800 | No. 3, Jalan SS15/8, 47500 Subang Jaya

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

**INTI COLLEGE SABAH** DK249-03(S)  
088-765 701 | Lot 17-20, Phase 1B & Phase 3, Off Jalan Kompleks JKR,  
Taman Putatan Baru, Putatan Point, 88200 Putatan, Kota Kinabalu

### 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 Tugah, 93350 Kuching

