



QUEST
INTERNATIONAL
UNIVERSITY

In proud
partnership with



BACHELOR OF COMPUTER SCIENCE (HONS) (PA 10305)

SPECIALISATION IN:

Database Management

Distributed Systems

Security

Embedded Systems



The Bachelor of Computer Science (Hons) programme is a mainstream computing programme aimed at producing graduates capable of managing information and information systems in a wide range of IT environments and in the field of applications development.

One major highlight of the Bachelor of Computer Science (Hons) programme is its innovative curriculum that balances theory and application. Students will go through extensive laboratory practise of technical subjects and four months of intensive industrial training that will give them substantial exposure on the techniques used in the IT industry. The project work in the final year of study includes problem-solving case studies that will provide undergraduates the opportunity to apply their knowledge and skills and prepare them for real-world work scenarios.

Students will be given the option to complete their industrial training within the country, or overseas at identified centres such as the International Institute of Information Technology (IIIT), Hyderabad.

Assignments, workshops/seminar, industrial training and successful projects undertaken throughout the duration of the programme will contribute towards the creation of a student who has the requisite skills to obtain suitable jobs or to get involved in the business world in the field of Information Technology, Computer Science, Computer Communications and/or Engineering. **Furthermore, besides acquiring adequate knowledge in the field of Information Technology, students will have the option to specialise in distributed systems, database management, security or embedded systems.** Graduates with special training in any of the abovementioned areas are highly sought-after in the IT industry.

PROGRAMME CONTENT

The following courses make up the **Bachelor of Computer Science (Hons) (PA 10305)** programme curriculum:

MQA Courses	<ul style="list-style-type: none"> Bahasa Kebangsaan A or Bahasa Kebangsaan B Pengajian Malaysia Pengajian Islam or Pendidikan Moral 	
University Courses	<ul style="list-style-type: none"> English 1 English 2 Study of Society 	<ul style="list-style-type: none"> Understanding Human Behaviour Co-Curriculum
Compulsory Courses	<ul style="list-style-type: none"> Principles of Programming Computer Organisation Internet Programming Calculus and Linear Algebra Data Structures and Algorithms System Analysis and Design Advanced Web Programming Discrete Mathematics Object-Oriented Programming Database Systems Statistics and Probability 	<ul style="list-style-type: none"> Operating Systems Visual Programming I Human Computer Interaction Software Engineering Computer Security Computer Networks Visual Programming II Computer Graphics Project (Majoring) Industrial Training
Specialisation Courses	<p>Distributed Systems</p> <ul style="list-style-type: none"> Network Programming Network Security Parallel and Grid Computing High-Speed Networks Wireless Communication Systems <p>Database Management</p> <ul style="list-style-type: none"> Distributed Database and Management Systems Data Mining and Data Warehousing Network Security Database Administration Database Security 	<p>Security</p> <ul style="list-style-type: none"> Network Security Cryptography and Data Security Advanced Network Security Database Security Incident Response and Disaster Recovery <p>Embedded Systems</p> <ul style="list-style-type: none"> Embedded Linux Digital System and Architecture Microprocessor and Interfacing Cryptography and Data Security Distributed Operating Systems

MINIMUM ENTRY REQUIREMENTS

Sijil Tinggi Pelajaran Malaysia (STPM)	Pass STPM with full passes in two (2) subjects and with a credit in Mathematics at the SPM Level
General Certificate of Education Advanced ("A") levels	Pass A Levels with full passes in two (2) subjects and with a credit in Mathematics at the SPM/ 'O' Levels
QIUP Foundation in Business / Science	Pass with a minimum CGPA of 2.0
SAM / AUSMAT / UNSW Foundation / NSW HSC / SIT Foundation / MUFY / CIMP / CPU	Pass with a minimum CGPA of 2.0
Government Matriculation	Pass with CGPA of 2.0
Unified Examination Certificate (UEC)	A minimum of Grade B in five (5) subjects
Indian Higher School Certificate (HSC) / Secondary School Leaving Certificate (SSLC)	Grade C+ in any three subjects (A: 75-100; B+: 66-74; B: 57-65; C+: 50-56; C: 45-49)
Diploma in IT / Computer Science	Pass Diploma in related field with a minimum CGPA of 2.0
International Baccalaureate (IB)	Pass with 24 points
Bangladesh Higher School Certificate (HSC)	Grade C+ in any three subjects, including English (A: 75-100; B+: 66-74; B: 57-65; C+: 50-56; C: 45-49)
Other Qualifications	Other qualifications will be assessed based on Senate's recommendation and referred to MQA for approval on a case by case basis

Intakes:

There will be two (2) intakes in each academic year, i.e. in April and September.

Duration:

The bi-semester programme is taught over a period of three years.

Mode of Study:

Full-time study

Assessment:

Students' ability is gauged both through continuous assessments and a final exam at the end of each semester. The continuous assessment component comprises tests/quizzes, mid-term examination and projects/assignments which accounts for an allocation of about 40-50 marks depending on the course. The balance of the marks is allocated for the final examination.

TOLL FREE

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