

Medicine, Biological and Health Sciences

Undergraduate Studies

Kampar Campus

Agricultural Science
Biochemistry
Biotechnology
Chemistry
Food Science
Plantation Technology
(Management)
Biomedical Science
Occupational Safety
and Health with
Environmental Health
Dietetics

Sungai Long Campus

Nursing
Physiotherapy
Chinese Medicine
Medicine and Bachelor of Surgery



Bachelor of Science (Honours)

Agricultural Science

(R2/621/6/0001)(10/26)(MQA/FA0657)

The Bachelor of Science (Honours) Agricultural Science at Universiti Tunku Abdul Rahman (UTAR) provides interdisciplinary training in agronomy, aquaculture, animal science, agribusiness, land and water management, and digital agriculture to support sustainable food production. Students gain hands-on experience through fieldwork at UTAR Agriculture Park and industry visits to plantations, farms, hatcheries, and livestock operations. The curriculum emphasises agro-biodiversity, soil science, precision agriculture, and modern husbandry practices. International exposure opportunities are available through collaborations with National Pingtung University of Science and Technology and National Cheng Kung University. Selected students may also benefit from scholarships offered by leading agribusiness corporations, including Kuala Lumpur Kepong Berhad, United Malacca Plantation Berhad, IOI Group, and Kuok Foundation.

Career Prospects: Agronomist, Agricultural Consultant/Journalist/Technical Writer, Animal Nutritionist/Behaviourist/Pathologist, Aquaculturist, Biological Researcher, Botanist, Entomologist, Environmental Management Specialist, Horticulturist, Plant Pathologist, Soil Scientist, Zoologist

**Scan for
Programme Details****Duration of study:** 3 years**Campus:** Kampar**Total Fees:**

RM 57,900 (Local)

RM 80,800* (International)

Bachelor of Science (Honours)

Biochemistry

(R3/0512/6/0012)(03/30)(A6170)

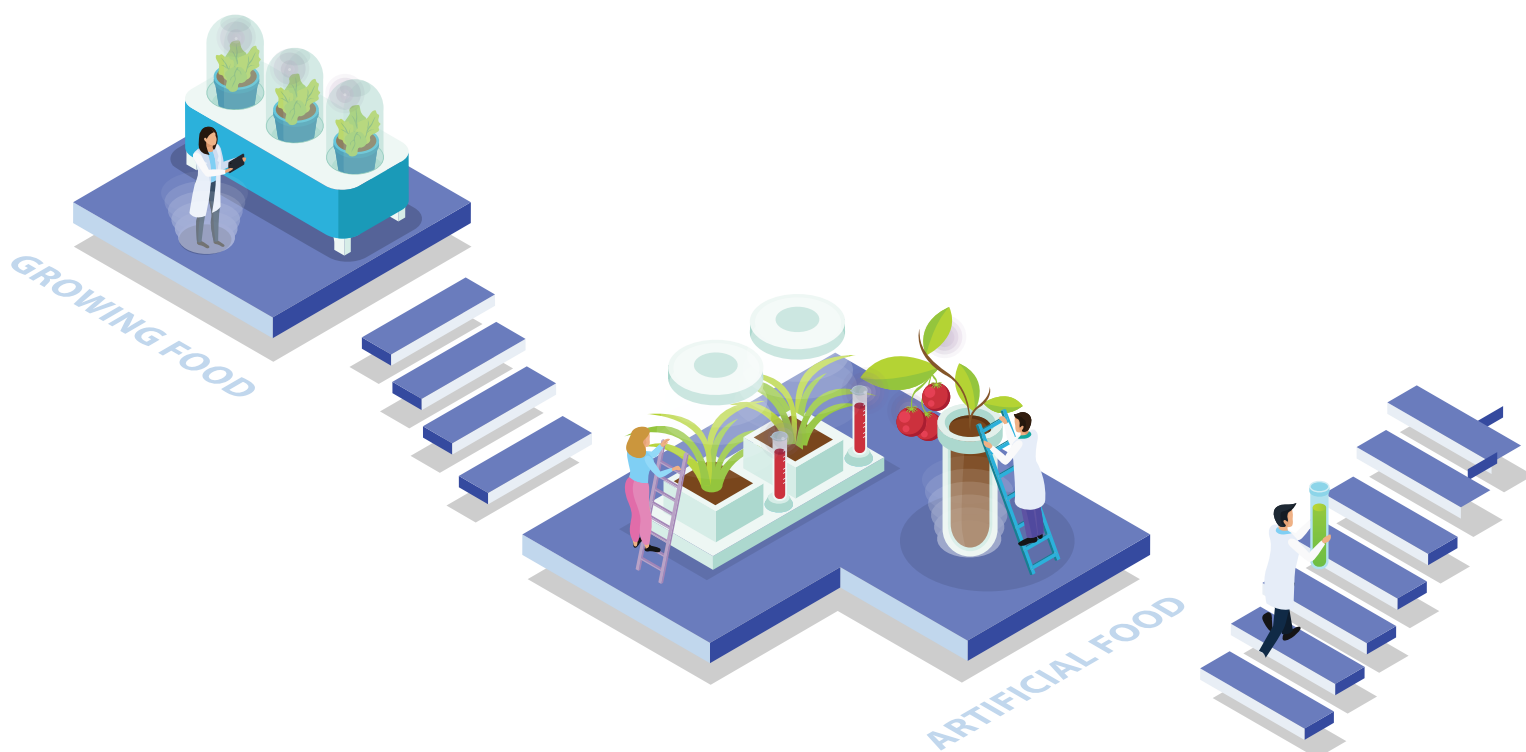
The Bachelor of Science (Honours) Biochemistry at Universiti Tunku Abdul Rahman (UTAR) addresses the growing demand for bioscience expertise across genetic engineering, molecular bioengineering, and medical sciences. The programme equips students to investigate biological systems at molecular and cellular levels across animals, plants, and micro-organisms. Theoretical foundations are reinforced through intensive laboratory work and research-based projects to strengthen practical competencies. With strong integration into molecular biology, biotechnology, genetic engineering, and bioinformatics, graduates are prepared to bridge biological sciences with technological innovation in research, healthcare, and biotechnology-driven industries.

Career Prospects: Biochemist, Food Chemist/Analyst, Laboratory Executive/Manager, Bioinformatics Software Developer, Chemist/Microbiologist in Testing and Certification Company, Cosmetic Research Chemist, Feed Industry Chemist

**Scan for
Programme Details****Duration of study:** 3 years**Campus:** Kampar**Total Fees:**

RM 57,900 (Local)

RM 80,800* (International)



Bachelor of Science (Honours)

Biotechnology

(R3/545/6/0082)(09/28)(A9423)

The Bachelor of Science (Honours) Biotechnology at Universiti Tunku Abdul Rahman (UTAR) focuses on the application of genetic and biological sciences to improve food production, healthcare, and industrial processes. Biotechnology innovations support the development of medicines such as synthetic insulin and growth hormones, as well as advanced bio-based products. The programme develops graduates with strong technical competencies aligned to industry and national needs. Through a research-driven final-year project, students gain specialised expertise in areas such as genomics, proteomics, enzyme and protein biotechnology, immunology, fermentation technology, plant biotechnology, biosensors, cell and tissue culture, and bioinformatics.

Career Prospects: Biotechnologist, Field Application Specialist, Laboratory Executive/Manager, Pharmaceutical Scientist, Technical Product Specialist



Scan for
Programme Details

Duration of study: 3 years

Campus: Kampar

Total Fees:

RM 57,900 (Local)

RM 80,800* (International)

Bachelor of Science (Honours)

Chemistry

(R3/0531/6/0004)(03/29)(A9661)

The Bachelor of Science (Honours) Chemistry at Universiti Tunku Abdul Rahman (UTAR) provides comprehensive training in the study of matter, its transformations, and associated energy changes. As a central science, chemistry underpins advancements in materials science, biotechnology, environmental sustainability, and renewable energy applications. The programme strengthens theoretical foundations alongside hands-on laboratory and instrumental skills. It covers core disciplines — organic, inorganic, physical, analytical, and biochemistry — as well as interdisciplinary areas such as environmental, green, food, polymer, and medicinal chemistry. The programme is accredited by the Royal Society of Chemistry (UK) and recognised by the Institut Kimia Malaysia (IKM), enabling graduates to pursue professional membership and career advancement in the chemical sciences.

Career Prospects: Chemist, Analytical Chemist, Petrochemist, Polymer Chemist, Physical Chemist, Process Engineer in Semiconductor/Electroplating Industries, Scientific Laboratory Officer, Product Specialist for Chemical/Instrument, Chemist in Waste Treatment Industry, Toxicologist, Research Scientist, QA/QC Chemist in various Industries (eg. Paint & Coating, Food, Textiles and Pharmaceutical), Application Engineer



Scan for
Programme Details

Duration of study: 3 years

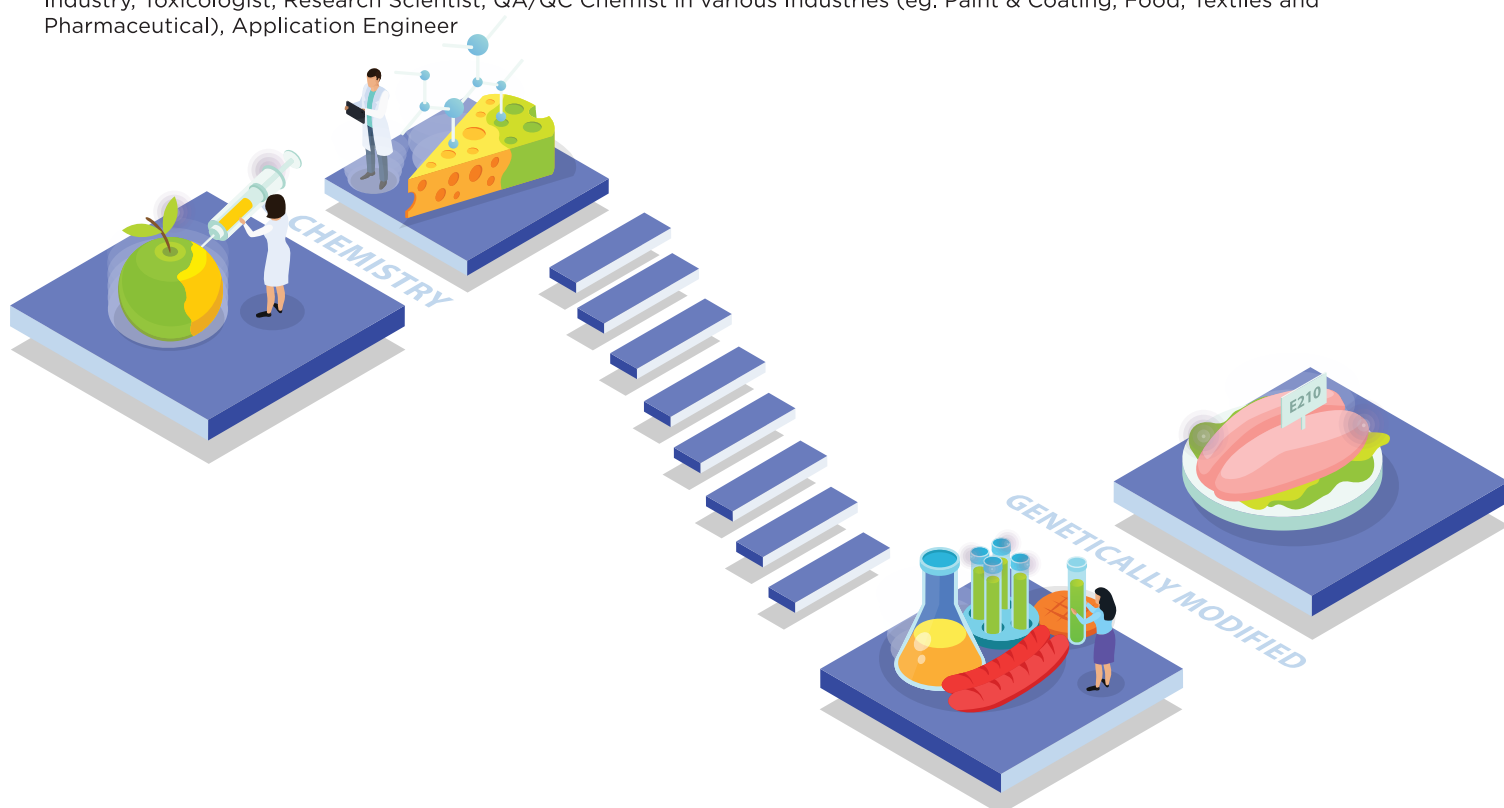
Campus: Kampar

Total Fees:

RM 57,750 (Local)

RM 80,650* (International)

Professional Recognition



Bachelor of Science (Honours)

Food Science

(R2/0721/6/0002)(02/31)(MQA/FA3601)

The Bachelor of Science (Honours) Food Science at Universiti Tunku Abdul Rahman (UTAR) integrates food chemistry, microbiology, safety, nutrition, post-harvest processing, functional foods, and nutraceuticals to develop comprehensive expertise in food systems. Students adopt a from farm to fork approach, gaining hands-on laboratory experience in food analysis, risk assessment, processing techniques, and quality evaluation. The programme equips graduates to optimise production yield, enhance shelf life, and ensure food safety to meet global demand. Through product development projects, sensory evaluation, and industry visits, students acquire practical exposure to real-world food manufacturing and innovation environments.

Career Prospects: Food Scientist/Technologist, Product/Process Development Scientist, Food Supplement Specialist, Food Labelling Advisor, Sensory Scientist, Quality Control Manager, Production Manager, Operations Improvement, Raw Materials Buyer



Scan for
Programme Details

Duration of study: 3 years

Campus: Kampar

Total Fees:

RM 57,900 (Local)

RM 80,800* (International)

Bachelor of Science (Honours)

Dietetics

(R/0915/6/0018)(08/32)(MQA/FA17390)

The Bachelor of Science (Honours) Dietetics at Universiti Tunku Abdul Rahman (UTAR) is a 4-year programme designed to prepare professionals in nutritional care and disease management through dietary therapy. The curriculum covers biochemistry, anatomy and physiology, human nutrition, food preparation, disease prevention, and medical nutrition therapy. Graduates work alongside healthcare teams in hospitals, clinics, and food service industries to promote health and manage disease. With growing demand locally and internationally, dietitians are essential to advancing public health and nutrition, making this profession a key contributor to a healthier society.

Career Prospects: Clinical Settings/Government and Private Hospitals, Community Settings Consultancy/Private Practice Dietitians, Food Industries, Food Service Institutions, Management, Marketing and Sales, Military and Security Services, Public Health Agencies, Public Relations at Sports and Fitness Centres, Teaching/Research



Scan for
Programme Details

Duration of study: 4 years

Campus: Kampar

Total Fees:

RM 68,200 (Local)

RM 93,550* (International)

Professional Recognition



Malaysia Dietitians'
Association

Bachelor of

Plantation Technology (Management)

with Honours (N/0811/6/0004)(05/29)(MQA/PA 17019)

The Bachelor of Plantation Technology (Management) with Honours at Universiti Tunku Abdul Rahman (UTAR) focuses on the scientific and managerial aspects of large-scale plantation operations, including oil palm, rubber, tea, coffee, and cocoa. The programme integrates crop production, pest and disease management, soil fertility, and modern plantation technologies with business management, economics, and environmental sustainability. Emphasis is placed on optimising yield, quality, and resource efficiency. Through structured practical training and fieldwork, graduates are prepared to assume leadership and management roles within the plantation and agribusiness sectors.

Career Prospects: Plantation Manager, Agribusiness Consultant, Research Scientist, Sustainable Agriculture Specialist, Supply Chain Manager, Government and Regulatory Roles, Entrepreneur



Scan for
Programme Details

Duration of study: 3 years

Campus: Kampar

Total Fees:

RM 57,350 (Local)

RM 80,150* (International)

Professional Recognition



Lembaga Teknologis Malaysia
(Malaysia Board of Technologists)

Bachelor of Science (Honours)

Biomedical Science

(R2/421/6/0022)(03/27)(MQA/FA17389)

The Bachelor of Science (Honours) Biomedical Science at Universiti Tunku Abdul Rahman (UTAR) integrates biology and pre-clinical sciences to understand human health and disease at molecular, tissue, and organ levels. The programme equips students with strong foundational knowledge in health sciences, professionalism, and practical skills to translate theory into healthcare solutions. Graduates are prepared for careers in medicine, research, education, forensics, pharmaceuticals, and health-related industries, supporting Malaysia's growing biomedical and healthcare sector.

Career Prospects: Biomedical Research, Forensic Science, Food and Healthcare, Hospital Laboratories, Pathology, Pharmaceutical Industries, Veterinary Science, Other Relevant Industrial Laboratories



Scan for
Programme Details

Duration of study: 3.5 years

Campus: Kampar

Total Fees:

RM 59,900 (Local)

RM 82,650* (International)

Professional Recognition



Malaysian Allied Health
Profession Council

Bachelor of Science (Honours)

Occupational Safety and Health with Environmental Health

(R/1022/6/0013)(01/32)(MQA/SWA 8677)

The Bachelor of Science (Honours) Occupational Safety and Health with Environmental Health at Universiti Tunku Abdul Rahman (UTAR) is a multidisciplinary programme addressing workplace safety, occupational health, and environmental protection. Students gain professional knowledge, technical expertise, and soft skills to manage hazards, enforce safety regulations, and implement green technologies. Graduates are prepared to adapt to diverse roles in dynamic industrial and environmental health settings, promoting safe and sustainable work and living environments.

Career Prospects: Occupational Safety and Health Officer (SHO), Environmental, Safety & Health (ESH) Executive/Engineer/Practitioner, ESH Internal Auditor, Ergonomist, Fire Protection and Suppression System Engineer, Industrial Hygienist, Process Safety Engineer, Risk Assessor, Environmental Health Officer, ESH Legal Compliance Advisor, Emergency Response Commander, Scheduled Wastes Manager, Facilities Engineer, Wastewater Treatment Engineer, Air Pollution Control Systems Engineer



Scan for
Programme Details

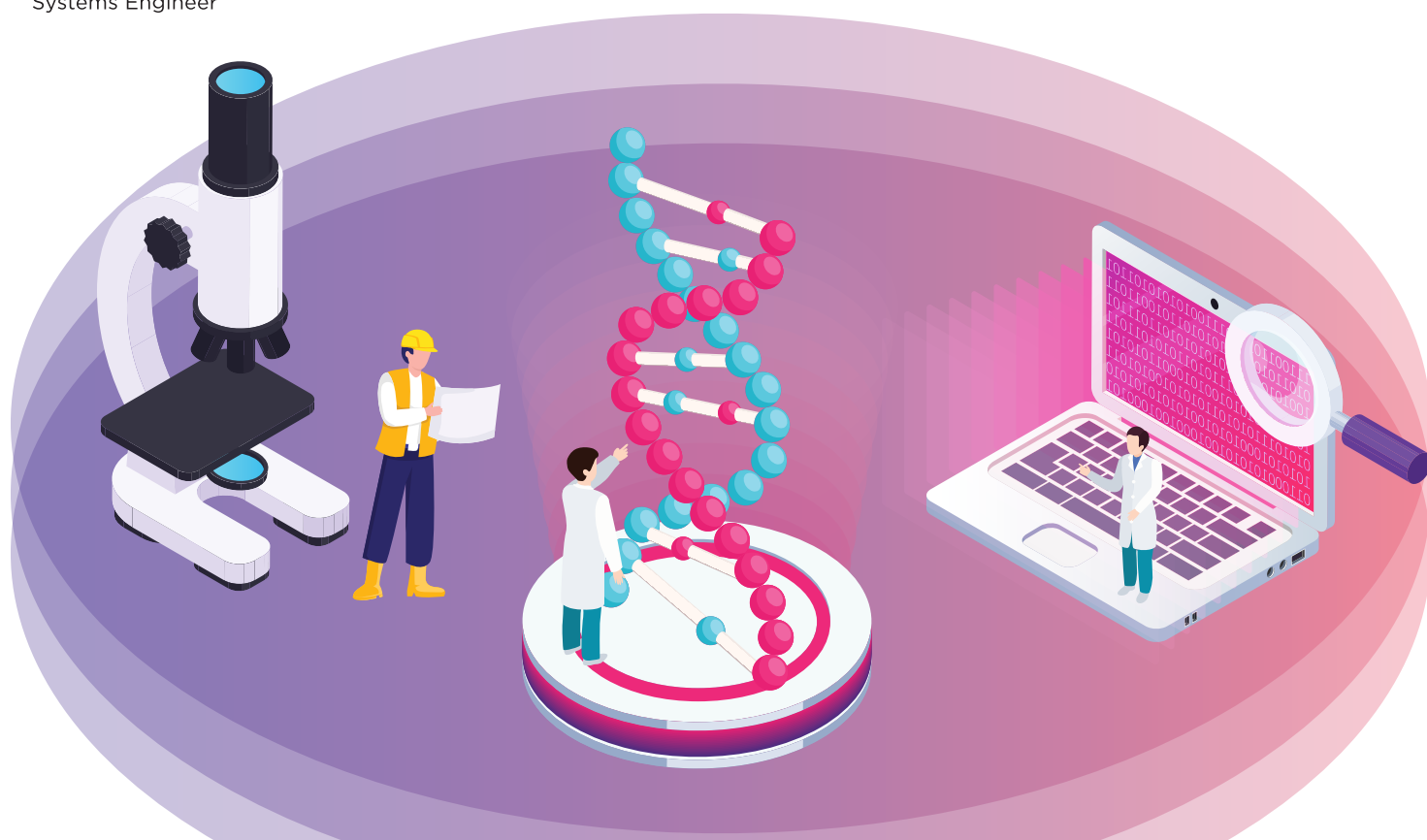
Duration of study: 3.5 years

Campus: Kampar

Total Fees:

RM 58,900 (Local)

RM 81,550* (International)



Bachelor of

Nursing (Honours)

(R2/723/6/0155)(10/27)(MQA/FA9369)

The Bachelor of Nursing (Honours) at Universiti Tunku Abdul Rahman (UTAR) prepares students for a rewarding career in nursing, integrating both the art and science of patient care. The programme, approved by the Malaysian Nursing Board and accredited by the Malaysian Qualifications Agency, combines core sciences, humanities, and extensive evidence-based practice. Graduates develop a holistic approach to patient care, ethical decision-making and critical thinking. They are also eligible to sit for the Malaysian Nursing Board Examination to become licensed Registered Nurses.

Career Prospects: Registered Nurse (RN), Administrator, Industrial Nurse, Product Specialist, NGO Charity Organisation, Advanced Practice Nurse, Clinical Instructor, Entrepreneur, Educator, Manager, Quality Assurance Officer, Researcher



Scan for
Programme Details

Duration of study: 4 years

Campus: Sungai Long

Total Fees:

RM 72,100 (Local)

RM 97,550* (International)

Professional Recognition



Malaysian Nursing Board

Bachelor of

Physiotherapy (Honours)

(R2/726/6/0061)(10/27)(MQA/FA17391)

Physiotherapists provide services to people and populations to develop, maintain and restore maximum movement and functional ability throughout the lifespan. Physiotherapist practice includes the provision of services in circumstances where movement and function are threatened by the process of aging or that of injury, disorders, or diseases. Physiotherapist practice is concerned with identifying and maximising quality of life and functional movement potential, within the spheres of promotion, prevention, maintenance, intervention/treatment, habilitation and rehabilitation. This encompasses physical, psychological, emotional and social well-being.

Career Prospects:

UTAR graduates will help alleviate the current national shortage of qualified graduate physiotherapists, and be the trainers for future generations of physiotherapists. Graduates are eligible for registration with the Malaysian Physiotherapy Association (MPA).

Graduates may also apply for postgraduate education locally or internationally at institutes of higher education. Graduates can expect to find employment in various health sectors, both public and private:

- Hospitals
- Geriatric care centres
- Health/fitness/sports clubs
- Hospices
- Physiotherapy clinic
- Education and research institutions
- Nursing homes
- Community settings



Scan for
Programme Details

Duration of study: 4 years

Campus: Sungai Long

Total Fees:

RM 80,600 (Local)

RM 108,400* (International)

Professional Recognition



Malaysian Allied Health
Profession Council



Bachelor of

Chinese Medicine (Honours)

(R2/0912/6/0005)(07/27)(A11119)

The Bachelor of Chinese Medicine (Honours) at Universiti Tunku Abdul Rahman (UTAR) prepares students to become skilled practitioners in Chinese Medicine, integrating traditional therapies with Western medical knowledge. The programme covers acupuncture, Chinese herbal medicine, Tui-Na (massage), and other therapeutic approaches, with a curriculum comprising approximately 60% Chinese Medicine and 30% Western Medicine. Students gain practical experience through clinical training in local hospitals, hospitals in China, or at the TCM wing of the UTAR Hospital in Kampar.

Career Prospects: Chinese Herbalist, Chinese Medicine Managing Staff, Consultant in Healthcare and Chinese Medicine Sales/Marketing, Chinese Healthcare Products Development or Marketing Staff, Chinese Medicine Educator, Researcher in Academic Institutions or Herbal/Pharmaceutical Manufacturing Companies

Scan for
Programme Details**Duration of study:** 5 years**Campus:** Sungai Long**Total Fees:**

RM 108,300 (Local)

RM 140,550* (International)

Professional Recognition:Majlis Perubatan Tradisional
dan Komplementari

Bachelor of

Medicine and Bachelor of Surgery (M.B.B.S.)

(R2/721/6/0053)(01/27)(MQA/FA5540)

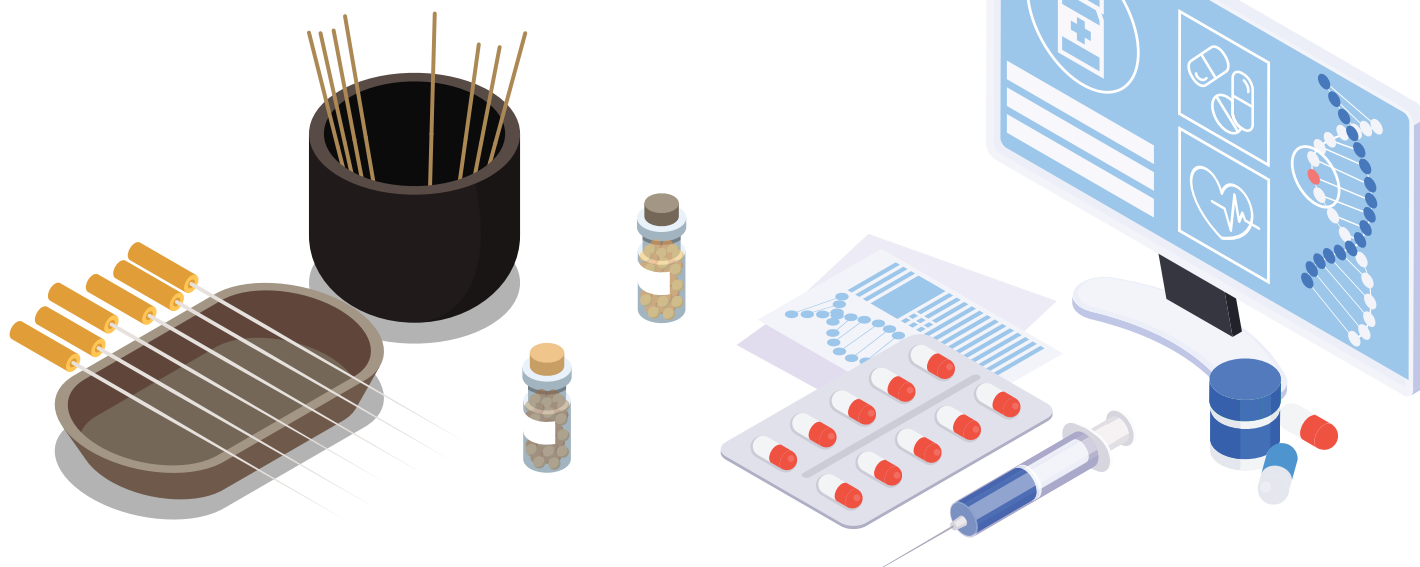
The MBBS programme at Universiti Tunku Abdul Rahman (UTAR) prepares students for a lifelong career in medical practice, aiming to promote physical and mental health through prevention, treatment, and curative care. The curriculum follows an integrated, systemic approach, equipping graduates with clinical expertise, effective communication skills, and analytical thinking. Emphasis is placed on lifelong learning, research, professionalism, ethics, and moral responsibility to patients and the wider community, producing competent and compassionate doctors.

Career Prospects:

- Anaesthesiology
- Emergency Medicine
- Family Medicine
- Obstetrics and Gynaecology
- Ophthalmology
- Orthopaedics
- Otorhinolaryngology (ENT)
- Paediatrics
- Public Health
- Psychiatry
- Radiology
- Internal Medicine with subspecialty in:
 - Cardiology
 - Dermatology
 - Gastroenterology
 - Geriatric Medicine
 - Infectious Diseases
 - Respiratory Medicine
 - Rehabilitative Medicine
 - Rheumatology
 - Metabolic and Endocrine Medicine
- General Surgery with subspecialty in:
 - Breast and Endocrine Surgery
 - Cardiothoracic Surgery
 - Colorectal Surgery
 - Hepatobiliary Surgery
 - Neurosurgery
 - Plastic Surgery
- Pathology with subspecialty in:
 - Chemical Pathology
 - Forensic Pathology
 - Haematology
 - Histopathology
 - Medical Microbiology

Scan for
Programme Details**Duration of study:** 5 years**Campus:** Sungai Long**Total Fees:**

RM 312,900 (Local)

Professional RecognitionMalaysian Medical Council
(MMC)



Scan here for more programme details!

For more information, please contact

Division of Programme Promotion
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All information is correct at the time of printing and is subject to change without prior notice. June 2026.

