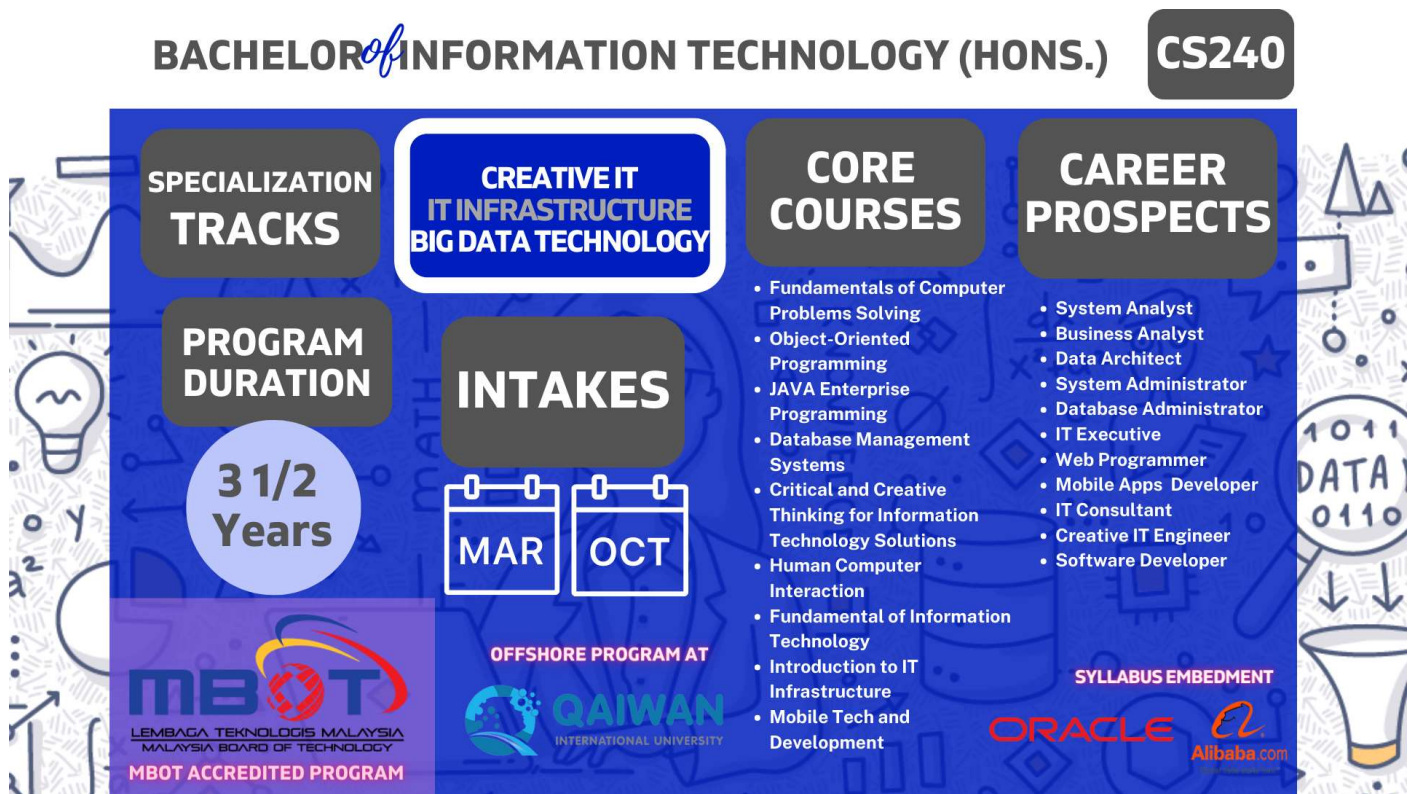# CS240 BACHELOR OF INFORMATION TECHNOLOGY (HONS.) / SARJANA MUDA TEKNOLOGI MAKLUMAT (KEPUJIAN)

CS240 BACHELOR OF INFORMATION TECHNOLOGY (HONS.) / SARJANA MUDA TEKNOLOGI MAKLUMAT (KEPUJIAN)

Programme Inforgraphic

Programme Detscription/ Perincian Program

UiTM's Bachelor of Information Technology (Hons) offers you a strong study programme with a multi-skilled knowledge; a balance of technical and creative courses adherence to the dynamically changing field of computing and business needs.

The students will be prepared to become highly IT professionals or business minded IT entrepreneur who posses criteria such as creative thinker, being dynamic, sustainable, marketable and independently meeting the challenges of technologies. This can be achieved by completing a combination of core and elective subjects that we offered such as Fundamentals of Information Technology, Critical and Creative Thinking for Information Technology Solutions, Principles of Data Management, Human Computer Interaction (HCI), Web Technology

and Application, Mobile Technology, E-Commerce Technology, Technology Entrepreneurship, User Interface Design and Information Architecture, Business Intelligence, Economics and many others. These subjects provide students with basic and advanced knowledge in respective areas.

The programme has the objectives of producing graduates:

- who can demonstrate an understanding of fundamentals of Information Systems concept.
- who can design and develop usable applications for individuals ororganizations.
- who can propose creative solutions in information technologies for individuals or organizations.
- who are able to communicate ideas effectively in written and oral form.
- who are able to work independently or in a team on projects.
- who practise ethical standards and practise in professional work.
- who can apply fundamental information systems knowledge for life-long learning.
- who can apply managerial or entrepreneurship skills.
- who can demonstrate leadership skills.

Entry Requirement/ Syarat Kemasukan

FAKULTI SAINS KOMPUTER DAN MATEMATIK
Memenuhi Syarat Am Universiti serta Syarat Khas Program

Bil.	Nama Program | Kod UiTM / Kod UPU | Tempoh Pengajian | Syarat Am Universiti	Lepasan	
		Min CGPA / PNGK / MUET	Syarat Khas Program
	Sarjana Muda Teknologi Maklumat (Kepujian) CS240 / UE6481002 (3 ½ Tahun / 7 Semester) **Terbuka kepada keturunan Melayu, Anak Negeri Sabah, Anak Negeri Sarawak dan Orang Asli sahaja.** **Syarat Am Universiti** • Lulus SPM / setaraf dengan baik. • Lulus Sejarah (mula diguna pakai SPM 2013). • Kepujian dalam Bahasa Melayu / Malaysia di peringkat SPM / setaraf. • Mendapat sekurang - kurangnya Gred C (NGMP 2.00) dalam Pengajian Am dan sekurang - kurangnya PNGK 2.00. • Lulus Matrikulasi KPM / Asasi Sains UM / Asasi UiTM dengan mendapat sekurang-kurangnya PNGK 2.00. • Lulus Diploma dari IPT yang diiktiraf oleh Kerajaan Malaysia. • *Malaysian University English Test* (MUET) Band 1.		**LEPASAN DIPLOMA UiTM**
		2.50 / Band 2	Diploma Sains Komputer / Diploma Sains Matematik / Diploma Sains Kuantitatif / Diploma Statistik / Diploma Sains Aktuari. **ATAU** Diploma dalam bidang Sains dan Teknologi / Diploma Sains Pengurusan dan Perniagaan.
		2.00 / Band 2	Diploma Sains Komputer / Diploma Sains Matematik / Sains Kuantitatif / Diploma Statistik / Diploma Sains Aktuari dengan satu (1) tahun pengalaman bekerja dalam bidang pengkomputeran. **ATAU** Diploma dalam bidang Sains dan Teknologi / Diploma Sains Pengurusan dan Perniagaan dengan kepujian Matematik di peringkat SPM / Setaraf dengan satu (1) tahun pengalaman bekerja dalam bidang pengkomputeran. **Nota**: Calon lulus saringan di peringkat fakulti.
			LEPASAN DIPLOMA INSTITUSI PENGAJIAN TINGGI YANG DIIKTIRAF OLEH KERAJAAN MALAYSIA
		2.50 / Band 2	Diploma dalam bidang Pengkomputeran **ATAU** Diploma dalam bidang Sains dan Teknologi / Sains Pengurusan dan Perniagaan dengan kepujian dalam Matematik di peringkat SPM / Setaraf. **Nota**: Calon lulus saringan di peringkat fakulti.
			LEPASAN ASASI UiTM / ASASI SAINS UM / MATRIKULASI KPM / ASASI PINTAR UKM
		2.00 / Band 2	Lulus dengan minimum PNGK 2.00. **DAN** Lulus SPM / Setaraf dengan mendapat kepujian dalam Matematik dan salah satu mata pelajaran Fizik / Kimia / Biologi / Fundamentals of Programming / Programming and Development Tools / Information and Communication Technology / Sains Tambahan / Sains / Sains Komputer / Grafik Komunikasi Teknikal / Reka Cipta / Pengajian Kejuruteraan Awam / Pengajian Kej. Mekanikal / Pengajian Kej. Elektrik & Elektronik / Lukisan Kejuruteraan / Reka Bentuk Grafik / Produksi Multimedia

FAKULTI SAINS KOMPUTER DAN MATEMATIK
Memenuhi Syarat Am Universiti serta Syarat Khas Program

Bil.	Nama Program | Kod UiTM / Kod UPU | Tempoh Pengajian | Syarat Am Universiti	Lepasan	
		Min CGPA / PNGK / MUET	Syarat Khas Program
		LEPASAN STPM / SETARAF	
		2.00 / Band 2	Lulus dengan minimum Gred C (NGMP 2.00) dalam mana - mana DUA (2) mata pelajaran DAN Lulus SPM / Setaraf dengan mendapat kepujian dalam Matematik dan salah satu mata pelajaran Fizik / Kimia / Biologi / Fundamentals of Programming / Programming and Development Tools / Information and Communication Technology / Sains Tambahan / Sains / Sains Komputer / Grafik Komunikasi Teknikal / Reka Cipta / Pengajian Kejuruteraan Awam / Pengajian Kej. Mekanikal / Pengajian Kej. Elektrik & Elektronik / Lukisan Kejuruteraan / Reka Bentuk Grafik / Produksi Multimedia.
		ACCREDITATION OF PRIOR EXPERIENTIAL LEARNING (APEL)	
		Band 2	- Lulus Penilaian APEL (ujian Aptitud dan Portfolio) oleh MQA. - Umur tidak kurang daripada 21 tahun pada tahun permohonan. - Pengalaman bekerja dalam bidang Sains dan Teknologi sekurang - kurangnya tujuh (7) tahun. - Lulus temu duga peringkat Fakulti.

Further information, please contact:

Dr Noraziah Daud

Koordinator

Tel: 03-55211226

Course Details

Semester 1 Year 1

Co-Curriculum I, Islamic and Asian Civilization, Fundamentals of Information Systems Development, Applied Probability and Statistics, Fundamentals of Information Technology

Semester 2 Year 1

Co-Curriculum II, Linear Algebra, Object Oriented Programming, Data Communication and Networking, Introduction to Management and Operations Research

Semester 3 Year 2

Co-Curriculum III, Malaysian History, English for Critical Academic Reading, Third Language (Level I), Critical and Creative Thinking for Information Technology Solutions, Database Management Systems, Principles of Operating Systems, Elective I.

Semester 4 Year 2

English or Oral Presentation, Third Language (Level II), Principles of Data Management, Human Computer Interaction, IT Project Management, Elective II, Elective III.

Semester 5 Year 3

Third Language (Level III), English for Report Writing, Web Technology and Application, Project Formulation, Java Programming, IT Information Systems Engineering, Elective IV, Elective V

Semester 6 Year 3

IT Project, Social, Ethical, and Professional Issues, Mobile Technology,Technology Entrepreneurship, Elective VI

Semester 7 Year 4

Elective (for a chosen option)

Creative IT

Information Architecture, Tools and Method in Design Development, Technologies for Futuristic Systems, Data Technology and Future Emergence.

IT Infrastructure

Network and System Administration, Database Administration and Security, Information and Network Security, Information Technology Service Management.

Big Data Technology

Programming for Data Sciences, Data Representation & Reporting Technique, Statistics for Business and Social Sciences, Data Technology and Future Emergence, Big Data Application and Issues, Data Mining.

Industrial Training

Career Opportunities/ Peluang Kerjaya

IT is integral in our lives as it drives the innovation and assists us to solve problems in government sector (local and federal), creative industries, organizations, software house, high-tech companies, education, research institution, logistics, transportation, professional group companies, banks, medical, aviation, wholesalers, retailers and in the development of new products and services. Hence it is hard to imagine a job anywhere in any professionals without IT knowledge and skills in hands!

Our graduates can work in a range of roles such as:

- Creative IT Engineer
- Programmer
- System Analyst
- Business Analyst
- Data Architect
- System Administrator
- Database Administrator
- Software Developer
- IT Officers
- Webmaster

- Mobile Apps Developer
- IT Entrepreneur
- IT Consultant

Accreditation/ Akreditasi

Universiti Teknologi MARA (UiTM) Shah Alam (https://www2.mqa.gov.my/mqr/english/epaparIPTAAA.cfm?
IdAkrKP=17736)

Locations / Lokasi

This program is offered at UiTM Shah Alam, Kelantan (Machang) & Perlis (Arau).