Taylor’s University

Since its inception, Taylor’s has continuously provided excellent services for its students in terms of diverse study options, relevant curriculum and teaching methods, ongoing partnerships with leading universities worldwide, strong industry linkages, up-to-date facilities and well-equipped campuses. Taylor’s University offers a myriad of courses in tertiary education, from diploma, to degree, post-graduate and professional programmes. Students can choose to enroll in courses encompassing fields such as Medicine, Pharmacy, Biosciences, Architecture, Computer Science, Engineering, Quantity Surveying, Law, Business, Communications, Design, Psychology, Hospitality, Tourism and Culinary Arts.

The quality of the undergraduate teaching and learning at Taylor’s was acknowledged when it garnered a ‘Tier 5: Excellent’ rating in the Rating System for Malaysian Higher Education (SETARA) by the Ministry of Higher Education Malaysia in all four audit exercises. Taylor’s University is ranked at no. 4 in the World in the graduate employment rate indicator under the QS Graduate Employability Rankings 2019; ranked at no. 135 in Asia in the QS Asia University Rankings 2019, and listed in the top 1 percent of universities in Asia. Taylor’s University was also awarded 5-Star rating in five (5) categories of the QS Stars Rating. Taylor’s University was also recognised as the number 21 university in the world for Hospitality & Leisure Management by QS World University Rankings by Subject 2018. Taylor’s was listed in the top 2% universities in the world by QS World University Rankings. These achievements are important milestones for Taylor’s, in line with its aim of becoming one of Asia’s leading universities.

Taylor’s has received numerous recognitions locally and internationally from professional bodies such as the CDIO Initiative (Conceiving, Designing, Implementing, Operating), National Academy of Engineering in the USA and the Royal Institution of Chartered Surveyors (RICS) to name a few.

Taylor’s continues to play a strong role in developing Malaysia’s human resource capital, and boasts a 100,000-strong alumnus, many of whom have become leaders in their respective fields.
## Awards

### 2018

- 135th university in Asia in the **2019 QS Asia University ranking**
- 4th best university and Asia’s best for the graduate employment rate indicator in the **2019 QS Graduate Employability Rankings**
- Placed in the 216th rank for employer reputation indicator in the **2019 QS World University Rankings** results
- Top 21 ranking in the **QS World Subject Rankings** for Hospitality & Leisure
- Awarded **5-Star** in five (5) categories of the **QS Stars Rating**
- Gold Award in the ‘Education & Learning’ category for the 9th consecutive year in **Putra Brand Awards**
- Gold Award in the ‘Private University/College’ category for the 8th consecutive year in the annual **Reader’s Digest Trusted Brand Awards**

### 2017

- Top 150 universities in Asia in the **QS Asia Ranking**
- Awarded **5-Star rating** in five (5) categories of the **QS Stars Rating**
- Gold Award in the ‘Education & Learning’ category for the 8th consecutive year in **Putra Brand Awards**
- Gold Award in the ‘Private University/College’ category for the 7th consecutive year in the annual **Reader’s Digest Trusted Brands Award**

### 2016

- Top 200 universities in Asia in the **QS Asia Ranking**
- Awarded **5-Star rating** in five (5) categories of the **QS Stars Rating**
- Gold Award in the ‘Education & Learning’ category for the 7th consecutive year in **Putra Brand Awards**
- Gold Award in the ‘Private University/College’ category for the 6th consecutive year in the annual **Reader’s Digest Trusted Brands Award**
Taylor’s University is a world-class international university which aims to provide its students with outstanding teaching and cutting edge learning facilities.

Our objective is to produce successful graduates who are first choice for leading employers. We also help our students to graduate with the ambition and entrepreneurial skills to establish their own successful businesses. Work experience gained through internship is an integral part of many of our programmes.

Taylor’s University has a strong international outlook based on its international faculty and students which come from all parts of the world. The international community at Taylor’s is something the University is proud of and intends to continue to develop in order to ensure that our graduates are prepared for the modern international workplace.

Research and enterprise are rising ever higher on the Taylor’s University agenda. Developing international-class research and expertise will further raise the reputation and standing of the University and the value of the degrees held by new graduates and alumni.

If you are thinking of becoming a student at Taylor’s University, my colleagues look forward to answering any question you may have and we look forward to your visit to our Lakeside Campus in Subang Jaya.

Sincerely,
Professor Michael Driscoll
Vice Chancellor and President of Taylor’s University
Taylor’s University has a firm footing in research and innovation as we believe these efforts can contribute towards knowledge building as well as assist in the development of the industry and society at large. As a University centred on research and innovation initiatives, we adopt a progressive outlook, embedding research components throughout our programmes and encouraging them at various levels in each faculty. Our students and faculty members engage extensively in “applied research”, which enhances the body of knowledge and creates a direct impact on real world applications. All academic staff appointed at the degree level actively undertake research within the institution or in collaboration with industries or universities, either foreign or local. This research work shapes the creation and dissemination of new knowledge, feeding into the practical application of that knowledge, and ultimately informs and enhances teaching at Taylor’s.
Teaching and Learning Support

TED complements the work of academic staff to create excellence in teaching through practice, development, and innovation. We offer workshops and seminars that address a range of timely topics associated with teaching, learning and technology in higher education to enhance teaching capability and learning engagement.

The Student Success Centre (SSC) assists students as they adjust to university studies. SSC offers intervention for students via a blend of workshops, personalised 1-2-1 consultations and peer support services to provide learning opportunities throughout the students’ journey towards academic success.

The name ‘academy’ reflects our core purpose as a unit which primarily promotes ‘learning how to teach with technology’. Hence, eLA’s task is to help our academic staff effectively and meaningfully implement the use of technology in transforming the learning journey of the students, and hence enable them to learn in a collaborative, self-directed and personalised manner, anytime and anywhere.

SAC spearheads Taylor’s University’s commitment to holistic education by providing a platform for students to obtain formal recognition for their extracurricular involvement through the 2nd Transcript and the SHINE Award. Besides running workshops to equip students with soft skills that will prepare them for the workplace, SAC also creates opportunities for students to engage in experiential activities outside of the classroom.
Re-Imagine Tomorrow with Biosciences

Biosciences is the science of life itself, covering microbes, plants, animals and humans. Bioscience research paves the way to developing new medicines, diagnostic tools, food safety and alternative energy, among other things. With an eye for creating sustainable solutions, Taylor’s School of Biosciences will help you on your way to enhancing the quality of life for all.
Why Biosciences at Taylor’s?

<table>
<thead>
<tr>
<th>A FOUNDATION RECOGNISED BY MANY</th>
<th>GET LEARNING EXPERIENCES LOCALLY &amp; ABROAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Our Foundation in Science programme is internationally recognised by leading universities in Australia and the UK.</td>
<td>For a well-rounded education, you will be immersed in experiential learning and community service activities. Learn more about the environment on interesting field trips, from nature parks to refugee centres to manufacturing laboratories.</td>
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<tr>
<th>RESEARCH-FOCUSED CURRICULUM</th>
<th>OVERSEAS TRANSFER OPTIONS</th>
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<tr>
<td>Our curriculum is continuously updated with discoveries that reflect the most current research initiatives. In tandem, our academic faculty continues to regularly and actively engage in presenting their research findings via local and international platforms. This directly informs the teaching and learning at the School, and contributes towards enhancing the body of knowledge.</td>
<td>Our programmes are internationally recognised by leading universities in Australia, New Zealand and the UK.</td>
</tr>
</tbody>
</table>

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<tr>
<th>WIDE RANGE OF MODERN FACILITIES</th>
<th>FULL ACCREDITATION</th>
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<tbody>
<tr>
<td>Equipped with top notch teaching and research facilities, we ensure our students and faculty members have access to the latest equipment, inspiring them to learn, teach and conduct groundbreaking research in biosciences.</td>
<td>All programmes offered by Taylor’s School of Biosciences are fully accredited by the Malaysian Qualifications Agency (MQA).</td>
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<tr>
<th>HIGHLY QUALIFIED LECTURERS</th>
<th>INDUSTRY PARTNERSHIPS</th>
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<tr>
<td>Over 85% of our faculty members are PhD holders, with a wide range of research focus in the field of science.</td>
<td>Strategic links with industry members and professional bodies foster strong platforms for research commercialisation, industrial attachment opportunities as well as sharing of best practices, ensuring that our programmes remain up-to-date and relevant to the latest needs of the industry.</td>
</tr>
</tbody>
</table>
Start with a foundation recognised by many

Our Foundation in Science (FIS) equips you with knowledge and skills necessary to pursue science through projects, student-led discussions, community service trips, networking with researchers, and competitions.

FIS students will have first priority in progressing to degrees in Taylor’s University. Furthermore, our FIS programme is internationally recognised in Australia and the UK.

*Admission is subject to the entry requirements established by the respective universities.

AUSTRALIA
- The University of Melbourne
- The University of South Australia

UK
- University of Birmingham
- University of the West of England

Find the full list of universities at university.taylors.edu.my/biosciences/overseas-transfer-options
Take on science projects of your own

Providing a holistic approach to science, the Integrated Science Project (ISP) emphasises hands-on learning experiences, enabling you to apply your knowledge effectively. You’ll be taught via individual experiments and projects such as:

- Biodegradable plastics
- Filtering water with fruit peels
- Developing an eco-friendly way to dissolve Styrofoam
- Inventing eco-friendly pens with soy

This experience brings out the inner scientist in you to pursue a future in the dynamic field of science.
Research-Focused Curriculum

Our programme modules are built to complement one another, allowing students to appreciate a wider context of bioscience, technology, resources and issues faced by the industry and the environment.
The areas of research covers three broad themes:

**Health Sciences**

This cluster researches infectious diseases and non-communicable diseases to address the growing health problems in society, especially molecular mechanism in the progression and treatment of infectious diseases, diabetes and cancer.

**Food Science & Nutrition**

Seeking new insights into probiotics, live "friendly" microbes that protect and prevent against disease, food supplements, nutraceuticals, encapsulation controlled release of food bioactive components and advanced processing technologies.

**Applied Biodiversity**

Investigating the use and conservation of biological resources by applying this knowledge in a more sustainable utilisation and protection of biological resources in environmental management, bioremediation, aquatic and plant biotechnology and industrial chemistry.

Research nurtures the passion for discovery. We have received various research grants for groundbreaking studies in areas such as infectious diseases, non-communicable diseases, environmental research, food science and nutrition.

**Groundbreaking areas of research includes:**

- Elucidating the mechanism of action of bioactive compounds
- Novel formulations in wound healing
- Characterisation of metabolic markers for fungal infection
- Development of chemical analogues to combat metabolic disorders
- Microencapsulation technology for probiotic bacteria
- Probiotics in health
- Comparative analysis and identification of genes and networks in model crops
- Nutrigenomics in chronic disease
- Nano delivery models in drug delivery
- Sensory science and consumer behaviour
- Recombinant cells as chemical factories
- Novel functional food products
Wide Range of Modern Facilities

From modern lecture theatres to computer laboratories with the latest hardware, software and specialised high-tech equipment, the School of Biosciences is equipped with top-tier teaching and research facilities. Our students and faculty members have access to up-to-date equipment that inspires them to learn, teach and conduct groundbreaking research in biosciences.

Highly Qualified Lecturers

The School is equipped to support your journey and development in research with over 85% of our lecturers being PhD holders to guide you throughout your studies.
Wide Range of Modern Facilities

From modern lecture theatres to computer laboratories with the latest hardware, software, and specialised high-tech equipment, the School of Biosciences is equipped with top-tier teaching and research facilities. Our students and faculty members have access to up-to-date equipment that inspires them to learn, teach, and conduct groundbreaking research in biosciences.

Highly Qualified Lecturers

The School is equipped to support your journey and development in research with over 85% of our lecturers being PhD holders to guide you throughout your studies.
Get Learning Experiences Locally and Abroad

Learning experiences at the School of Biosciences extends beyond the classroom. Frequent field visits to study-related sites and companies, outreach and community service, participation in conferences and other activities outside the classroom expands the knowledge of students on a practical level.

Students in the Community

Students are encouraged to contribute towards the community, improving the standards of living of those around them.

Zoo Outing with Orphans
A zoo trip that brought an eye opening experience to children from Rumah Kids, Klang. Children observed animals up close and learned about their physical characteristics.

Joint Outreach Programme
Students from School of Biosciences, Medicine and Pharmacy joined the Persatuan Kebajikan Generasi Gemilang to provide basic health check to the urban poor community at Taman Putra Damai, Petaling Jaya.

Cancer Awareness Campaign
Students participated in a joint cancer awareness advocacy programme, organised by Cancer Research Initiatives Foundation (Carif). The campaign advocated the importance of early detection and treatment of cancer.

Broga - Hike for Fitness Campaign
Students organised hiking trip to promote the importance of physical fitness towards shaping a healthy student life style.

The Bioscience Club is formed by the students of the School of Biosciences, with the objective of bringing together students who share a common interest in the bioscience, and to promote an appreciation for the field. The Club’s activities include:

- Community service activities
- Educational field trips and campaigns
- Participation in national and international events, e.g. National Biomedical Science Students Symposium, Intervarsity Biodiversity Seminar, Malaysian International of Food Technology Seminar
Industry and Field Visits

Students gained industry insights through visits to manufacturing facilities, laboratories and research institutions.

<table>
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<tr>
<th>Field Trip to Auric Pacific Food Processing</th>
<th>Yakult Malaysia</th>
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<tbody>
<tr>
<td>Forest Research Institute Malaysia (FRIM)</td>
<td>Queensland University of Technology Exchange Students</td>
</tr>
<tr>
<td>Local Organic Farm</td>
<td>Industry Visit to Mead Johnson</td>
</tr>
</tbody>
</table>

Lecture Series

Visiting experts from partner universities and bioscience organisations share their knowledge of the latest developments in the field through lectures.

- **Environmental Biotechnology - A Clean Technology for the 21st Century**
  Professor Andy Ball,
  Flinders University, Australia

- **Antibodies and the Cells That Make Them**
  Professor William Cushley,
  University of Glasgow, Scotland

- **Making Sense of Research**
  Professor Andrew Smith,
  School of Applied Sciences, RMIT Australia

- **The Viable but Non-Culturable State of the Marine Pathogen 'Vibrio Parahaemolyticus'**
  Dr. Connot Thomas,
  University of Adelaide, Australia

- **Receptor Mimics as Therapeutic Agents**
  Dr. Antonio Focareta,
  University of Adelaide, Australia

- **Therapeutic Drug-Induced Nausea and Vomiting**
  Professor Paul Andrews,
  St George University of London, United Kingdom
Industry Partnerships

The school establishes synergistic alliances with experts from the field who are able to impart and share knowledge that is current, and play a role in shaping the thought process of our students. These collaborations with industry mentors and leaders are key in ensuring that our programmes remain relevant and our students graduate with knowledge and capabilities that are expected of them to excel in their chosen paths.

Internship

Our strategic industry linkage ensures that our students are given the opportunity to enhance their skills during their internship, giving them an advantage when they progress to the workforce.

Industry Advisory Panel (IAP)

Members of our IAP include reputable industry experts who advise the School on curriculum, research and internship management including diverse areas of specialisations that covers pharmaceutical, governmental and regulatory bodies, food industry, agriculture, health supplements and many more.

KUALA LUMPUR SPORTS MEDICINE CENTRE (KLSMC)

KLSMC now offers students internship opportunity in research and development. The inclusion of KLSMC sets another milestone for Taylor’s - first Asian region private university in partnership with KLSMC.
The school establishes synergistic alliances with experts from the field who are able to impart and share knowledge that is current, and play a role in shaping the thought process of our students. These collaborations with industry mentors and leaders are key in ensuring that our programmes remain relevant and our students graduate with knowledge and capabilities that are expected of them to excel in their chosen paths.

**Industry Partnerships**

**Industry Advisory Panel (IAP)**

Our strategic industry linkage ensures that our students are given the opportunity to enhance their skills during their internship, giving them an advantage when they progress to the workforce. Members of our IAP include reputable industry experts who advise the School on curriculum, research and internship management including diverse areas of specialisations that covers pharmaceutical, governmental and regulatory bodies, food industry, agriculture, health supplements and many more.

**Memorandum of Agreement (MOA) signing ceremony between Taylor’s University & Focus Biotech Sdn. Bhd.**

KLSMC now offers students internship opportunity in research and development. The inclusion of KLSMC sets another milestone for Taylor’s - first Asian region private university in partnership with KLSMC.

**BIOMEDICAL SCIENCE**

- AGIH Laboratories Medical Sdn Bhd
- Agrinos Sdn Bhd
- Apollo Bramwell Hospital Mauritius
- Biotropic Malaysia Berhad
- Cancer Research Initiative Foundation
- CCM Berhad
- Cerca Insights Sdn Bhd
- EP Plus Group Sdn Bhd
- GlaxoSmithKline
- Glengeagles Penang
- Kinetics Sdn Bhd
- InfoMed (M) Sdn Bhd
- Innovax (CCM Berhad)

**BIOTECHNOLOGY**

- ACGT Laboratories (Genting Group Berhad)
- Agro-Biotechnology Institute Malaysia
- Algaetech Sdn Bhd
- All Cosmos Industries Sdn Bhd
- Aquagrow Culture Sdn Bhd
- Ar-Raudhah Bio-Tech Farm

**FOOD SCIENCE WITH NUTRITION**

- Auric Pacific Food Processing Sdn Bhd
- Campbell’s Soup South East Asia
- Cerebros (M) Sdn Bhd
- Dutch Lady (M) Sdn. Bhd.
- Ecolex (M) Sdn Bhd

We’ve also had some industry funded projects and awards with companies such as:

- Agro-Biotechnology Institute Malaysia
- DNA Laboratories Sdn Bhd
- Furley Bioextracts
- Gribbles Pathology
- Kalsec
- Next Gene Scientific Sdn Bhd
- Promac
- ThermoFisher Scientific
- WIPRO UNZA Sdn Bhd

For full listing, please visit: university.taylors.edu.my/biosciences/why-biosciences-taylors/industrial-partnerships
Testimonials

Joey Yip Hong Yung
Bachelor of Biomedical Science (Hons)

As the President of the Biosciences Club, I gained first-hand experience through research activities and projects. I also gained invaluable knowledge from working with lecturers who shared their experience generously with us. Ultimately, being in the club provided me with so much more exposure than I could have gained from the classroom.

Karina Wuan Wai Chui
Bachelor of Science (Hons) (Food Science with Nutrition)

The subjects offered in the programme truly changed my perspective of foods, from production to nutritional impact, giving me the impetus to chart my future in this industry. In addition, I was able to harness my love for writing as the Editor of the Biosciences Club, which has shaped me into a better communicator and hopefully, a highly employable graduate.

Ow Ji Tsong
Bachelor of Science (Hons) (Food Science with Nutrition)

As a committee member of the Biosciences Club, I was involved in organising various campus events. This provided me with hands-on experience where I had to deal with challenges and obstacles that I imagine will be present in the working world as well. As a club member, I also had the opportunity to mingle with students from different intakes and personalities, equipping me with the skills to network and communicate effectively.

Tengku Syahirah Binti Tengku Sulaiman
Bachelor of Biotechnology (Hons)

The diversity of the teaching methods employed by lecturers such as quizzes, tutorials and video assignments, made the programme extremely exciting. This, coupled with the mentor-mentee initiative and seminars by academicians, created a platform where we could engage with our lecturers to discuss our future.
BIOSCIENCES

Bachelor of Biomedical Science (Hons)
Bachelor of Biotechnology (Hons)
Bachelor of Science (Hons) (Food Science)
# EDUCATION PATHWAY

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<thead>
<tr>
<th>SPM / O Level / Equivalent</th>
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<tr>
<td>Foundation in Science</td>
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<td>1 Year</td>
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<tr>
<td>Bachelor of Science (Hons)</td>
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<tr>
<td>(Food Science)</td>
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<tr>
<td>or</td>
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<tr>
<td>Bachelor of Biotechnology (Hons)</td>
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<tr>
<td>1-2 Years</td>
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<td>STPM / UEC / A Levels /</td>
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<tr>
<td>Bachelor of Biomedical Science (Hons)</td>
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<tr>
<td>3.5 Years with Industrial Attachment</td>
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<tr>
<td>Master of Science</td>
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<tr>
<td>Doctor of Philosophy (Science)</td>
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</table>

*STPM / UEC / A Levels / SAM / SACEi / CPU / IB / Equivalent*
OVERSEAS TRANSFER OPTIONS*

UNIVERSITY OF TECHNOLOGY SYDNEY
- Bachelor Biomedical Science
- Bachelor Biotechnology
- Bachelor Forensic Science (Forensic Biology)
- Bachelor Forensic Science (Forensic Science)
- Bachelor Advanced Science (Infection &Immunity)
- Bachelor Medical Science
- Bachelor Advanced Science (Pharmaceutical Science)
- Bachelor Advanced Science (Pre-medicine)

UNIVERSITY OF SHEFFIELD
- BSc Biomedical Science

DUNDEE UNIVERSITY
- BSc Biomedical Science

UNIVERSITY OF EAST ANGLIA
- BSc Biological Science

THE UNIVERSITY OF BIRMINGHAM
- BSc Biochemistry
- BSc Biological Sciences
- BSc Human Biology

UNIVERSITY OF WEST OF ENGLAND, BRISTOL
- BSc (Hons) Biological Sciences
- BSc (Hons) Biomedical Science

DUNDEE UNIVERSITY
- BSc Biomedical Science

GRIFFITH UNIVERSITY
- Master of Pharmacy

*Note: The programme is accredited by the Australian Pharmacy Council. Countries where Griffith University’s M.Pharm is recognised: Singapore, Australia, NZ, Canada, USA, HK, S.Korea, except Malaysia.

* Admission is subject to the transfer requirements established by the respective universities.
**BACHELOR OF BIOMEDICAL SCIENCE (HONS)**

KPT/JPS (R/720/6/0089) (MQA/FA0484) 05/21

**INTAKE: MARCH & AUGUST**

The programme exposes students to the latest developments in the field of medicine, health sciences and biomedical science research. Students will explore a number of essential topics including anatomy, biochemistry, clinical chemistry, genetics, immunology, microbiology, pathology, pharmacology, physiology and legal, social and ethical issues. They will also be equipped with skills in research methodology and laboratory management.

<table>
<thead>
<tr>
<th>Primary Core</th>
<th>University Core</th>
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<tbody>
<tr>
<td>• Principles of Biochemistry</td>
<td>• Community Service Initiative</td>
</tr>
<tr>
<td>• Introduction to Microbiology</td>
<td>• Hubungan Etnik / Malaysian Studies 3</td>
</tr>
<tr>
<td>• Basic Pharmacology and Toxicology with Health Informatics</td>
<td>• Life Skills for Success &amp; Well-Being</td>
</tr>
<tr>
<td>• Basic Anatomy with Histology and Hematology</td>
<td>• Millennials in Malaysia: Team Dynamics and Relationship Management</td>
</tr>
<tr>
<td>• Advanced Pharmacology</td>
<td>• Tamadun Islam dan Tamadun Asia / Bahasa Melayu Komunikasi 2</td>
</tr>
<tr>
<td>• Clinical Chemistry</td>
<td>• Technopreneurship</td>
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<td>• Human Physiology</td>
<td>• Entrepreneurship</td>
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<tr>
<td>• Instrumentation in Medical Diagnostic, Laboratory Science and Blood Banking</td>
<td>• International Business</td>
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<td>• Human Pathology</td>
<td>• Management</td>
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<td>• Medical Parasitology</td>
<td>• Marketing</td>
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<tr>
<td>• Clinical Genetics</td>
<td>• Psychology</td>
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<tr>
<td>• Immunology</td>
<td>• Biotechnology</td>
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<tr>
<td>• Applications of Bioinformatics</td>
<td>• Pharmaceutical Industry Practice</td>
</tr>
<tr>
<td>• Medical Microbiology</td>
<td>• Complementary Study Guide for the list of Minor packages.</td>
</tr>
<tr>
<td>• Research and Laboratory Management</td>
<td>• Choose any Minor package* offered by Taylor’s University.</td>
</tr>
<tr>
<td>• Epidemiology and Public Health</td>
<td>• Refer to the Complementary Study Guide for the list of Minor packages.</td>
</tr>
<tr>
<td>• Nutritional Biochemistry</td>
<td>• Choose ONE (1) of the below packages:</td>
</tr>
<tr>
<td>• Research Project</td>
<td>• Minor</td>
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<tr>
<td>• Industrial Training and Biomedical Practicum</td>
<td>• Recommended Packages:</td>
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<tr>
<td></td>
<td>• Mass Communication</td>
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<td>• Education</td>
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<td>• Journalism</td>
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<td>• Event Management</td>
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<td>• Entrepreneurship</td>
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<td>• Biotechnology</td>
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<td>• Pharmaceutical Industry Practice</td>
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<td>Choose any Minor package* offered by Taylor’s University.</td>
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<td>Refer to the Complementary Study Guide for the list of Minor packages.</td>
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<tr>
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<td><strong>Free Electives</strong></td>
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<tr>
<td></td>
<td>Choose any FIVE (5) Free Electives* offered by Taylor’s University.</td>
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<tr>
<td></td>
<td>Refer to the Complementary Study Guide for the list of Free Electives.</td>
</tr>
</tbody>
</table>

*Meet min. module pre & co-requisite

**Note:**
Primary Core + University Core + Minor = Min. 3.5 Years (136 Credit Hours)

Primary Core + University Core + Free Electives = Min. 3.5 Years (136 Credit Hours)
The programme is designed to give students a comprehensive education and training in biotechnology focusing on three core areas, namely agriculture, biological sciences and industrial.

Students will be exposed to scientific principles and knowledge, bioinformatics technologies, laboratory techniques in research and development, business and entrepreneurship skills, as well as legal, intellectual, social and ethical issues.

**Primary Core**
- Introduction to Biotechnology
- Fundamental of Chemistry
- Introduction to Microbiology
- Cell Biology
- Principles of Biochemistry
- Biodiversity and Conservation
- Techniques and Instrumentation in Biotechnology
- Principle of Genetics
- Introduction to Biostatistics
- Crop Biotechnology
- Animal Biotechnology
- Bioprocess Technology
- Application of Bioinformatics
- Research and Laboratory Management
- Trends in Biotechnology
- Bioentrepreneurship
- Research Project
- Industrial Training

80 Credit Hours

**University Core**
- Community Service Initiative
- Hubungan Etik / Malaysian Studies 3
- Life Skills for Success & Well-Being
- Millennials in Malaysia: Team Dynamics and Relationship Management
- Tamadun Islam dan Tamadun Asia / Bahasa Melayu Komunikasi 2

12 Credit Hours

**Complementary Studies**

**Choose ONE (1) of the below packages:**

**Minor**

**Recommended Packages:**
- Food Science
- Health Sciences
- Nutrition
- Finance
- International Business
- Entrepreneurship
- Management
- Marketing
- Law
- Mass Communication
- Journalism
- Education

*Subject to availability*

**Second Major**

**Recommended Packages:**
- Psychology
- Mass Communication
- Business Management
- Entrepreneurship
- Education

*Subject to availability*

**Free Electives**

*Subject to availability*

Choose any SEVEN (7) Free Electives* offered by Taylor's University. Refer to the Complementary Study Guide for the list of Free Electives.

12 Credit Hours

*Students are requested to take Bahasa Kebangsaan A if they do not obtain a Credit for Bahasa Malaysia in SPM.

Note:
- Primary Core + University Core + Minor = Min. 3 Years (120 Credit Hours)
- Primary Core + University Core + Second Major = Min. 3.5 Years (148 Credit Hours)
- Primary Core + University Core + Free Electives = Min. 3 Years (120 Credit Hours)
**BACHELOR OF SCIENCE (HONS)**

**FOOD SCIENCE**

KPT/JPS (R/541/6/0026) (MQA/FA0139) 02/21

**INTAKE: MARCH & AUGUST**

Students will be exposed to in depth understanding of food processing, food texture, flavour, nutritional composition, sensory and food safety that are necessary for development of nutritious food product.

### Primary Core
- Cell Biology
- Fundamental of Chemistry
- Introduction to Microbiology
- Introduction to Food Science and Nutrition
- Principles of Biochemistry
- Introduction to Biostatistics
- Food Chemistry
- Food Physics
- Food Microbiology
- Food Processing
- Techniques in Food/Nutrition Research
- Food Preservation
- Food and Nutrients Evaluation
- Food Product Development
- Sensory Evaluation
- Food Safety and Quality Management
- Research Project
- Industrial Training

### University Core
- Community Service Initiative
- Hubungan Etnik / Malaysian Studies 3
- Life Skills for Success & Well-Being
- Millennials in Malaysia: Team Dynamics and Relationship Management
- Tamadun Islam dan Tamadun Asia / Bahasa Melayu Komunikasi 2

### Complementary Studies

**Choose ONE (1) of the below packages:**

<table>
<thead>
<tr>
<th>Minor</th>
<th>Recommended Packages:</th>
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<tr>
<td></td>
<td>• Marketing</td>
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<td></td>
<td>• Management</td>
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<td>• Entrepreneurship</td>
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<td></td>
<td>• Mass Communication</td>
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</tbody>
</table>

Choose any Minor package* (5 modules) offered by Taylor’s University. Refer to the Complementary Study Guide for the list of Minor packages.

and

Choose any TWO (2) Free Electives* offered by Taylor’s University. Refer to the Complementary Study Guide for the list of Free Electives.

**Second Major**

**Choose any Second Major package* offered by Taylor’s University. Refer to the Complementary Study Guide for the list of Second Major packages.**

or

**Free Electives**

Choose any SEVEN (7) Free Electives* offered by Taylor’s University. Refer to the Complementary Study Guide for the list of Free Electives.

*Subject to availability
*Meet min. module pre & co-requisite

### Note:

Primary Core + University Core + Minor = Min. 3 Years (120 Credit Hours)
Primary Core + University Core + Second Major = Min. 3.5 Years (148 Credit Hours)
Primary Core + University Core + Free Electives = Min. 3 Years (120 Credit Hours)
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• Kuantan Office Tel: 609-566 3709 Fax: 609-566 3710
• Kuching Office Tel: 6082-345 808 / 345 807 Fax: 6082-345 809
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