UTAR
UNIVERSITI TUNKU ABDUL RAHMAN
Wholly owned by UTAR Education Foundation

Computing, IT and Mathematics

Undergraduate Studies

Kampar Campus

Business Information Systems

Communications and Networking

Computer Engineering

Computer Science

Digital Economy Technology

Information Systems Engineering

Statistical Computing and Decision Analytics

Industrial Intelligent Systems

Sungai Long Campus

Actuarial Science

Applied Mathematics with Computing

Financial Mathematics

Software Engineering

MBOT
LEMBAGA TEKNOLOGI MALAYSIA

MD
Premier Digital Tech Institution

SEOUL ACCORD

*Exclusive of 6% SST for the International Students

Bachelor of Information Systems (Honours)

(Business Information Systems)

(R3/0611/6/0114)(03/27)(MQA/FA14999)

Scan for Programme Details

Duration of study: 3 years

Campus: Kampar

Total Fees:

RM 55,050 (Local)

RM 77,500* (International)

Professional Recognition

Lembaga Teknologis Malaysia (Malaysia Board of Technologists)

Seoul Accord

Every company today relies on smart technology on intelligent decision-making, market insights, and strategic operations. There is a high demand for professionals and enterpreneurs to harness the combined power of Artificial Intelligence (AI), Business Analytics, Enterprise Resource Planning (ERP), Customer Relationship Management (CRM), Digital Supply Chain Management, and Digital Platform Ecosystems to drive a highly successful business. UTAR's Bachelor of Information Systems (Honours) (Business Information Systems) programme, collaborate with MoU partners from local and foreign industry leaders, gives you the skills to bridge the gap between technology and business success on sought-after roles in IT consulting, AI transformation, business strategy, and digital enterprise solutions, working with leading companies locally and internationally, gaining real-world experience and strong job connections before you even graduate and helping businesses in AI-driven digital transformation to optimise their operations, improve customer experiences, and stay ahead of the competition.

Career Prospects: Business Intelligence Consultant, Business Software Engineer, Business System Analyst/Consultant, Database Centre Manager, IT Support Personnel, Multimedia Applications Developer, Project Manager, System Auditor/Specialist, Technology Evangelist, Value-Chain Specialist

Bachelor of Information Technology (Honours)

(Communications and Networking)

(R3/0611/6/0113)(11/30)(MQA/FA15000)

Scan for Programme Details

Duration of study: 3 years

Campus: Kampar

Total Fees:

RM 54,650 (Local)

RM 77,000* (International)

Professional Recognition

Lembaga Teknologis Malaysia (Malaysia Board of Technologists)

Seoul Accord

The Communications and Networking programme aims to produce graduates who are competent in the design, development and implementation of communications and networking systems. This programme emphasises hands-on learning that exposes students to the current industrial and commercial networking standards and practices. It also introduces the students to the latest communication and network technologies such as the Internet of Things (IoT), Cybersecurity, 4G/5G Wireless Technology and Cloud computing. In addition, the students would have the chance to obtain their professional certifications such as the Cisco Certified Network Associate (CCNA) and Huawei Certified ICT Associate (HCIA) during their study.

Career Prospects: Communications System Developer, IT Consultant, IT Security Specialist, Network Administrator/Designer, Network Engineer, Network Security Architect

*Exclusive of 6% SST for the International Students

Bachelor of Information Technology (Honours)

(Computer Engineering)

(R3/0611/6/0051)(05/29)(MQA/FA15495)

Scan for Programme Details

Embedded systems consist of “invisible” computer and related peripherals hidden inside a product which exists in almost every aspect of our lives. We use embedded systems in washing machines, cars, factory automation machines, security alarm systems, smartphones, satellites and many others. Ubiquitous computing and Internet of Things (IoT) are a future trend that greatly enhances our life due to the rapid advancement of embedded systems design technology. This programme is to produce graduates with skills in using sophisticated software design tools for designing electronic circuits and systems. It prepares students to excel in the discipline of embedded systems design and computing which shapes the future of information and communication technology. It emphasises the development of design skills and knowledge that integrates both hardware and software into a system with application in Digital Signal and Image Processing (as in camera and video), Intelligent System and Networking.

Duration of study: 3 years

Campus: Kampar

Total Fees:

RM 55,100 (Local)

RM 77,550* (International)

Professional Recognition

Lembaga Teknologis Malaysia (Malaysia Board of Technologists)

Seoul Accord

Career Prospects: Computer Engineer, Digital Circuit and Analogue Design Engineer, Embedded Control Engineer, Firmware Engineer, IC Design Engineer, IT Support Engineer, Maintenance and Project Engineer, Product Engineer, System Design Engineer, System/Programme Development Engineer

Bachelor of

Computer Science (Honours)

(R3/481/6/0128)(03/27)(MQA/FA15001)

Scan for Programme Details

Computers are becoming part of our lives, changing virtually everything from the objects around us to the ways in which we communicate, travel, work and play. Computer Scientists shape the future by developing computational techniques, design systems and develop solutions to build advanced civilisation. Computer Science has now become a key enabler for discovery and innovation in many other fields, making it a highly relevant programme of study. This programme aims to prepare graduates who are technically competent in design, development and implementation of computing systems. Students will be equipped with a suitable mathematical background and solid computing knowledge for them to excel in the areas of software engineering, artificial intelligence and data analytics. Students will be trained to possess strong analytical and critical thinking to solve problems by applying knowledge, principles and skills in Computer Science.

Duration of study: 3 years

Campus: Kampar

Total Fees:

RM 55,100 (Local)

RM 77,550* (International)

Professional Recognition

Lembaga Teknologis Malaysia (Malaysia Board of Technologists)

Seoul Accord

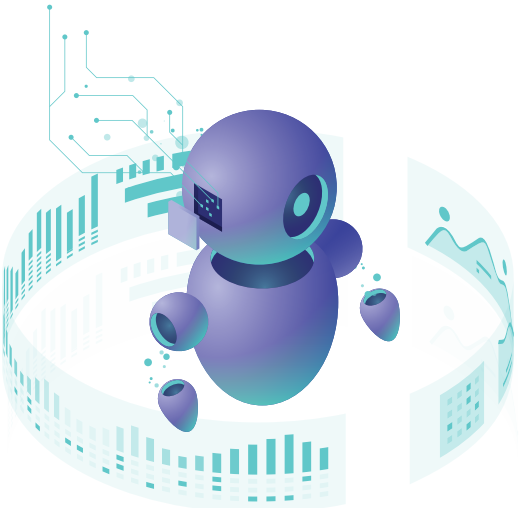
Last but not least, students will be provided with entrepreneurial skill and exposed to real world challenges to broaden their horizon and career prospects. The programme offers 3 areas of specialisation in Computer Science for students:

(i) Artificial Intelligence Option

(ii) Software Engineering Option

(iii) Mobile Application Development Option.

Career Prospects: Data Analyst/Engineer, Programmer, Software Developer, Software Engineer, Software Project Engineer, System Analyst, Web/Mobile Application Developer, Artificial Intelligence (AI) Software Engineer



*Exclusive of 6% SST for the International Students

Bachelor of Information Systems (Honours)

(Digital Economy Technology)

(R/0611/6/0112)(04/31)(MQA/FA13966)

Scan for Programme Details

Duration of study: 3 years

Campus: Kampar

Total Fees:

RM 54,600 (Local)

RM 76,950* (International)

Professional Recognition

Lembaga Teknologis Malaysia (Malaysia Board of Technologists)

Seoul Accord

The AI-driven digital economy is transforming industries worldwide, creating high-demand, high-paying opportunities across all sectors like finance, healthcare, e-commerce, and smart manufacturing. As businesses and governments increasingly embrace AI transformation, platform ecosystems, and API-driven economies, skilled professionals are needed to drive this revolution. UTAR's Bachelor of Information Systems (Honours) (Digital Economy Technology), with industry-aligned coursework co-developed with MoU partners from local and foreign industry leaders, this programme equips you with IT consulting and AI digital strategy, helping businesses optimize operations across multiple sectors, AI-driven transformation, enabling automation, data intelligence, and smarter decision-making in the AI economy, platform economy and API ecosystems, powering cross-border integrated markets across RCEP region.

Career Prospects: Business Intelligence Specialist, Business System Administrator, Data/Business Analyst, Digital Entrepreneur, Functional Consultant, IT Business Development Consultant/Manager, IT Customer Support, IT Project Executive/Manager, System Development Engineer, Web Platform Developer

Bachelor of Information Systems (Honours)

(Information Systems Engineering)

(R3/0611/6/0115)(03/27)(MQA/FA14998)

Scan for Programme Details

Duration of study: 3 years

Campus: Kampar

Total Fees:

RM 55,050 (Local)

RM 77,500* (International)

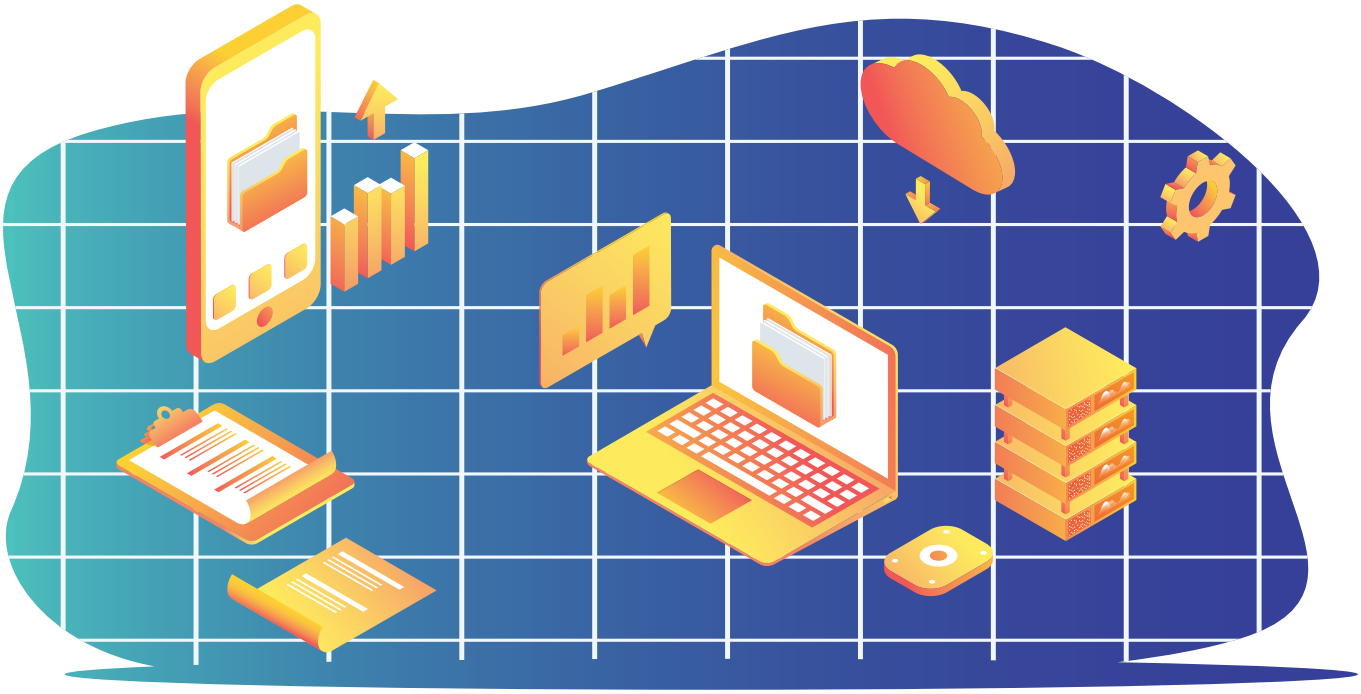
Professional Recognition

Lembaga Teknologis Malaysia (Malaysia Board of Technologists)

Seoul Accord

Data has become one of the most valuable assets for modern organisations. Businesses increasingly rely on sophisticated information systems to collect, process and manage large volumes of data to support decision-making and solve real-world challenges. The Information Systems Engineering programme is a multidisciplinary field that integrates computing, management and business knowledge to develop highly skilled information systems professionals. Students gain exposure to the theories, tools and technologies required to design, develop, test and maintain complex information systems. Graduates are well-prepared to meet the growing demand for technically qualified professionals in the rapidly expanding information systems industry.

Career Prospects: Database Administrator/Developer, IT Solution Architect, Project Engineer/Manager, Software Engineer, System Analyst/Consultant, System Developer/Engineer, QA Engineer, Web/Mobile Applications Developer



*Exclusive of 6% SST for the International Students

Bachelor of Science (Honours)

Statistical Computing and Decision Analytics

(R3/0542/6/0011)(11/29)(A10094)

Scan for Programme Details

This programme equips students with the fundamentals and applications of statistical methods and operations research techniques to support quantitative analysis, modelling and solving in the scientific and business-related problems. Students will also be exposed to managerial and computing skills to effectively and efficiently utilise and optimise the usage of organisational resources in service and manufacturing industries. The key objective of the programme is to produce students who are able to practice lifelong learning attitudes, continuously challenging themselves to improve and remain relevant to the ever-changing needs of industry, locally as well as internationally.

Duration of study: 3 years
Campus: Kampar
Total Fees:
RM 53,650 (Local)
RM 75,750* (International)

Career Prospects: Statistician, Data Scientist/Analyst, Financial Analyst, Quality Controller, Business Analyst, Operations Research Analyst, Market Researcher, Risk Assessor, Survey Firm Consultant

Bachelor of Information Technology (Honours)

(Industrial Intelligent Systems) WBL

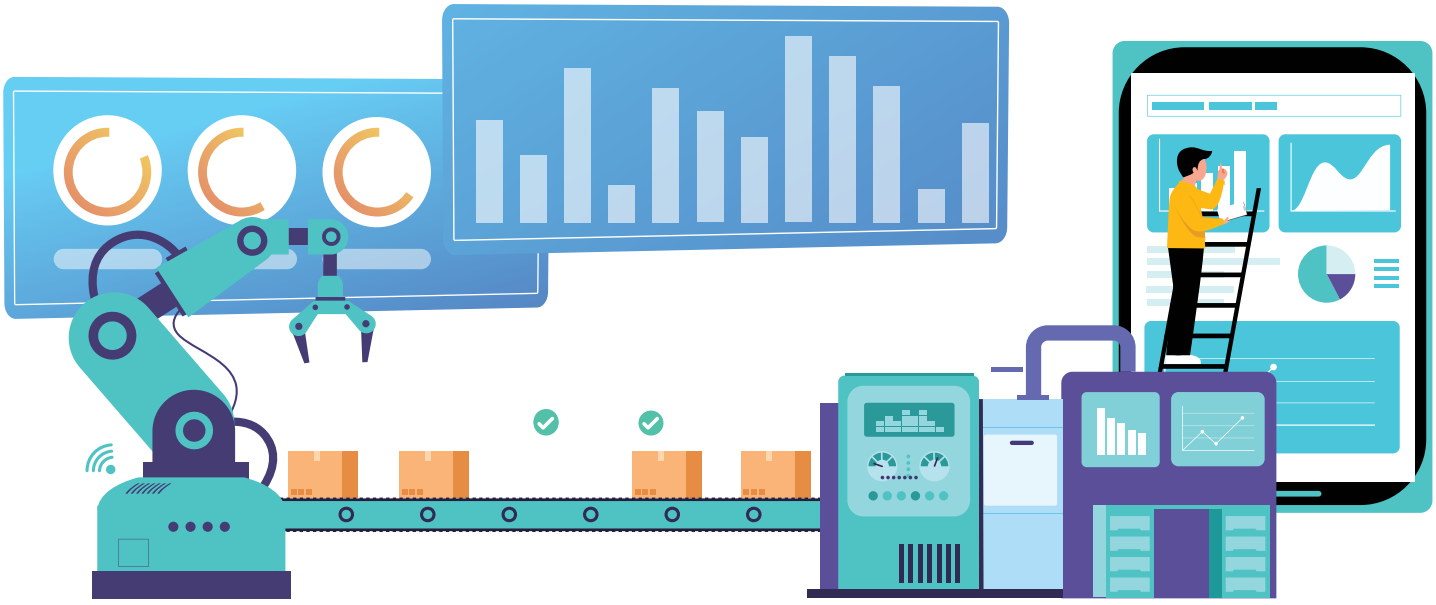
(N/0611/6/0018)(07/28)(MQA/PA15869)

Scan for Programme Details

Digital transformation is reshaping how industries operate in the era of Industry 4.0. The Bachelor of Information Technology (Honours) (Industrial Intelligent Systems) prepares students to support this transformation by integrating intelligent technologies such as artificial intelligence, machine learning, data analytics, and IoT into industrial environments. The programme provides a strong IT foundation in areas such as programming, networking, and database systems, while also focusing on key Industry 4.0 technologies including digitisation, data acquisition, AI, robotics, and automation. These competencies enable graduates to enhance operational efficiency, support data-driven decision-making, and contribute to the development of intelligent industrial solutions. Students also have the opportunity to participate in a work-based learning pathway, where they may spend up to one year in industry gaining hands-on experience, mentorship from industry partners, and exposure to real-world professional environments.

Duration of study: 3 years
Campus: Kampar
Total Fees:
RM 54,650 (Local)
RM 77,000* (International)

Career Prospects: System Architect, System Integrator, IT Analyst, IT Support Engineer, Digital Transformation Executive, Data Analyst



*Exclusive of 6% SST for the International Students

Bachelor of

Software Engineering* (Honours)

*also available in 2u2i

(R3/0612/6/0023)(03/30)(MQA/FA15002)

Scan for Programme Details

Software Engineering focuses on the systematic design, development and maintenance of software throughout the entire software development life cycle, including analysis, design, implementation, testing and maintenance. As software applications continue to grow in complexity across industries such as business, science, entertainment and education, skilled software engineers are increasingly in demand. This programme provides comprehensive training in the principles, techniques and tools used in modern software development. With a strong emphasis on practical application, students gain hands-on experience through advanced programming in widely used languages and frameworks. Students are also exposed to emerging technologies such as Artificial Intelligence, Data Mining, Cloud Computing, game engine programming, networking and cybersecurity. The programme culminates in a final year project focused on current research and industry-relevant innovations in software engineering.

Duration of study: 3 years
Campus: Sungai Long
Total Fees:
RM 53,400 (Local)
RM 75,500* (International)

Professional Recognition

Lembaga Teknologis Malaysia (Malaysia Board of Technologists)

Seoul Accord

Career Prospects: Analyst Programmer, Chief Technology Officer, IT Consultant, R&D Engineer, Software Architect/Engineer, Web/Mobile Applications Developer, Full Stack Developer

Bachelor of Science (Honours)

Actuarial Science

(R3/0542/6/0016)(11/30)(A6628)

Scan for Programme Details

Actuarial Science applies mathematics, statistics and financial theory to analyse and manage financial risks arising from uncertain future events, particularly in areas such as insurance, pensions and employee benefit programmes. This programme is designed to meet the evolving demands of the insurance and investment industries by aligning its curriculum with professional actuarial examination standards. Students develop strong foundations in probability, financial mathematics, risk modelling and statistical analysis, while gaining exposure to key topics required for professional actuarial examinations conducted by the Society of Actuaries and Casualty Actuarial Society. In addition, the programme offers subjects recognised for Validation by Educational Experience (VEE) credits and provides opportunities for exemptions from selected professional papers awarded by the Institute and Faculty of Actuaries upon achieving the required academic performance. Graduates are well-positioned to pursue professional actuarial qualifications and careers in insurance, finance and risk management.

Duration of study: 3 years
Campus: Sungai Long
Total Fees:
RM 54,000 (Local)
RM 76,150* (International)

Professional Recognition

Institute and Faculty of Actuaries

SOCIETY OF ACTUARIES

Career Prospects: Actuary Analyst, Pricing Analyst, Tax Analyst, Portfolio Manager, Business Development Manager

*Exclusive of 6% SST for the International Students

Bachelor of Science (Honours)

Applied Mathematics with Computing

(R3/0541/6/0002)(01/30)(A6034)

Scan for Programme Details

Duration of study: 3 years
Campus: Sungai Long
Total Fees:
RM 53,950 (Local)
RM 76,100* (International)

This programme prepares students to be versatile and analytical problem-solvers using mathematical modelling coupled with computing dexterity. By offering subjects such as partial differential equations, ordinary differential equations and statistics, the programme introduces students to the immense ability of mathematical models in analysing current events. Due to the large data set that an analyst has to deal with, this programme equips students with programming skills, simulation techniques and computational problem-solving techniques. Realising the importance of training graduates in an interdisciplinary environment, it also offers modules in professional writing and presentation skills to enhance student's communication of their ideas.

Career Prospects: Equity/Risk/System Analyst, Simulation Developer, Statistician, Inventory Strategist, Cryptologist, Quality Control Officer, Operations Research Analyst, Quantitative Analyst/Developer, Compliance Officer, Foreign Exchange Trader, Credit/Portfolio Analyst, Quality Assurance Officer, Market Researcher, Data Mining Engineer

Bachelor of Science (Honours)

Financial Mathematics

(R3/0541/6/0001)(01/30)(A10874)

Scan for Programme Details

Duration of study: 3 years
Campus: Sungai Long
Total Fees:
RM 54,000 (Local)
RM 76,100* (International)

Financial Mathematics focuses on applying mathematical and statistical techniques to analyse financial markets, evaluate financial instruments and manage investment risks. As global financial systems grow more complex, professionals with strong quantitative capabilities are increasingly in demand. This programme integrates knowledge from probability theory, scientific computing and computational finance to model relationships between key financial variables such as asset prices, market movements and interest rates. Students gain exposure to modern financial theories, including option pricing models developed by Myron Scholes, Fischer Black and Robert C. Merton. Students will also have opportunities to develop programming skills through applications such as automated trading systems. Graduates are well-equipped to contribute to financial risk management, derivatives markets, commodity trading and regulatory sectors within financial institutions and multinational corporations.

Career Prospects: Financial Analyst, Risk Manager, Commercial Bank Consultant, Investment Consultant

Premier Digital Tech Institution

UTAR is a Premier Digital Tech Institution

Premier Digital Tech Universities and Polytechnics, known as Premier Digital Tech Institutions (PDTIs), are Malaysia's leading digital tech-focused tertiary institutions. The PDTIs have a proven track record in producing high quality graduates for digital tech-based high value jobs, via cutting-edge research and education policies, strong industry linkages, and career development and placement services.

Scan here for more programme details!

For more information, please contact

Division of Programme Promotion

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QS World University Rankings

QS Rated Outstanding

TalentBank Employers' Choice 2026

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Putra Brand Awards The People's Choice Bronze 2025 Education & Learning

THE World University Rankings

Times Higher Education Impact Rankings

MQA Swakreditasi Self-Accreditation

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