

## **BACHELOR OF INFORMATION TECHNOLOGY PROGRAMME**

### **PROGRAMME OVERVIEW**

Information Technology (IT) has an important role in our everyday life. IT enables individuals and organisations to gather, organise and analyse data quickly to assist them achieve their goals. The rapidly changing technologies in IT world requires IT professionals to adapt themselves with these changes. It is therefore, this programme is tailored to address these important aspects with aspiration to equip graduates with a strong IT foundation and practical skills. Graduates of the programme can explore various career opportunities such as information/systems design analysts; IT developer for manufacturing, production and computing industries; data scientist; programmer and consultant. Apart from the industrial training, the programme also benefits from hands-on training session conducted by our industry partner.

### **Programme Objectives**

The programme should prepare graduates who

1. Possess fundamental knowledge, principles and skills relating to Information Technology.
2. Have strong analytical and critical thinking skills to solve problems by applying knowledge, principles and skills relating to Information Technology for lifelong learning.
3. Possess the ability to design, implement and manage Information Technology solutions and resources, and recognise the impact of technology on individuals, organisations and society.
4. Understand the interplay between theory and practice of Information Technology and the essential links between them.
5. Have communication, teamwork, leadership, interpersonal and entrepreneurial skills, and aware of the social, ethical and legal responsibilities.

### **Programme Learning Outcomes**

At the end of this program, the graduates of the Bachelor Information Technology are able to:

1. Demonstrate knowledge of essential facts, concepts, principles, and theories relating to Information Technology.
2. Design, implement and manage Information Technology solutions and resources, and recognise the impact of technology on individuals, organisation and society.
3. Inculcate skills and social responsibility in developing computing products relating to Information Technology.
4. Demonstrate professionalism and social and ethical consideration in accordance with ethical and legal principles relating to Information Technology.
5. Demonstrate communication, teamwork, leadership, and interpersonal skills.
6. Utilise relevant techniques and demonstrate analytical and critical thinking skills in problem solving relating to Information Technology.
7. Apply skills and principles of lifelong learning and information management in academic and career development relating to Information Technology.
8. Apply entrepreneurial and management skills in a broad perspective relating to Information Technology

<b>Komponen Kursus Course Component</b>	<b>Nama Kursus Course Title</b>	<b>Unit</b>	<b>Taraf</b>
Kursus Universiti	Citra Wajib	10	CW
	Citra Universiti	30	C1-C6
Kursus Wajib Program	TTTK1114 Pengaturcaraan Komputer	4	WP
	TTTR1333 Matematik Diskret	3	WP
	TTTM2033 Teknologi Platform	3	WP
	TTTK1143 Rekabentuk Aturcara & Penyelesaian Masalah	3	WP
	TTTT1964 Pangkalan Data	4	WP
	TTTR1223 Teknik Ber matematik Untuk Teknologi Maklumat	3	WP
	TTTU2983 Pangkalan Data Lanjutan	3	WP
	TTTK2023 Kejuruteraan Perisian Berorientasi Objek	3	WP
	TTTK2093 Interaksi Manusia Komputer	3	WP
	TTTK2323 Pengaturcaraan Mudah Alih	3	WP
	TTTK2153 Perkongsian Maklumat	3	WP
	TTTP2543 Pengaturcaraan Web	3	WP

<b>Komponen Kursus Course Component</b>	<b>Nama Kursus Course Title</b>	<b>Unit</b>	<b>Taraf</b>
	TTTN3513 Keselamatan Komputer dan Rangkaian	3	WP
	TTTT1022 Analisis Data	2	WP
	TTTM4172 Usulan Projek	2	WP
	TTTM4086 Projek	6	WP
	TTTK4013 Pentadbiran Sistem dan Rangkaian	3	WP
	TTTT4056 Latihan Industri	6	WP
	TTTT4076 Projek Industri	6	WP
Kursus Lengkap Program (LP)	TTTR1123 Pengurusan Operasi Industri	3	LP
	TTTR2043 Perancangan Sumber Enterpris (ERP)	3	LP
	TTTR2033 Pengurusan Kualiti	3	LP
	TTTR2143 Reka Bentuk dan Pembangunan Produk	3	LP
	TTTR3423 Pengaturcaraan dan Simulasi Robot	3	LP
	TTTR3153 Pemodelan dan Simulasi Sistem	3	LP
	TTTU3833 Teknologi E-Bisnes	3	LP

<b>Komponen Kursus Course Component</b>	<b>Nama Kursus Course Title</b>	<b>Unit</b>	<b>Taraf</b>
	TTTR3063 Reka Bentuk dan Inovasi Sistem Khidmat	3	LP
	TTTR3163 Internet Pelbagai Benda	3	LP
	TTTH3813 Realiti Maya	3	LP