



TAYLOR'S  
UNIVERSITY  
Wisdom • Integrity • Excellence

Welcome to

# Taylor's Digital Prospectus



# TAYLOR'S UNIVERSITY

## RISE WITH THE BEST AND GRADUATE IN DEMAND

Since its inception in 1969, 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 nurtures its students in the three aspects of intelligence: intellect, practical wisdom, and craft through its Taylor'sphere ecosystem of flexible curriculum, innovative pedagogy, multidisciplinary projects, impact-based research, as well as networks with peers and alumni.



## ACHIEVEMENTS

OUR AWARDS VALIDATE OUR WORLD-CLASS GRADUATES, STANDARDS & FACILITIES

WORLD  
**TOP 1%**

UNIVERSITIES  
#251



**TOP 40**

IN ASIA



**NO. 1**

PRIVATE UNIVERSITY  
IN SOUTHEAST ASIA  
5 YEARS IN A ROW



WORLD  
**TOP 20**

FOR GRADUATE  
EMPLOYABILITY RATE





# VICE-CHANCELLOR & PRESIDENT'S MESSAGE

Taylor's University is a reputable and leading private education institution in Malaysia. With more than 50 years of experience in the education scene, we remain steadfast in fostering excellence in education, innovation, and the holistic development of our students. We infuse our research, education, and advocacy with purpose and meaning to empower our community in pursuing their passion and purpose, thus leaving a positive impact to their surrounding community.

Our prime location exposes our diverse student body from almost 100 countries to the nation's rich cultural landscape and attracts the brightest and most creative students from around the world. Our students come together to create a vibrant and exciting community that supports a wide range of sporting, cultural and leisure activities, which have become the hallmark of the Taylor's experience – cultivating a positive campus environment.

We hope that Taylor's University will be your higher education institution of choice as we remain committed in our stance as a leading institution that is equipped to empower its students to address the challenges of the modern world. Most importantly, let us work together driven by the limitless potential within our community to ensure that when you graduate, you are ready to create your own pathway to excellence and become a productive leader of change.

We look forward to seeing you at Taylor's Lakeside Campus.

Warmest Regards,  
**Professor Barry Winn**  
Vice Chancellor and President,  
Taylor's University



## GLOBALLY RANKED SUBJECTS

### TOP 20

#20  
Hospitality & Leisure  
Management

### TOP 50

#21-50  
History of Art

### TOP 100

#51-100  
Art & Design

Marketing

Data Science & AI

### TOP 150

#101-150  
Architecture  
& Built Environment

Accounting & Finance

Business & Management  
Studies

Social Sciences  
& Management

Arts & Humanities

### TOP 250

#151-200  
Economics & Econometrics

Pharmacy & Pharmacology

#201-250  
Computer Science  
& Information Systems

Communication  
& Media Studies

### TOP 400

#251-300  
Education & Training

#301-375  
Sociology

#351-400  
Electrical & Electronics  
Engineering

### TOP 500

#401-450  
Engineering & Technology

#451-500  
Medicine

### TOP 600

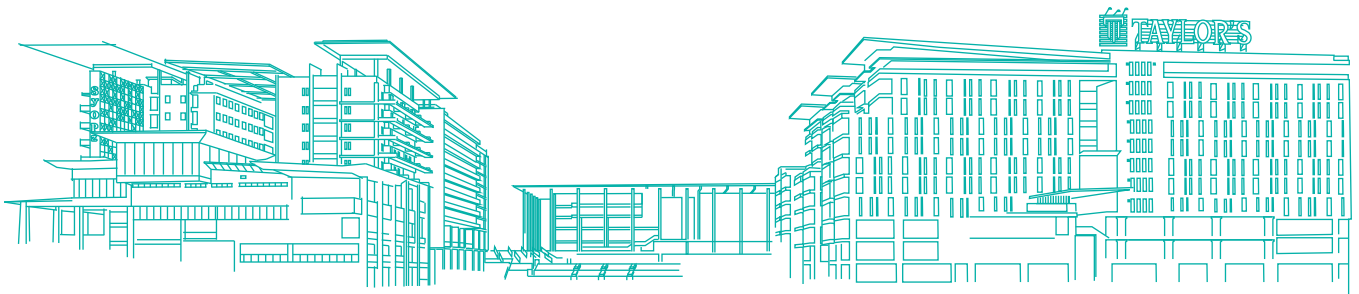
#501-575  
Mechanical Engineering



TAYLOR'S  
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# BIOSCIENCES



TAYLOR'sphere™

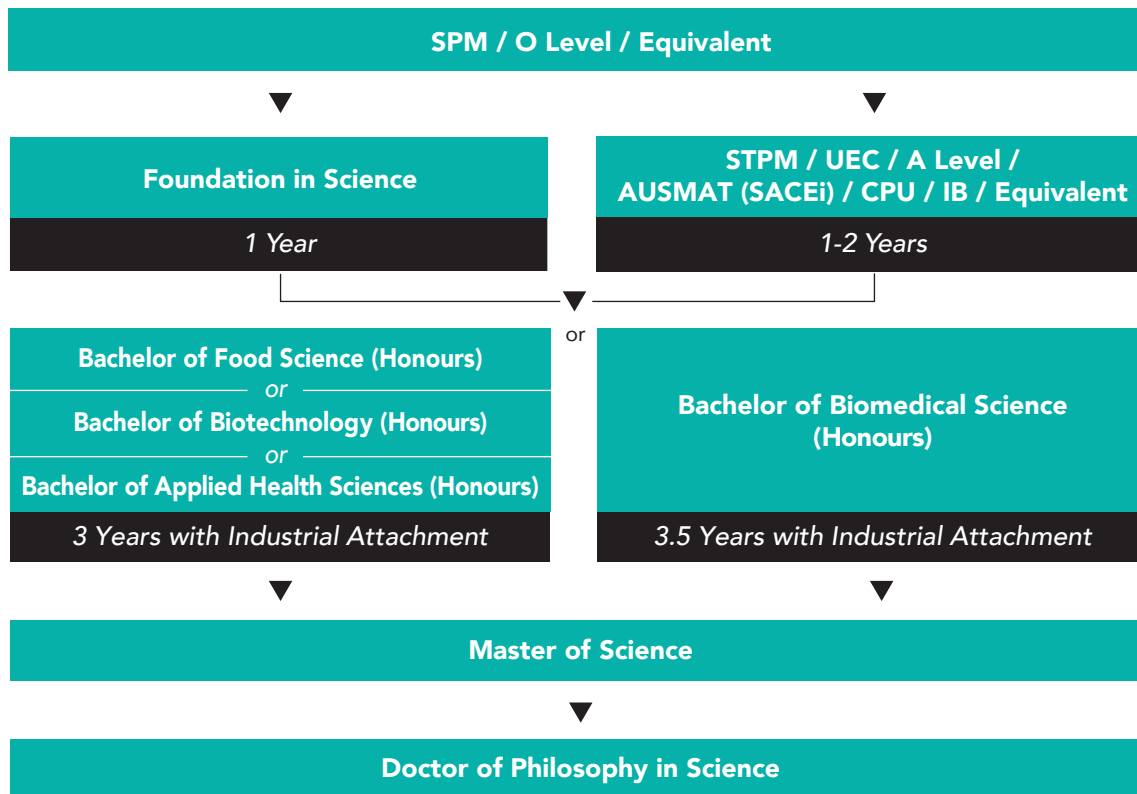


# TAYLOR'S SCHOOL OF BIOSCIENCES

Bachelor of Biomedical Science (Honours)  
Bachelor of Biotechnology (Honours)  
Bachelor of Food Science (Honours)  
Bachelor of Applied Health Sciences (Honours)



# EDUCATION PATHWAY





# FUTURE CAREERS

## **Bachelor of Biomedical Science**

- Biomedical Scientist
- Clinical Geneticist
- Medical Microbiologist
- Toxicologist
- Health & Safety Officer
- Clinical Operations
- Pharmaceutical Business Development
- Quality Assurance Officer
- Immunologist
- Clinical Research Scientist
- Healthcare Innovations Sales
- Bioentrepreneur
- Medical Science Writer

## **Bachelor of Biotechnology**

- Biotech Innovator
- Biotech-preneur
- Biotech Data Analyst
- Clinical Research Coordinator
- Bioinformatics Specialist
- Medical Solutions Sales
- Biotech Patent Expert
- Research Officer
- R&D Product Specialist (Science Solutions)
- Business Development Associate

## **Bachelor of Food Science**

- Consultancy
- Food Analyst
- Food Product Specialist
- Food Technologist
- Industry Buyer / Retail Buyer
- Product / Process Development Scientist
- Production Manager
- Quality Assurance Associate
- Quality Control Officer
- Regulatory Affair Officer
- Research Scientist (Food)
- Flavour Technologist

# FUTURE CAREERS

## Bachelor of Applied Health Sciences

### Neuroscience

- Neuroscientist
- Neuropharmacologist
- Neurotechnologist
- Neuroimaging Specialist
- Cognitive Neuroscientist
- Electroneurodiagnostic Technologist
- Neuroinformatics Specialist
- Neuro-products Specialist
- Laboratory Manager

### Embryology

- Developmental Biologist
- Embryo Cryopreservation Specialist
- Research Scientists
- Assisted Reproductive Technology (ART) Specialist
- Embryology Quality Control Specialist
- IVF Laboratory Coordinator
- Laboratory Manager
- Family Planning Officer

### Genetic

- Molecular Geneticist
- Pharmacogeneticist
- Genetic Laboratory Manager
- Pharmacogenomics
- Bioinformatics Specialist
- Genetic epidemiologist
- Genomic Data Analyst
- Genetic Engineering Specialist

### Nutrition

- Public Health Nutrition Specialist
- Nutritional Epidemiologist
- Nutrigenomics Specialist
- Health Promotion Specialist
- Research Scientists
- Nutri-preneur
- Laboratory Manager
- Nutrition Promotion Coordinator
- Retail Nutrition Insights



# OVERSEAS TRANSFER OPTIONS\*



## UNITED KINGDOM

### UNIVERSITY OF ESSEX

- BSc Biomedical Science
- BSc Biological Sciences
- BSc Human Biology
- BSc Applied Medical Science
- BSc Biochemistry
- BSc Genetics

### UNIVERSITY OF BIRMINGHAM

- BSc Biochemistry
- BSc Biological Sciences

### UNIVERSITY OF SHEFFIELD

- BSc Biomedical Science
- MBiomed Science Biomedical Science

### UNIVERSITY OF DUNDEE

- BSc (Hons) Biomedical Sciences
- BSc (Hons) Biological Sciences
- BSc (Hons) Anatomical Science
- BSc (Hons) Forensic Anthropology
- MSc Anatomy & Forensic Anthropology
- MSc Forensic Anthropology
- MSc Forensic Archaeology & Anthropology
- MSc Human Anatomy
- MSc by Research
- MSc Biomedical & Molecular Sciences
- MSc Biomedical & Molecular Sciences with Business
- MSc Biomedical & Molecular Sciences with Management
- MSc Biomedical Sciences with Marketing
- MSc Biomedical Sciences & Molecular Sciences with Entrepreneurship
- MSc Biomedical Engineering
- MSc Medical Imaging
- MSc Industrial Engineering

### UNIVERSITY OF THE WEST ENGLAND

- BSc (Hons) Biomedical Science
- BSc (Hons) Biological Sciences

### UNIVERSITY OF EAST ANGLIA

- BSc Biological Sciences

### UNIVERSITY OF READING

- BSc Food Science
- BSc Microbiology
- BSc Biological Sciences
- BSc Biomedical Sciences

### UNIVERSITY OF LEEDS

- BSc Biomedical Sciences
- BSc Neuroscience
- BSc Human Physiology
- BSc Pharmacology
- BSc Ecology and Conservation Biology
- BSc Genetics
- BSc Zoology
- BSc Biological Sciences
- BSc Biochemistry
- BSc in Food Science
- BSc Food Science and Nutrition

### UNIVERSITY OF BRISTOL

- BSc Biomedical Sciences
- BSc Biochemistry with Molecular Biology and Biotechnology
- BSc Biology
- BSc Plant Sciences
- BSc Zoology
- MSci Biology
- MSci Plant Sciences
- MSci Zoology

### QUEEN'S UNIVERSITY OF BELFAST

- BSc Biomedical Sciences
- BSc Zoology
- BSc Marine Biology
- BSc Biological Sciences



## CANADA

### ACADIA UNIVERSITY

- BSc Biology
- BSc Biology and Nutrition



## AUSTRALIA

### QUEENSLAND UNIVERSITY OF TECHNOLOGY

- Bachelor of Biomedical Science

### RMIT UNIVERSITY

- Bachelor of Food Technology and Nutrition

### THE UNIVERSITY OF ADELAIDE

- Bachelor of Science (Biomedical Science)
- Bachelor of Science
- Bachelor of Science (Honours)
- Bachelor of Food and Nutrition Science

### DEAKIN UNIVERSITY

- Bachelor of Biomedical Science
- Bachelor of Forensic Science
- Bachelor of Nutrition Science

### THE UNIVERSITY OF SYDNEY

- Bachelor of Science (selected majors/minors)
- Bachelor of Science/ Bachelor of Advanced Studies (selected majors/minors)

### UNIVERSITY OF SOUTH AUSTRALIA

- Bachelor of Human Movement
- Bachelor of Biomedical Science
- Bachelor of Laboratory Medicine (Hons)

### UNIVERSITY OF TECHNOLOGY SYDNEY

- Bachelor of Advanced Science (Pharmaceutical Sciences major)
- Bachelor of Marine Biology and Climate Change
- Bachelor of Forensic Science (Biology major)
- Bachelor of Medical Science (Medical & Health related Science majors)
- Bachelor of Medical Science (Pathology major)
- Bachelor of Science (Medical Science major)
- Bachelor of Molecular Biotechnology (Medical Biotechnology major)
- Bachelor of Molecular Biotechnology (Environmental Biotechnology major)
- Bachelor of Science (Biotechnology major)



## NEW ZEALAND

### UNIVERSITY OF OTAGO

- Bachelor of Science (Food Science)
- Bachelor of Biomedical Science
- Bachelor of Biomedical Science (Nutrition and Metabolism in Human Health)
- Bachelor of Science (Neuroscience & Genetics)
- Bachelor of Sciences (Major: Anatomy, Genetics, Microbiology, Pharmacology, Physiology)

\*Admission is subject to the transfer requirement established by the respective universities

# WHY BIOSCIENCES AT TAYLOR'S?

Taylor'sphere, our balanced ecosystem of community, facilities and features, is focused on equipping students with intellect, creativity and practical wisdom to graduate in demand for the ever-evolving landscape. Your journey in biosciences studies as a Taylorian will be immersed within this ecosystem that will empower your aspirations and enable you to rise with the best, where our community is our strength.







## YOUR FUTURE IS OUR PRIORITY

We ensure that our students are in touch with current and future trends and are well-equipped to embrace global challenges like the recent pandemic.



## MULTIDISCIPLINARY LEARNING EXPERIENCE (MLE)

Taylor's is one of the pioneer institutions in the region to implement compulsory multidisciplinary projects across all its undergraduate programmes. Multidisciplinary solutions go beyond just collaborating, but rather having a good understanding of learning necessities across various disciplines against being discipline-specific which will no longer be enough.



## TAYLOR'S CURRICULUM FRAMEWORK (TCF)

Breaking conventions to bring you the first-of-its-kind framework in Malaysia that allows you to mix and match modules to customise your degree.



## RESEARCH-FOCUSED CURRICULUM

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 our research findings via local and international platforms.



## HIGHLY QUALIFIED LECTURERS

Over 95% of our faculty members are PhD holders, with a wide range of research focuses in the field of science.



## GET LEARNING EXPERIENCES LOCALLY & ABROAD

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, refugee centres to manufacturing laboratories.



## OVERSEAS TRANSFER OPTIONS

Our programmes are internationally recognised by leading universities in Australia and the UK.



## FULL ACCREDITATION

All programmes offered by Taylor's School of Biosciences are fully accredited by the Malaysian Qualifications Agency (MQA).



## INDUSTRY PARTNERSHIPS

Strategic links with industry members and professional bodies foster strong platforms for research commercialisation, industrial attachment opportunities, as well as sharing of best practices.



## WORLD-CLASS STANDARDS & FACILITIES

Taylor's Lakeside Campus encompasses a modern, functional design with state-of-the-art facilities together with lush greenery and its trademark 5.5-acre lake; striking a balance between form and function to embody our modern approach and perspective in premium education with an approach to holistic growth outside the classroom.



## OPPORTUNITY TO PURSUE MASTER OF PHARMACY AT GRIFFITH UNIVERSITY

Our Biomedical Science / Biotechnology graduates can pursue a career in pharmacy at Griffith University, Australia under the Master of Pharmacy programme, an accredited pathway that allows students to become a pharmacist intern training in Australia.



## TRANSDISCIPLINARY LEARNING EXPERIENCE

Join one of our 11 Impact Labs to gain knowledge and skills by blending insights from different disciplines.



## PERSONALISED AI-POWERED LEARNING

As one of Malaysia's pioneering institutions in AI-driven innovation, we offer personalised one-on-one 24/7 tutoring, focused Q&A sessions, assessments and instant feedback, supported by our AI teaching assistant. Students enjoy an engaging experience that encourages self-directed growth and better understanding.

# MULTIDISCIPLINARY LEARNING EXPERIENCE

Our programme modules are built to complement one another, allowing students to appreciate a wider context of biosciences, technology, resources, and issues faced by the industry and the environment.



## HEALTH SCIENCES

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Research on infectious and non-communicable diseases to address the growing health problems in society, especially molecular mechanisms in the progression and treatment of infectious diseases, diabetes and cancer.



## FOOD SCIENCE & NUTRITION

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Seeks new insights into food sustainability, future food design, microbial food safety, development of functional foods, sensory and consumer science, human nutrition, and public health.



## APPLIED BIODIVERSITY

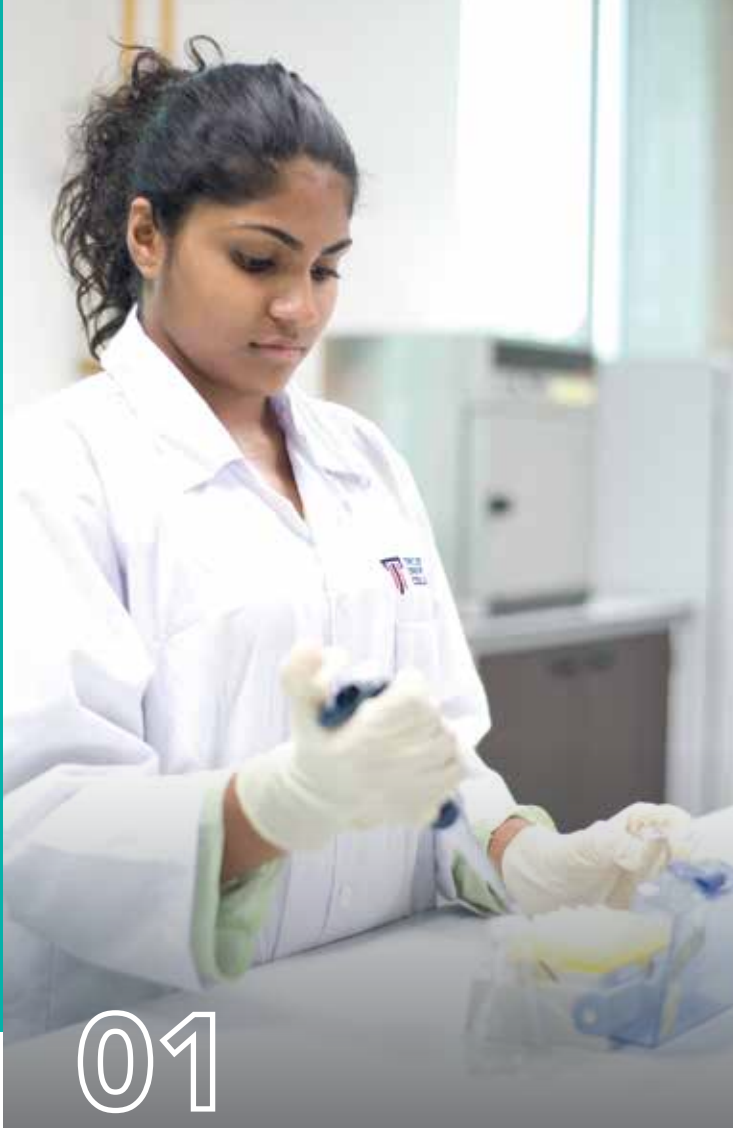
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Investigates the use and conservation of biological resources by applying this knowledge in a more sustainable utilisation and protection of biological resources in environmental management, bioremediation, aquatic and plant biotechnology, and industrial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





# MULTIDISCIPLINARY LEARNING EXPERIENCE PROJECTS



01

## Electrocardiographic (ECG) Parameters

- A collaborative learning project among healthcare professionals comprising physicians, pharmacists, biomedical scientists, and students.
- An outcome-based inter-professional activity with multidisciplinary experience designed to help students acquire the required competencies, skills and knowledge related to ECG measurement and interpretation that is essential in the healthcare industry.
- Allows these multidisciplinary healthcare teams to work together with shared responsibilities and partnerships to build communication skills, define roles and collaborate effectively.



02

## Green-Wall Filtration System for Bioremediation

- This collaborative project brought together Biotechnology and Chemical Engineering students to optimise green-wall clean water filtration system for bioremediation.
- Biotechnology students explored the microbiological properties for water quality assessment, while Chemical Engineering students engineered the green-wall filtration system for optimal functioning.
- The collaboration encouraged cross-disciplinary collaborations for research development in clean water technology to contribute to the success of the project.



03

## Food Product Development

- This project brought together Food Science and Taylor's Design School students to produce food product packaging and related merchandise that are in line with the industry's demand.
- Food Science students developed the product concept and explored the right material to protect the content in order to achieve regulatory compliance, food safety and food quality, while Design School students created a food packaging design aesthetically appealing enough to grab the consumer's attention.
- Overall, the collaboration fostered different types of communication skills and positive interdependence of the teams across disciplines in order to contribute to the success of the project.

When I was at Taylor's, I gained many opportunities to apply my classroom knowledge through research activities and to enhance my scientific communication and management skills by being a teaching assistant and as a student leader during open days. While these skills had greatly helped me in both my job as a communications intern at GlaxoSmithKline pharmaceuticals, and as an executive cum Mandarin translator at LYC Healthcare Berhad, my greatest take was being taught by lecturers whom have nurtured and till this day inspire me to become a medical scientist in the future.

### Jayshree Low Jit Size

Bachelor of Biomedical Science (Honours)  
MEXT Scholar and PhD Candidate at  
Tokyo Institute of Technology  
Taylor's World Class Scholarship Recipient

With various aspects of learning; tutorials, lectures, field trips and hands-on research projects, I was able to learn and gain in-depth understanding. Taylor's School of Biosciences equipped me well with tools, infrastructure, and expertise, making my journey as a student a breeze. The ample elective choices offered allowed me to expose myself to various relevant fields to widen my knowledge.

### Sathiavani A/P Arikrishnan

Bachelor of Biomedical Science (Honours)  
Business Development Executive, Clinical Research Malaysia



Joining Taylor's food science programme was a great experience for me. Their modules covered a wide range of subjects that are relevant to the food industry. I get to apply what I learned during my compulsory internship and of course, my current project. What's important is that now I know how to think like a food scientist. I understand what compulsory elements are to be considered in food production and critically analyse topics on food science, thanks to my final-year project where I got to produce a food product from scratch. Overall, this programme equipped me with in-depth knowledge of the food industry and hands-on experience which is definitely a highlight in my education journey.

### Shelly Tania Sentoso

Bachelor of Food Science with Nutrition (Honours)  
Entrepreneur (Indonesia)



# LOCAL & INTERNATIONAL LEARNING EXPERIENCES

Learning experiences at the Taylor's School of Biosciences extends beyond the classroom. We promote unconventional methods of learning and experience through frequent field visits to study-related sites and companies, outreach and community service, participation in conferences and other activities.



## Coffee Fermentation Workshop

Gaining insights into bean processing at Mae Fah Luang University, Thailand



## Corine Teo Sze Xuan

Student exchange programme to University of Applied Sciences, Upper Australia



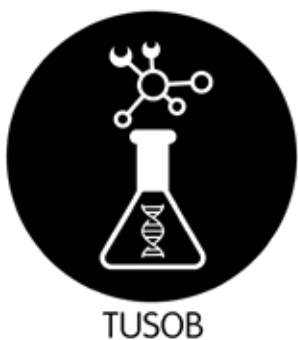
## Beauty Foods Formulation Workshop

Learning to turn natural products into cosmeceuticals at Atmajaya University, Indonesia



## Saw Kai Xuan, Lee Soon Onn, Wooi Sue Jenn & Zachary Sia

Student exchange programme to RMIT, Australia



## TAYLOR'S UNIVERSITY BIOSCIENCES CLUB

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

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



## Frankie Lim Yee Hung

Student exchange programme to Masaryk University, Czech Republic





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.

**Ow Ji Tsong**

Bachelor of Science (Honours)  
Food Science with Nutrition

The semester I spent at Manchester Metropolitan University (MMU) in the UK as an exchange student was truly eye-opening. I was able to fully immerse myself into the British lifestyle while gaining new knowledge and skills with the courses at MMU. Since Manchester is so diverse, I had the opportunity to befriend many international students and learn about their culture as well. I was able to visit a few countries besides England such as Scotland, Denmark and Spain. As it was during winter, I experienced snow for the first time in my life and it was truly a wonderful semester spent abroad.

**Hailey Tan Heng Lim**

Semester 6 Biotechnology student  
Erasmus scholarship recipient  
Exchange student in UK

I feel proud of myself for stepping outside of my comfort zone into a foreign country where I was able to experience a whole new different culture and people. This exchange semester opened up my mind to a lot of different ideas and social lifestyle. I've grown much more mature after this trip in terms of understanding and knowing that there are much more in store for me in this world than just my own home country.

**Kevin Chong Yee Khen**

Semester 4 Food Science student  
Exchange student at The Hague University of Applied Sciences



# GLOBAL & LOCAL COLLABORATIONS WITH INDUSTRY LEADERS

Taylor's School of Biosciences (SBS) continues to establish strong collaborations with leading companies, placing our students in an advantageous position to face their future career challenges. More than just education, students have the opportunity to experience and witness first-hand real-world work in their chosen field.

## INDUSTRY & FIELD VISITS

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





## INDUSTRY PARTNERSHIPS

Ensuring that our programmes are keeping up with an ever changing landscape, 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.

**Royal Pahang Durian Produce** collaborated with Biotechnology final-year project students on sustainable agriculture projects and a 6-month research internship. The industry partners commended the students' critical thinking, analytical skills, and excellent communication and presentation skills, while students valued the experience of engaging with real-world problems, where they could apply their knowledge to the projects.

**Campbell Soup Southeast Asia** is a renowned producer of canned soups and related products. The R&D Director of the company was invited to be one of the judges for our students' Food Product Development showcase.

**Final-Year Project in collaboration with Novonesis Malaysia Sdn Bhd**  
The Biotechnology team initiated final-year project collaborations with Novozymes, an international biotechnology company with specialized focus on providing innovative solutions in household care and industrial technologies.

Four (4) industry based final-year projects were offered as theme-based research in August 2021 and March 2022, under the supervision of lecturers and co-supervised by industry advisors from Novozymes.



Royal Pahang Durian Produce Sdn Bhd



Campbell Soup South East Asia

### The titles of the projects:

- (1) Extraction Protein from Brewer's Spent Grains
- (2) Retention of probiotic bacteria from industrial cleaning agents on stainless steel and cotton cloth

### Final Year Project in collaboration with Sime Darby Plantation Research Sdn Bhd

Eight (8) industry based final year projects were offered as theme-based research in March 2022 under the supervision of lecturers and co-supervised by industry advisors from Sime Darby, studying the effect of food types and frying cycles of cooking oil.

### Food Product Development Project (in collaboration with Kawan Food Berhad)

The Food Science team explores the use of upcycled materials in food products with Kawan Food, a leading Malaysian frozen food supplier brand.



## 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. Connor 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



## INTERNSHIP

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

## INTERNSHIP EXPERIENCE: BIOMEDICAL SCIENCE



Natasha (Middle, holding the balloon)

**Natasha Marion**  
*Gunter Paraxel International (Malaysia) Sdn. Bhd.*

My experience was nothing short of amazing! It felt great and satisfying to know that part of my work there was appreciated and incorporated into their system. I was also glad to be able to organise their team building events where all of us had an enjoyable time bonding with each other. I have also made some lifelong friends there. So, be sure to go out there and make the best of it!



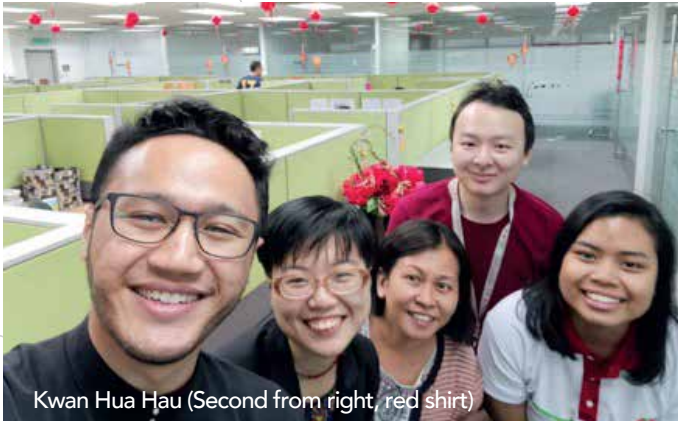
Melissa (Second top right)

**Melissa Anne Bany**  
*Sunway Medical Centre*

A great opportunity to learn and experience with SunMed has led us to continue to serve from our heart and we can make a difference by improving the quality of life for a better future.



## INTERNSHIP EXPERIENCE: FOOD SCIENCE



Kwan Hua Hau (Second from right, red shirt)

**Kwan Hua Hau**  
*F&N Beverages Manufacturing*

Being able to work in a prestigious company like F&N was really an eye-opening experience. I was able to be involved in the real life production of the beverages that we have been drinking since young, gaining technical knowledge that is really useful in my career field. I was glad to have met some friends and seniors who'd made me into the man of steel today.

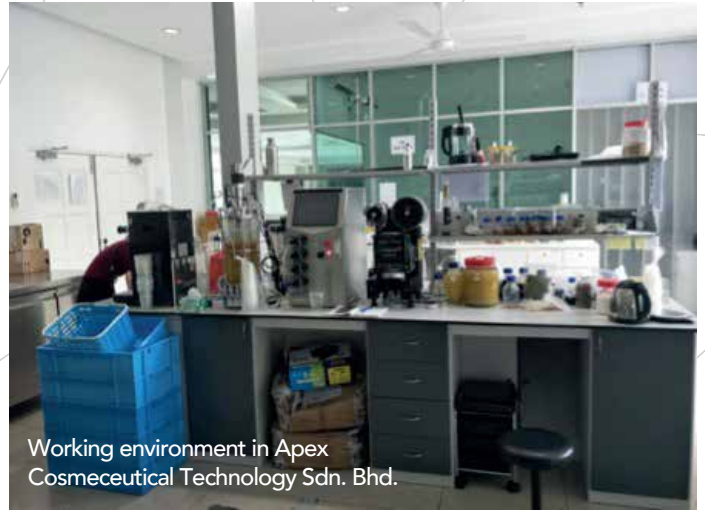


So Zu Min (Right, green shirt)

**So Zu Min**  
*Yeo Hiap Seng*

The good thing about my internship is that I got a lot of hands-on experience. I have a chance to work with the supervisors and workers in production line, going through every detail. Also, there are a lot of things I learned from class that I am applying at work. For example a lot of the theories that I explored in class have helped me analyse the situations I have been in. In addition, I met a lot of friends there and all the people there treated me very nice.

## INTERNSHIP EXPERIENCE: BIOTECHNOLOGY



Working environment in Apex  
Cosmeceutical Technology Sdn. Bhd.



**Chong Ee Seng**  
*Apex Cosmeceutical Technology Sdn. Bhd.*

The internship was a golden opportunity for me to experience the career world. I had my internship with a biotechnology company. The nature of the company was similar to what I have learned at Taylor's University. I got to learn the fermentation process and it gave me a new exposure towards the real working environment. Overall, I have learned to become a self-motivated individual. The CEO of Apex Cosmeceutical Technology has always been supportive in providing guidances. Through that, I have developed a positive attitude towards career and personal life.



**Muhammad Zayd Khairil Anwar**  
*Plant Biotechnology Incubator Unit*

For the past 3 months I have been given the chance to improve my knowledge involving plant tissue culture as well as spread knowledge about plant tissue cultures, not only to students and academicians, but to the public as well. I have had the chance to be involved in workshops demonstrating the benefits of plant tissue culture as well as educating farmers regarding the benefits of plants propagated through tissue culture technique. Besides workshops, I had the chance to micropropagate *Musa acuminata* cultivar Berangan by using suckers as explant material, as well as culturing *Zingiber zerumbet* Smith, commonly known as Lempoyang as a mini project. This mini project has given me large insights on plant tissue culture and the challenges faced by scientists in this field. I am grateful to have been given this chance to do my internship at Plant Biotechnology Incubator Unit.



**Lee Wai Leong**  
*Novonesis Malaysia Sdn Bhd*

Having my internship in Novozymes Malaysia really gave me a whole new experience. I was assigned to work in the Global Oils and Fats Lab which gave me the opportunity to deal with international projects. Besides that, I was exposed to many different lab analyses that I never worked on before. For example, using the auto-titrator to check for free fatty acid percentage, checking the pH of water extract, moisture determination, solid fat content determination, peroxide value determination and more. In addition, enzymes were applied in some of the projects such as enzymatic degumming and enzymatic interesterification processes. Furthermore, Novozymes Malaysia gave me the opportunity to attend all the meetings including international meetings with the CEO of Novozymes. I made a lot of new friends and expanded my circle of network. Other than the normal work, Novozymes also organised other events to further enrich my experience here in Novozymes such as Smoothie Day, Zumba Workout, Yoga Fitness, International Women's Day, Chinese New Year Celebration, monthly birthday celebration and making my Valentine's Day so sweet. Thus, having my internship here in Novozymes Malaysia has really enriched my experience throughout these three months.





Soap Analysis



Free fatty acid analysis  
using auto-titrator



Solid fat content analysis



Enzymatic Degumming



Enzymatic  
Interesterification



pH determination

# SHORT-TERM MOBILITY PROGRAMME

This programme provides a unique opportunity for students to learn about other cultures, while focusing on various aspects of their studies.



**Lim Yee Hung**

*Student exchange programme to Masaryk University, Czech Republic*

Thanks to the funds provided by ERASMUS+, I could conduct my semester exchange from February to July 2018 in the Czech Republic. I arrived at Prague on 10th February and was studying at Masaryk University, Brno. The lectures were conducted mainly with discussions involving students and allowed brainstorming sessions. I was studying Psychology and Sport Science. It was fabulous to step out my comfort zone to explore and gain different knowledge. The culinary culture of the Czech Republic also attracted me a lot. Czech locals taught me the ways of cooking and the outcomes turned out to be very good. They also invited me to some special festivals like Czech Beer Festival, Walpurgis Night and so on. I enjoyed a lot as I made lots of friends from all walks of life during this journey. This journey improved my social and communication skills, ensured peace of mind, broadened my horizon, enhanced my tolerance towards uncertainties, boosted my confidence and aided me to get to know myself.



**Saw Kai Xuan**

*Student exchange programme to RMIT, Australia*

I'm truly grateful to have this wonderful one-semester exchange programme which gave me the precious chance to interact with amazing people from all around the globe. Undoubtedly, this exchange programme has widened my knowledge and enhanced my skill sets especially in term of adaptation, communication and global perspective. Thanks to Taylor's University and RMIT for adding these priceless memories in my life!



**Corine Teo Sze Xuan**

*Student exchange programme to University of Applied Sciences, Upper Australia*

It was a fruitful exchange experience in my university life. Meeting international friends, experiencing western culture, sharing international ideas and being independent really made me grow a lot. I feel grateful having this chance to explore the outside world!





### Julian Tay

My six weeks in UWE Bristol was nothing short of an insightful experience. From listening to the team's past experiences to conducting my own experiments, I enjoyed it all. The main topic during my time here is 'volatile compounds for disease diagnostics'. Though I did not work on their ongoing research as their main machine broke down, I got first-hand experience with other useful devices, namely a commercial breath analyser and one that the professors made themselves. These devices mainly measure volatiles in the breath such as hydrogen, methane, ammonia and so on. During the programme, I got the opportunity to plan and conduct a few experiments on my own, without direct influence or supervision by the professor. Not being told what to do means I had creative freedom over what I wanted to do during my time here with what I had available. I even got the opportunity to talk to a higher up from Bedfont Scientific. The time outside the lab was equally enjoyable too! Having the opportunity to live and travel alone will always teach you a thing or two about living independently, especially in an unknown environment.

### Jesvinder Jeet Kaur

*Programme field trip to Anatomy Museum*

Anatomy museum is meant to be a place of science for future learning and discovery of new medical technologies to cure certain diseases. I enjoyed the trip and learned a lot as I was able to observe certain human organs which we learned in the classroom. I also gained knowledge on the discovery of new organ by an Irish surgeon in a human body named mesentery which connects the intestine and the abdomen. In a nutshell, I believe that a human body has an amazing structure and function.



### Ong Chon Phin

*Student helper of AstraZeneca Public Health Campaign*

The cruciality and necessity of health awareness is not only limited to the older generation but also to the younger ones. The collaboration between the School of Biosciences and AstraZeneca on the Health Campaign have been insightful and enjoyable! I have learnt more about the health screening instruments and devices from the hands-on experience and it is truly an amazing experience.





### **Jonathan Bryan Lee Yi-Zhong**

*Student exchange programme to Sheffield Hallam University, UK*

My exchange to the UK has been an eye-opening experience. I learnt a lot from the large and consistently evolving food industry in the European region as well as learnt new things from the way Nutrition was taught due to the different challenges faced by people in the West. I managed to make new friends from all over the world and had new and exciting experiences with them while visiting beautiful locations in the UK.

### **Elaine Lee**

*Taylor's Biotech student*

My internship at Lab-Ind Resource and GeneSeq was a very pleasant experience, and I was fortunate to secure a placement here. Apprenticeship in an industrial company has given me tremendous opportunity to learn and grow as a biotech undergraduate.



### **Joshua Lee Voon Kai**

*Taylor's biotech student*

Through its long term commitment to research in human stem cells and tissue regeneration, interning at CryoCord in the R&D field has enabled me to experience the workflow of applied research in the private sector.







**Yap Chien Yee (Food Science)**  
Mac Food

My internship at Mac Food was great learning experience that I thoroughly enjoyed. I gained a lot of knowledge and valuable experiences through working in the office as well as in the production line. My tasks included data collection, quality assurance, production hygiene analysis and evaluate the performance of production worker. Working at Mac Food had given me the first hand opportunity to look into the processing of the meat from preparation to packing of end product. Besides, I got to know the importance of standard operating procedure which acts as a guideline for employee's work processes. Throughout the course of my six months internship, my communication skills and problem-solving skills had greatly improved. To conclude, the internship has given me a better outlook into what I would want to pursue in the future.

**Long Wenxin (Food Science)**  
Mac Food

Mac Food gave me the opportunity to have a closer insight of how food industries work. As a R&D intern, I was able to research on latest market trends, subsequently provide valuable ideas for the development of innovative food products. Throughout the six months as an intern, I was heavily involved in sample preparation in the kitchen, this has greatly improved my culinary skills. It was also an eye opening experience for me as I got to expand my technical knowledge and apply what I have learnt from university. I am grateful that this internship has provided me with the experience to equip myself for my career in the future. Mac Food is truly a good platform to learn, and to witness how all our favourite foods are made, from scratch.



**Kellen Xu (Food Science)**  
MyBurgerLab

It was an incredible journey when I joined myBurgerLab as an intern. As an R&D intern, I had learned not only about product development but also dealing with real business. One of the successful projects as an intern was the launch of a monthly feature burger, Salmonster, which was a hit that sold approximately 600 pieces within a week. Not only was the project both fun and challenging, but I was blessed with a supportive supervisor and friendly working environment which made my internship journey more exciting. To add on, I was grateful for being given the trust and chance to work on big projects with invaluable feedback from the supervisor and co-founder for improving my skills.

# STRONG INDUSTRY ADVISORY PANEL (IAP)

## AMONG THE KEY IAP ARE:

### Dr Harrison Lau Lik Nang

Group Leader in Biofuel Technology Group  
Engineering & Processing Research Division  
Malaysian Palm Oil Board

### Mr. Ahmad Bazli Abu Shuib

Senior Assistant Director  
Allied Health Science Division  
Ministry of Health Malaysia (MOH)

### Dr. Voon Yit Yang

Head of Technical Services  
Novonesis Malaysia Sdn Bhd

## INTERNSHIP OPPORTUNITIES FOR BIOSCIENCES STUDENTS



### BIOMEDICAL SCIENCE

- Premier Integrated Labs: Pantai Hospitals, Gleneagles Hospitals
- BP Diagnostic Centre Sdn Bhd
- Cancer Research Malaysia SJMC Lab
- Duopharma (M) Sdn Bhd
- Eppendorf Asia Pacific Sdn Bhd
- Fisher Scientific (M) Sdn Bhd
- Glaxosmithkline Pharmaceutical Sdn Bhd
- Gribbles Pathology Malaysia
- Institut Jantung Malaysia
- Paraxel International (Malaysia) Sdn Bhd
- Lablink (M) Sdn Bhd
- Merck Sdn Bhd
- Neogenix Laboratorie Sdn Bhd
- Novartis Corporation (Malaysia) Sdn Bhd
- Novo Nordisk Pharma (Malaysia) Sdn Bhd
- Novozymes Malaysia Sdn Bhd
- Pathology & Clinical Laboratory (M) Sdn Bhd
- Reszon Diagnostic International Sdn Bhd
- Sunway Medical Centre
- Universiti Putra Malaysia
- Ministry of Health Malaysia: Hospital Ampang, Hospital Shah Alam, Hospital Tunku Azizah, Hospital Queen Elizabeth



### BIOTECHNOLOGY

- ACGT Laboratories (Biotechnology division for Genting Group Plantations)
- Acumen Scientific Sdn Bhd
- BP Environmental Testing Sdn Bhd
- Can One Berhad
- Clinical Research Centre
- Cryocord Sdn Bhd
- Eppendorf
- Furley Bioextract
- IBG Manufacturing Sdn Bhd
- Inno Biologics Sdn Bhd
- Institute of Agro-Biotechnology Malaysia
- LiGNO Biotech Sdn Bhd
- My CO2 Laboratory Sdn Bhd
- Natural Wellness Biotech Sdn Bhd
- Novonesis Malaysia Sdn Bhd
- Oxford Diagnostics Sdn Bhd
- Pathlab
- Quintiles
- Reszon Diagnostics International Sdn Bhd
- Universiti Malaya
  - Plant Biotechnology Incubator Unit (PBIU)



## FOOD SCIENCE

- BASF (Malaysia) Sdn Bhd
- Federal Oats Mills Sdn Bhd
- F&N Beverages Manufacturing Sdn Bhd
- F&N Dairies Manufacturing Sdn Bhd
- Kerry Ingredients (M) Sdn Bhd
- Kitchen Chemistry Central Sdn Bhd
- Tyson Food Malaysia Sdn Bhd
- Maxincome Resources Sdn Bhd
- M&S Food Industries Sdn Bhd
- Mondelez Malaysia Sdn Bhd
- Nestle Products Sdn Bhd
- Nestle Manufacturing (M) Sdn Bhd
- Nexus Wise Sdn Bhd
- Novonesis Malaysia Sdn Bhd
- Pacific Food Products Sdn Bhd (Mamee)
- PureCircle (SEA) Sdn Bhd
- Sahajidah
- Hai-O Marketing Sdn Bhd
- Sin Tai Hing Oyster Sauce Factory Sdn Bhd
- The Inside Scoop Sdn Bhd
- Truelifesciences Sdn Bhd
- Yeo Hiap Seng Trading Sdn Bhd



## GENETICS

- National Institutes of Biotechnology Malaysia (NIBM)
- Nutrigenes
- AGTC Genomics etc
- Cancer Research Malaysia
- Synapse Laboratory Malaysia
- My Precise DNA
- Genetics & Regenerative Medicine Research Centre, UPM
- BGI Malaysia
- Win Men Biotech
- Genetics Generation Asia Sdn. Bhd.
- Malaysian Genomics Resource Centre Berhad
- MyGenome Sdn. Bhd.



## NEUROSCIENCE

- Gleneagles Hospital Kuala Lumpur's Neuroscience Centre
- SOLS Health (community-based mental health centre)
- Adapt Enrichment Centre
- The Happy Leaves Autism and Special Needs Therapy Centre (for Autism Spectrum Disorder)
- People Psyence (Psychometric assessment company)
- BAE Counselling and Therapy Centre
- Brainomix Malaysia
- Biogen Malaysia
- G.tec Malaysia
- Spectrum of Life Sdn Bhd
- Reneuron Reichert Tech Sdn. Bhd.
- Lundbeck Malaysia
- Abbvie
- B. Braun Medical Industries Sdn. Bhd.



## EMBRYOLOGY

- TMC Fertility
- Sunway Fertility Centre
- KL Fertility Centre, etc
- CryoCord Malaysia
- StemLife Malaysia
- LabIVF (M) Sdn Bhd
- INVO Bioscience



## NUTRITION

- Dietetics & Nutrition Services (SMC)
- Herbalife Malaysia
- SGS Malaysia
- Nestle Malaysia
- Samsung Malaysia
- E Health Sdn. Bhd.
- Bio-Life Marketing Sdn. Bhd.
- Eureka Healthcare Malaysia
- Vita Health Malaysia Sdn. Bhd.
- Vortexin Sdn. Bhd.
- Big Pharmacy Healthcare Sdn. Bhd.
- Suntory Beverage & Food Malaysia Sdn. Bhd. (Brand's)



For full listing, please visit:

<https://university.taylors.edu.my/en/study/explore-all-programmes/biosciences/industry-partnerships.html>

# WORLD-CLASS STANDARDS & FACILITIES

As your vested partner throughout your education journey, we continuously provide our students with more than just academics, but also life skills to be successful in the future. To do that, we ensure we upkeep our standards and facilities, to be nothing less than world-class!

## HIGHLY QUALIFIED LECTURERS

The School is equipped to support your journey and development in research with over 95% of our lecturers being PhD holders to guide you throughout your studies. For us, it is all about breaking boundaries to develop new ideas and solutions for the future - the 4IR.

## WIDE RANGE OF MODERN FACILITIES

From modern lecture theatres to computer laboratories with the latest hardware, software and specialised high-tech equipment, Taylor's 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

### PLANT TISSUE CULTURE LAB

This clean culture room allows students to carry out plant in vitro related work such as micropropagation, organogenesis, callus and protoplast as well as somatic embryogenesis, enabling the development of skills and opportunities to establish clone lines, extract secondary metabolite and transformation work.

### DIAGNOSTIC LABORATORY (PATHOLOGY AND CLINICAL BIOCHEMISTRY)

The Division of Clinical Biochemistry & Pathology provides qualitative and quantitative analysis of biological fluids such as blood, serum or plasma, urine, or tissues for specific chemical constituents or physiologic processes. These facilities are also applied in research to create new diagnostic clinical laboratory tests to identify or monitor disease, disease processes, or treatment of disease.

### FOOD INNOVATION CENTRE

An inter-disciplinary platform which offers both scientific, technical and potential business development services under one roof. The purpose of the Food Innovation Centre is to enhance value throughout the food production process, from ideation to market support. This Centre houses a state-of-the art sensory lab, cook-chill production centre, analytical lab and R&D kitchen.



FOOD PROCESSING LAB



CHEMICAL ANALYSIS LAB



MICROBIOLOGY LAB





PROTEOMICS & GENOMICS LAB



FOOD SCIENCE LAB



SENSORY LAB



PHYSIOLOGY & PHARMACOLOGY LAB



I had a wonderful learning experience online during the pandemic and through physical classes. Studying at Taylor's gave me exposure to abundant lab facilities and mentoring by experienced lecturers. Their support and encouragement have prepared me to be skilled and ready for the professional working environment.

**Suzanne Yong Shu Wen**  
Bachelor of Biotechnology (Honours)



# TAYLOR'S URBAN FARM

Taylor's Urban Farm, serves as a 3000 sq ft living laboratory and urban green space where students and staff can actively engage in innovative research, development, and entrepreneurial ventures focused on food security, sustainability, and technology. Together, we embark on a transformative journey towards a more resilient and sustainable future for our food system.





## 5-KEY ELEMENTS OF TAYLOR'S URBAN FARM



### **LIVING LAB**

where students engage in hands-on study and conduct practical classes



### **INNOVATIVE HUB**

for the next generation of Agriculture



### **FARM TO TABLE**

provide fresh produce direct from farm to Taylor's Culinary Kitchen



### **PRODUCTION HOUSE**

capable of cultivating various crops, including medicinal herbs



### **RESEARCH**

able to conduct hydroponic research directing in the farm

## CUTTING-EDGE FARMING TECHNOLOGY



### **AUTOMATED FERTIGATION**

(IoT) Nido One system automatically control and detect factors in the hydroponics system



### **GROWBED, VERTICAL TOWERS**

maximizing space, maximizing growth



### **AUTOPOTS**

passive plant-driven system that adjusts nutrient-rich water level automatically







Mac Lab



## TAYLOR'S LAKESIDE CAMPUS

Flexible learning spaces

### EXTENSIVE LEARNING SPACES

- X - Space
- Science Lab
- Mac Lab
- Library
- Computer Lab

### HOLISTIC STUDENT SERVICES

- Career Services Centre
- Sick Bay
- Counseling and Psychological Services Centre
- U-Residence

### TOP QUALITY FACILITIES

- Study room
- The Grand Hall
- Lecture Theatre
- Sports and Recreation Centre
- Student Life Centre
- UniGym



Sick Bay



U-Residence



X - Space



Student Life Centre



UniGym



Lecture Theatre

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# AWARDS & RECOGNITION

2022



**INNOVATIVE URBAN FARMING COMPETITION 2022**  
**ACADEMY OF TROPICAL AGRICULTURAL SCIENCES**  
**ASSOCIATION (ATAS) IN COLLABORATION WITH**  
**THOUGHT FOR FOOD (TFF) FOUNDATION.**

**GOLD & SILVER AWARD**

*Kelvin Liew Chen Hau (final year Biotechnology)*

*impressed the judges with his innovation on Taylor's*  
*Fruit Garden (GOLD AWARD)*

*Muhammad Elias and his team (Sem 3 BT student)*

*wowed the committee with their unique hydroponics*  
*M8 systems (SILVER AWARD)*



**12<sup>TH</sup> MALAYSIAN SYMPOSIUM OF BIOMEDICAL**  
**SCIENCE (MYSYMBIOS)**

*BioMed KL Association*

**OUTSTANDING STUDENT PRESENTATION AWARD**  
**2022**

**1<sup>ST</sup> RUNNER UP**

*Ms Lee Sin Jye*

**BEST POSTER COMPETITION CATEGORY**

**1<sup>ST</sup> PRIZE**

*Mr Chai Ming En*

**RESEARCH PROPOSAL PITCH COMPETITION**

**3<sup>RD</sup> PRIZE**

*Ms Celine Canilia Loo Yan Mei and Ms Liaw Zhi Xuan*



**TAYLOR'S INNOFEST 2021 (AWARDED IN 2022)**

**BEST PRODUCT PROTOTYPE**

*Creation: Plant Based ChicGo Chickpea Frozen*  
*Dessert Bar*

*Serafina Liew Yeng Hsing, Chia Wei Yan, Koh Sze Hui,*  
*Lin Qushuo, and Neo Jia Wen (sem 5 Food Science*  
*students)*

2021



**ASTRAZENECA PROJECT IDEAS CHALLENGE**  
**2<sup>ND</sup> PLACE**

*Creation: MyKesihatan app*

*Lester Soon Chee Haw (Biotechnology)*



**NESTLÉ: CONQUER THE NEST CHALLENGE!**  
**2021 (NATIONAL)**

**1<sup>ST</sup> PLACE**

*Multi-disciplinary team: Miss Teoh Zhi Ling*  
*(Biotechnology),*

*Mr Nyioh Chin Meng (A-Levels Alumni) and Mr*  
*Nagaraju (Chemical Engineering).*

*Winners were entitled to an internship with*  
*NESTLÉ, lunch meeting with CEO of NESTLÉ*  
*MY/SG, E-Certificates and NESTLÉ goodies.*



**CODE FOR HEALTH RESEARCH HACKATHON**  
**2<sup>ND</sup> PLACE**

*Onn Sze Mun (Biotechnology-Taylor's) and*  
*undergrads from USM and UKM*

*Pitched innovative application that recognises*  
*skin diseases and provides medication*  
*recommendations.*



**ARTIFICIAL INTELLIGENCE FOR DIGITAL**  
**PATHOLOGY (AI4DP)**  
**HEALTHAI**

**PEOPLE'S CHOICE AWARD**

*Mr Tan Hao Dong (Biomedical Science)*

*Team's invention 'iProctechtor' that comprises*  
*biodata tracking and automated medication*  
*dispensers.*

**TEAM'S INNOVATION 'DIAGNMON HEALTH**  
**APP' WHICH IS AN AI-BASED HEALTH**  
**ASSESSMENT AND MOBILE APPLICATION**

**3<sup>RD</sup> PLACE**

*Ms Maevy Yeo Jia Chi (Biomedical Student)*





**31<sup>ST</sup> INTERVARSITY BIOCHEMISTRY SEMINAR  
BEST POSTER AWARD**

*Ms Tung Jean Lin (Biomedical Science)*



**11<sup>TH</sup> MALAYSIAN E-SYMPOSIUM OF BIOMEDICAL  
SCIENCE (MYSYMBIOS)**

**BEST POSTER PRESENTATION**

**1<sup>ST</sup> PLACE**

*Ms Yong Seow Ann*

**2<sup>ND</sup> PLACE**

*Ms Woo Xuen Wei*

**3<sup>RD</sup> PLACE**

*Ms Cheryl Phuah Khye Shin and Ms Ang Jing Jie*



**12<sup>TH</sup> THE MALAYSIAN INSTITUTE OF FOOD TECHNOLOGY  
(MIFT) 2021**

**FOOD BOWL QUIZ**

**1<sup>ST</sup> PLACE**

*Kevin Chong Yee Khen, Ho Pei Sun, Yap Shan Li, and  
Gan Caxin.*

**2<sup>ND</sup> PLACE**

*Lim Jia Xin, Cheng Kar Mun, Lai Shu Ning, Divashini Reedy*

**TOP SCORER**

*Kevin Chong Yee Khen*



**ORATORY CATEGORY**

**1<sup>ST</sup> RUNNER-UP**

*Reshma Menon (Food Science)*

**2nd RUNNER-UP**

Oratory Category 11th Malaysian Institute of Food  
Technology (MIFT) Competition



### 1<sup>ST</sup> RUNNER-UP

(Ideathon Category) NASA Space App Challenge  
organised by Unlock Design, Japan and NASA, USA

### 3<sup>RD</sup> RUNNER-UP

HUAWEI ICT Competition Malaysia

2020



11<sup>TH</sup> MALAYSIAN INSTITUTE OF FOOD TECHNOLOGY  
(MIFT) 2020

BEST STUDENT AWARD

Miss Lim Jia Xin (Food Science)

2019



FOOD PRODUCT DEVELOPMENT CATEGORY 2019 11<sup>TH</sup>  
THE MALAYSIAN INSTITUTE OF FOOD TECHNOLOGY  
(MIFT) COMPETITION

NATIONAL CHAMPION

Winning Product: Jackie Jackfruit Rag Cookies



ORATORY CATEGORY 11<sup>TH</sup> MALAYSIAN INSTITUTE OF  
FOOD TECHNOLOGY (MIFT) COMPETITION

2<sup>ND</sup> RUNNER-UP

Zachary Sean Sia



NATIONAL CHAMPION





**2018**



**FOOD PRODUCT DEVELOPMENT 2018 NATIONAL  
FOOD PRODUCT DEVELOPMENT COMPETITION,  
UITM SHAH ALAM**

**GOLD**

Winning Product: Cal-T Vegan Patties



**FOOD PRODUCT DEVELOPMENT 2018 NATIONAL  
FOOD PRODUCT DEVELOPMENT COMPETITION,  
UITM SHAH ALAM**

**GOLD**

Winning Product: Renergy Red Rice Cookies



**FOOD PRODUCT DEVELOPMENT COMPETITION  
INTERNATIONAL FOOD INNOVATION & PRODUCT  
DEVELOPMENT (IFIPD 2018)**

**BRONZE**

Winning Product: Legume-based Breakfast Cereal



**FOOD PRODUCT DEVELOPMENT COMPETITION  
INTERNATIONAL FOOD INNOVATION & PRODUCT  
DEVELOPMENT (IFIPD 2018)**

**BRONZE**

Winning Product: Instant Vegetarian Porridge



# GLOBAL CONNECTIONS



**OVER 200**  
UNIVERSITY PARTNERS

**LEADERS**  
IN THE  
GLOBAL  
COMMUNITY

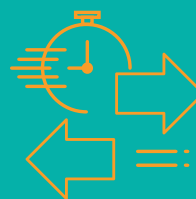


**STUDENT EXCHANGE**

Taylor's is strongly committed to its mission of empowering the youth of the world through education, so that they may take their productive places as leaders in the global community.

As one of Malaysia's oldest, most successful and reputable private education institutions, Taylor's provides quality education and exposes students to the vast possibilities that await them beyond the classroom walls.

**SHORT TERM MOBILITY**



Through its partnerships with international universities and industry members, Taylor's is committed to providing an outstanding educational experience, guiding and helping students realise their potential to obtain a world-class qualification that meets the requirements of a dynamic, global marketplace.

# GLOBAL EXCHANGE EXPERIENCES

SCAN TO  
LEARN MORE

Are you eager to become a global citizen, broaden your horizons, and enrich your international perspective? Taylor's Global Mobility Programme provides students with the opportunity to widen their international exposure allowing students to gain new knowledge and skills in an area that is of interest to them thus benefiting from a multi-disciplinary learning environment and give their Taylor's degree an international edge.



## TAYLOR'SPHERE CONNECTIONS & SUPPORT

### RESEARCH AND TECHNOLOGY INNOVATION

Taylor's University has a firm footing in research and technology innovation as we believe these efforts will contribute towards knowledge building and assist in the development of the industry and society at large now and for the future. We adopt a progressive outlook, embedding research components throughout our programmes and encouraging them at various levels in each faculty.

OUR RESEARCH CENTRES PLAY A CRUCIAL ROLE IN ELEVATING THE CAPABILITIES OF OUR FACULTY MEMBERS THROUGH VARIOUS TRAINING ACTIVITIES AND TECHNOLOGY, MAKING US WORLD-CLASS.



# BACHELOR OF BIOMEDICAL SCIENCE (HONOURS)

3.5-Year  
Programme

KPT/JPS (R2/720/6/0089) (MQA/FA0484) 05/26

## INTAKES: FEBRUARY, APRIL & SEPTEMBER

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.

### Primary Core

#### Year 1

- Basic Anatomy with Histology and Hematology
- Basic Pharmacology and Toxicology with Health Informatics
- Introduction to Microbiology
- Principles of Biochemistry
- Human Physiology
- Advanced Pharmacology
- Clinical Chemistry
- Human Pathology
- Instrumentation in Medical Diagnostic, Laboratory Science and Blood Banking

#### Year 2

- Medical Parasitology
- Medical Microbiology
- Immunology
- Applications of Bioinformatics
- Clinical Genetics
- Biomedical Practicum (Hospital Attachment module)

#### Year 3

- Research and Laboratory Management
- Research Project
- Nutritional Biochemistry
- Applied Nutrition
- Community Nutrition
- Epidemiology, Public Health and Bioethics, Biostatistics
- *Industrial Training*

104 Credit Hours



### University Core

- Social Innovation Project
- Falsafah dan Isu Semasa
- Emotional Intelligence in Action
- Kursus Integriti dan Antirasuah
- Penghayatan Etika dan Peradaban / Bahasa Melayu Komunikasi 2

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

12 Credit Hours

### Flexible Studies

Choose ONE (1) of the below packages:

#### Minor

##### Recommended Packages:

- Mass Communication
- Education
- Journalism
- Event Management
- International Business
- Management
- Marketing
- Finance
- Psychology
- Pharmaceutical Industry Practice

*Choose any Minor package\* offered by Taylor's University.  
Refer to the Flexible Education Guide for the list of Minor packages.*

or

#### Free Electives

*Choose any FIVE (5) Free Electives\* offered by Taylor's University.  
Refer to the Flexible Education Guide for the list of Free Electives.*

*\*Subject to availability*

*\*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)



# TEACHING & LEARNING SUPPORT



## TEACHING & EDUCATIONAL DEVELOPMENT (TED)

Teaching and Educational Development (TED) at Centre For Future Learning is an award-winning department that supports the work of academic staff to create excellence in teaching through practice, development, and innovation.

TED offers workshops and seminars that address a range of timely topics associated with teaching, learning and technology in higher education.



## E-LEARNING ACADEMY (eLA)

eLA's task is to help our academic staff effectively implement the use of technology in ensuring our students learning journey is seamless enabling them to learn in a collaborative, self-directed and personalised manner, anytime and anywhere.

Academics are recommended to utilise technology and tools such as ReWIND videos, Zoom, Microsoft Teams meeting, Google Classroom, Screencast-O-Matic, to name a few.

Despite the unprecedented challenges, eLA is here to support Taylor's academics and students to continuously learn and teach via online modalities.



## ACADEMIC ADVISORY

Centre for Academic Programme Management (CAPM) works with all academic faculties in providing necessary academic support to students so as to ensure they graduate on time. CAPM has mechanisms in place to keep track of students and intervene where need be.

FLAME (First Year Learning and Mentoring) is Taylor's signature mentoring programme developed to assist newly enrolled First-Year students to settle into University & College life and study, gearing them towards achieving their personal learning goals.





**TAYLOR'S  
UNIVERSITY**

Wisdom · Integrity · Excellence

**Rise With The Best™**

*Where our community is our strength*

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