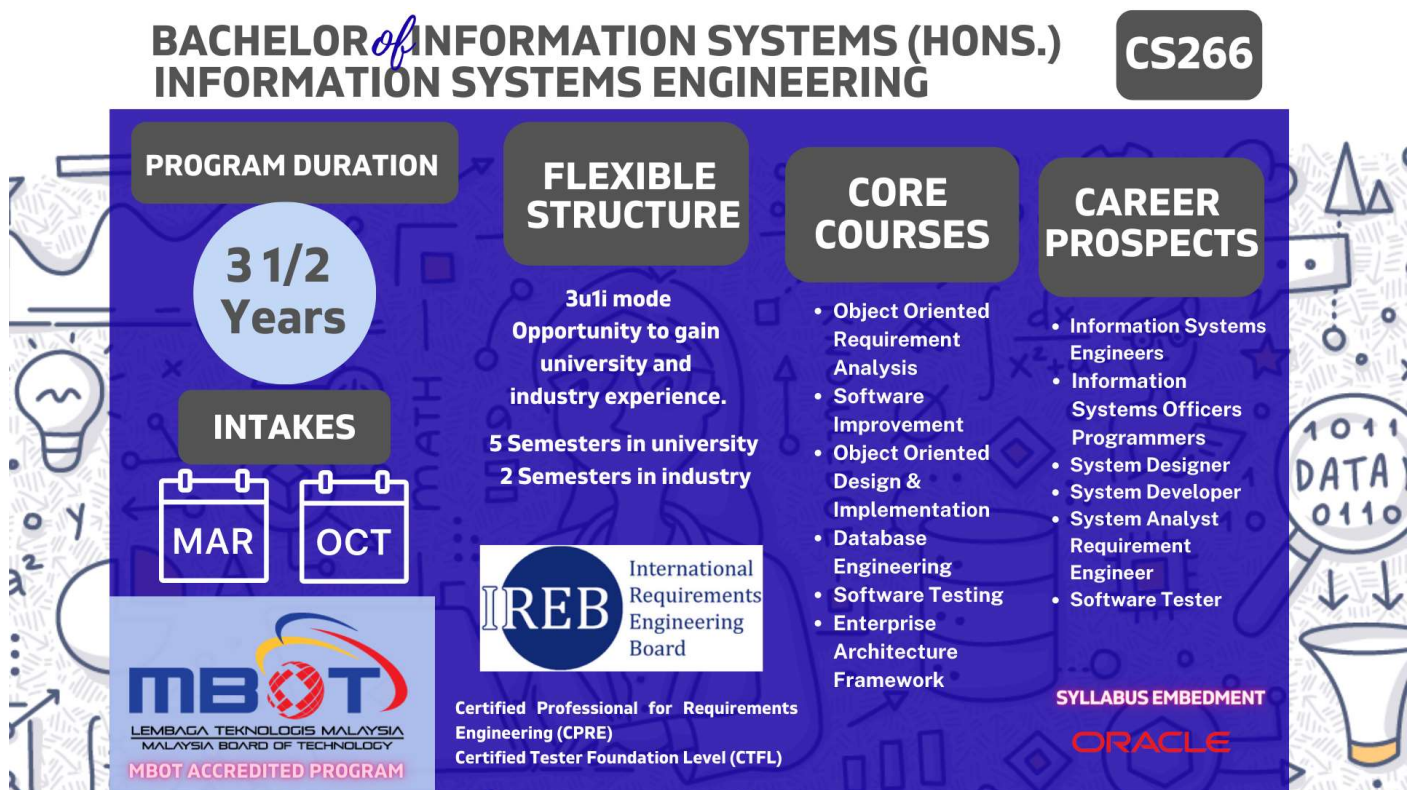


# CS266 BACHELOR OF INFORMATION SYSTEMS (HONS.) INFORMATION SYSTEMS ENGINEERING / SARJANA MUDA SISTEM MAKLUMAT (KEPUJIAN) KEJURUTERAAN SISTEM MAKLUMAT

(CS266) BACHELOR OF INFORMATION SYSTEMS (HONS.) INFORMATION SYSTEMS ENGINEERING /  
SARJANA MUDA SISTEM MAKLUMAT (KEPUJIAN) KEJURUTERAAN SISTEM MAKLUMAT

## Infographic



## Programme Description / Penerangan Program

Our programme, Bachelor in Information Systems (Hons.) Information Systems Engineering, is a 3.5-year programme that offers graduates with an interdisciplinary (information systems, databases and software engineering) approach and means to enable the realization of successful information systems. The programme integrates all the disciplines and specialty groups into a team effort forming a structured development process that proceeds from concept to production to operation.

To fill the industry needs and to successfully meet growing challenges, we are the first programme in the Faculty of Computer and Mathematical Sciences who offers a one-year industrial training within 3u1i (3 year university, 1 year industry) academic programme initiative, which aim to enhance our students learning experience through

experiential learning in real work environment.

Our programme offers comprehensive facilities to cater students' learning needs and comfort during their study years at our campuses. The teaching facilities comprises of smart classrooms, Big data Lab which will expand students' experience in using various software applications such as MATLAB, MAPLE, and Phyton to use mathematical models in solving real life problems.

# Entry Requirement/ Syarat Kemasukan

<b>FAKULTI SAINS KOMPUTER DAN MATEMATIK</b> 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
	<b>Sarjana Muda Sistem Maklumat (Kepujian) Kejuruteraan Sistem Maklumat</b> <b>CS266 / UE6481005</b> <b>(3 ½ Tahun / 7 Semester)</b>  <b>Terbuka kepada keturunan Melayu, Anak Negeri Sabah, Anak Negeri Sarawak dan Orang Asli sahaja.</b>  <b>Syarat Am Universiti</b> <ul style="list-style-type: none"> <li>Lulus SPM / setaraf dengan baik.</li> <li>Lulus Sejarah (mula diguna pakai SPM 2013).</li> <li>Kepujian dalam Bahasa Melayu / Malaysia di peringkat SPM / setaraf.</li> <li>Mendapat sekurang - kurangnya Gred C (NGMP 2.00) dalam Pengajian Am dan sekurang - kurangnya PNGK 2.00.</li> <li>Lulus Matrikulasi KPM / Asasi Sains UM / Asasi UiTM dengan mendapat sekurang-kurangnya PNGK 2.00.</li> <li>Lulus Diploma dari IPT yang diiktiraf oleh Kerajaan Malaysia.</li> <li>Malaysian University English Test (MUET) Band 1.</li> </ul>	<b>LEPASAN DIPLOMA UiTM</b>	
		<b>2.50 / Band 2</b>	Diploma Sains Komputer / Diploma Sains Kuantitatif / Diploma Sains Matematik / Diploma Statistik / Diploma Sains Aktuari.  <b>ATAU</b>  Diploma dalam bidang Sains dan Teknologi.
		<b>2.00 / Band 2</b>	Diploma Sains Komputer / Diploma Sains Kuantitatif / Diploma Sains Matematik / Diploma Statistik / Diploma Sains Aktuari dengan SATU (1) tahun pengalaman bekerja dalam bidang pengkomputeran.  <b>ATAU</b>  Diploma dalam bidang Sains dan Teknologi dengan kepujian Matematik di peringkat SPM / Setaraf dengan SATU (1) tahun pengalaman bekerja dalam bidang pengkomputeran.  <b>Nota:</b> Calon lulus saringan di peringkat fakulti.
		<b>LEPASAN DIPLOMA INSTITUSI PENGAJIAN TINGGI YANG DIIKTIRAF OLEH KERAJAAN MALAYSIA</b>	
		<b>2.50 / Band 2</b>	Diploma dalam bidang Pengkomputeran  <b>ATAU</b>  Diploma dalam bidang Sains dan Teknologi dengan kepujian dalam Matematik di peringkat SPM / Setaraf.  <b>Nota:</b> Calon lulus saringan di peringkat fakulti.
		<b>LEPASAN ASASI UiTM / ASASI SAINS UM / MATRIKULASI KPM / ASASI PINTAR UKM</b>	
		<b>2.00 / Band 2</b>	Lulus dengan minimum PNGK 2.00.  <b>DAN</b>  Lulus SPM / setaraf dengan mendapat kepujian dalam mata pelajaran berikut:  a. Matematik Tambahan; atau b. 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



<b>FAKULTI SAINS KOMPUTER DAN MATEMATIK</b> 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
		<b>LEPASAN STPM / SETARAF</b>	
		<b>2.00 / Band 2</b>	Lulus dalam aliran Sains dengan minimum Gred C (NGMP 2.00) dalam SATU (1) mata pelajaran Matematik dan SATU (1) mata pelajaran Sains / ICT.  <b>DAN</b>  Lulus SPM / setaraf dengan mendapat kepujian dalam mata pelajaran berikut:  a. Matematik Tambahan; atau b. 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.
			<b>ACCREDITATION OF PRIOR EXPERIENTIAL LEARNING (APEL)</b>
		<b>Band 2</b>	<ul style="list-style-type: none"> <li>▪ Lulus Penilaian APEL (ujian Aptitud dan Portfolio) oleh MQA.</li> <li>▪ Umur tidak kurang daripada 21 tahun pada tahun permohonan.</li> <li>▪ Pengalaman bekerja dalam bidang Sains dan Teknologi sekurang - kurangnya tujuh (7) tahun.</li> <li>▪ Lulus temu duga peringkat Fakulti.</li> </ul>

Further information, please contact:

Dr Nor Shahida Mohamad Yusop

Koordinator Sistem Maklumat

Tel: 03-5521 1154

## Course Detail / Perincian Kursus

### Semester 1 Year 1

Co-Curriculum I, Islamic and Asian Civilization, Fundamentals of Computer Science, Fundamentals of Computer Problem Solving, Probability and Statistics, Linear Algebra I.

### Semester 2 Year 1

Co-Curriculum II, Introduction to Management, Intermediate Financial Accounting and Reporting, Economics, Object Oriented Programming, Introduction to Data Communication and Networking, Fundamental of IS development.

**Semester 3 Year 2**

Co-Curriculum III, Third Language I, English for Academic Writing, Object-Oriented Requirement Analysis, Software Improvement, Fundamentals of Information Systems, Malaysian History, Operation Research.

**Semester 4 Year 2**

English for Oral Presentation, Third Language II, Object-Oriented Design & Implementation, Java Programming, Database Engineering, Elective I, Elective II.

**Semester 5 Year 3**

Third Language III, English for Report Writing, IT Projects Management, System Testing & Evolution, Introduction to Enterprise Architecture Framework, Project Formulation, Elective III.

**Semester 6 Year 3**

Ethical, Social & Professional Issues, Project, Elective IV, Elective V, English Exit Test (EET), Technology Entrepreneurship.

**Semester 7 Year 4**

Industrial Training

**Elective Subjects**

Introduction to Interactive Multimedia, Multimedia Technology and Applications, Introduction to E-Commerce, E-Commerce Application Development, Dynamic Web Application Development. Internet Programming I, Data Structure and Algorithm Analysis, Intelligent Systems Development.

## Job Opportunities / Peluang Pekerjaan

Graduates from this programme have opportunities to be employed as Software Engineers, Information Systems Engineers, Information Systems Officers, Programmers, System Designers, System Developers and IT Project Managers. Other relevant industries range from Education, Banking and Finance as well as opportunities to work with Multi National Corporation (MNC).

The programme embraced and facilitated collaboration with well-established industries such as Heitech Padu Sdn. Bhd, InfoPro Sdn. Bhd and many more for establishing the 3u1i initiatives. These mutually beneficial partnerships served the students, lecturers and the companies in providing certification, training, software with support, and future research collaboration. The industry also assists in developing an industrial driven curriculum.

## Accreditation/ Akreditasi

Universiti Teknologi MARA (UiTM) Cawangan Melaka Kampus Jasin  
(<https://www2.mqa.gov.my/mqr/english/epaparIPTAAA.cfm?IdAkrKP=17519>)

Universiti Teknologi MARA (UiTM) Shah Alam (<https://www2.mqa.gov.my/mqr/english/epaparIPTAAA.cfm?IdAkrKP=17741>)

## Locations / Lokasi

This program is offered at UiTM Melaka (Jasin) & UiTM Shah Alam.

