



FACULTY OF

APPLIED SCIENCES

2020

BEYOND EDUCATION



TARUIC

KOLEJ UNIVERSITI TUNKU ABDUL RAHMAN DKU023(W)

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TARC
TUNKU ABDUL RAHMAN
UNIVERSITY COLLEGE

The **Faculty of Applied Sciences ('FOAS')** currently offers programmes at Diploma, Bachelor, Master and PhD's levels. The faculty has a range of science laboratories and facilities to support the programmes. Apart from running academic programmes, the faculty is active in research activities and has close relationships with the industry via industry-academia collaborative projects.

What Our Graduates Say

Loh Zi Xuan



Bachelor of Science (Hons) in Sports and Exercise Science - TAR UC

Bachelor of Science Major in Sports and Exercise Science (Dual Award Degree) - Campbell University, USA

Year Graduated: 2019

I deeply appreciate the opportunity to study the Diploma in Sport and Exercise Science programme, and also the Bachelor of Science (Hons) in Sports and Exercise Science programme at TAR UC. TAR UC sport science lecturers are helpful and knowledgeable. The sport lab facilities in TAR UC are also great. Taking the Dual Award Degree Programme with Campbell University has also helped me to develop my time management skills academically and personally. The dual award has also built my self-confidence to face future challenges.

Michelle Lee Li Yen



Bachelor of Science (Hons) in Analytical Chemistry - TAR UC

Bachelor of Science Major in Analytical Chemistry (Dual Award Degree) - Campbell University, USA

Year Graduated: 2019

Studying in TAR UC has taught me not only academic knowledge, but also to seize opportunities that can develop our personal skills, broaden our perspectives and expand our network. Having enrolled in the Dual Award Degree Programme with Campbell University has given me more future opportunities while also allowing me to learn the importance of time management and how to work under pressure. I am also greatly indebted to the very dedicated and helpful lecturers whom I met in TAR UC who are always ready to provide guidance and share their knowledge with their students.

Foong Ker Shin



Bachelor of Science (Hons) in Bioscience with Chemistry - TAR UC

Bachelor of Science Major in Bioscience with Chemistry (Dual Award Degree) - Campbell University, USA

Year Graduated: 2019

I always feel blessed as a TARCian for the past three years. In TAR UC, things that I learnt were far more than I expected. Apart from knowledge in the syllabus, I have also learned life skills that will help me in my working life. I am glad that I could successfully complete the Campbell University Dual Award Programme, and the challenges that I overcome has made me a stronger person.

Why Study at the Faculty of Applied Sciences

The laboratories are well-equipped with modern facilities and state-of-the-art equipments.

1

A variety of programmes that provide differentiation to suit the diverse interest and needs of students.

2

Dedicated and qualified academic staff who are committed to their role in providing education to students.

3

Close link with industry partners and scientific institutions.

4

Holistic education that instills strong technical and scientific skills as well as personal and character development.

5

Wide range of alternative progression routes for further studies, both locally as well as overseas.

6

Industrial training which provides students with real-world experience and enhances employment prospects.

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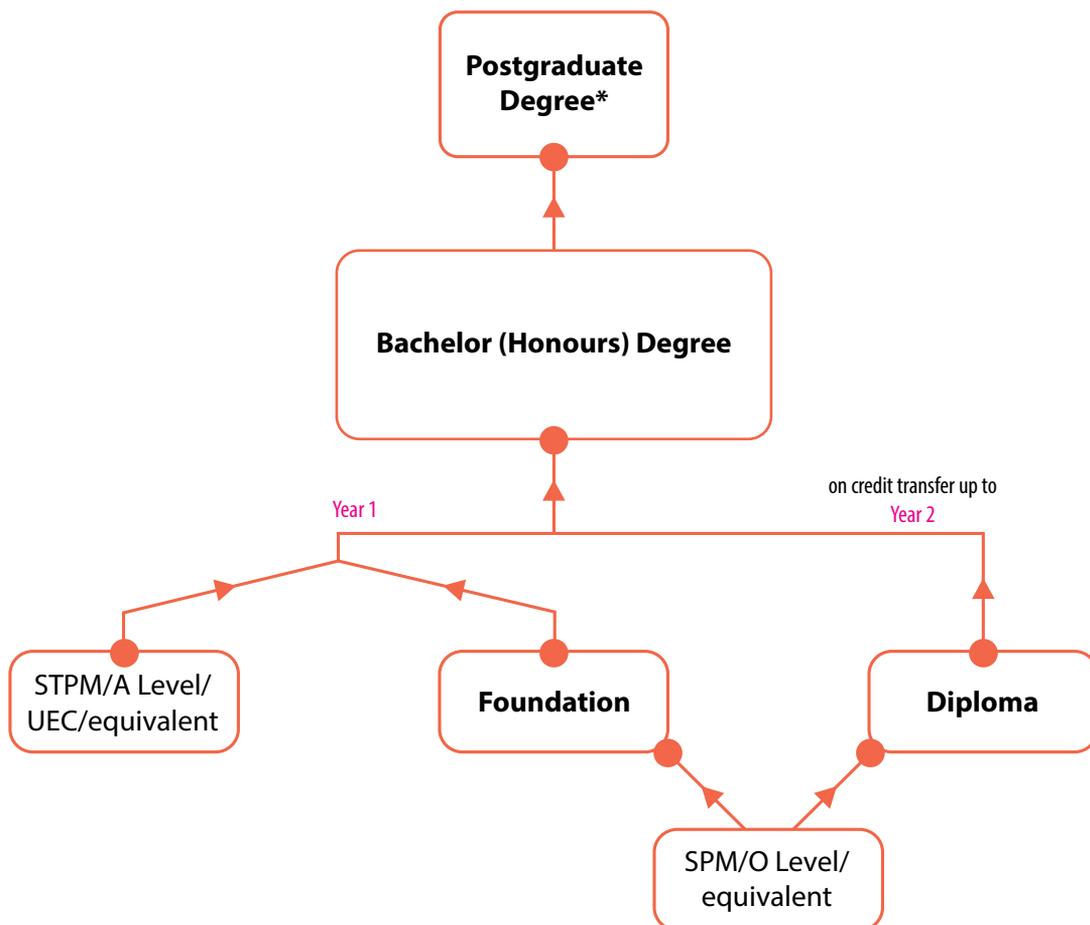
The Faculty of Applied Sciences is ISO 9001:2015 Certified

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CERTIFIED TO ISO 9001:2015
CERT. NO. : MY-QMS 02847

General Progression Route



* The Faculty of Applied Sciences offers the following postgraduate programmes:

- *Master of Science* (N/440/7/0027)(04/21)(MQA/PA8115)
- *Master of Science (Life Science)* (N/420/7/0006)(05/21)(MQA/FA8464)
- *Master of Science (Food Science)* (N/541/7/0036)(11/25)(MQA/PA10036)
- *Master of Science in Sport Science* (N/813/7/0021)(04/26)(MQA/PA10035)
- *Doctor of Philosophy (Life Sciences)* (N/420/8/0025)(10/25)(MQA/PA10038)
- *Doctor of Philosophy (Physical Science)* (N/440/8/0051)(03/26)(MQA/PA10037)
- *Doctor of Philosophy (Sports Science)* (N/813/8/0021)(03/26)(MQA/PA10731)

Intakes



Programmes Offered

Foundation (1 Year) → Bachelor Degree (3 Years)

➤ Foundation in Science
(Track A) **KL**

➤ Bachelor of Science (Honours)
in Applied Physics
(Instrumentation) **KL**

➤ Foundation in Science
(Track B) **KL**

➤ Bachelor of Science (Honours)
in Bioscience with Chemistry **KL**

➤ Foundation in Science
(Track A/Track B) **KL**

➤ Bachelor of Science (Honours) in
Sports and Exercise Science **KL**

➤ Bachelor of Science (Honours)
in Analytical Chemistry **KL**

➤ Bachelor of Science (Honours) in
Food Science **KL**

■ **KL** - Kuala Lumpur Main Campus



Programmes Offered

Diploma (2 Years)	on credit transfer up to Year 2 →	Bachelor Degree (3 Years)
<ul style="list-style-type: none"> ➤ Diploma in Science (Chemistry and Biology) KL 		<ul style="list-style-type: none"> ➤ Bachelor of Science (Honours) in Analytical Chemistry KL ➤ Bachelor of Science (Honours) in Bioscience with Chemistry KL
<ul style="list-style-type: none"> ➤ Diploma in Food Science KL 		<ul style="list-style-type: none"> ➤ Bachelor of Science (Honours) in Food Science KL
<ul style="list-style-type: none"> ➤ Diploma in Sport and Exercise Science KL 		<ul style="list-style-type: none"> ➤ Bachelor of Science (Honours) in Sports and Exercise Science KL
<ul style="list-style-type: none"> ➤ – 		<ul style="list-style-type: none"> Bachelor of Science (Honours) in Applied Physics (Instrumentation) KL
<ul style="list-style-type: none"> ➤ Diploma in Aquaculture JH 		<ul style="list-style-type: none"> –

■ **KL** - Kuala Lumpur Main Campus

■ **JH** - Johor Branch Campus



Analytical Chemistry

Analytical chemistry is the study of the separation, identification, and quantification of the chemical components of natural and artificial materials. Qualitative analysis gives an indication of the identity of the chemical species in the sample while quantitative analysis determines the amount of one or more of these components. The separation of components is often performed prior to analysis. Analytical chemistry also focuses on improvements in experimental design, chemometrics, and the creation of new measurement tools to provide better chemical information. Analytical chemistry has applications in forensics, bioanalysis, clinical analysis, environmental analysis and materials analysis. As a scientific field which has such great diversity in its application, students trained in this programme will surely be in great demand in the chemical related industries.

The Analytical Chemistry programme prepares graduates with the foundation to use their knowledge of chemistry, instrumentation, computer, and statistics to solve problems in

almost all areas of chemistry and for all kinds of industries. For example, their measurements are used to assure the safety and quality of food, pharmaceuticals, and water; to assure compliance with environmental and other regulations; to support the legal process; to help physicians diagnose diseases; and to provide measurements and documentation essential to trade and commerce.

This programme equips students with technical knowledge of analytical chemistry. The students will also be made aware of international standards that bound them to the society and industry. They will have an opportunity to work with industry through their internship and to carry out a real-life research project on analytical chemistry. All such training will add value to their qualification and later to their employment opportunities.

This programme is endorsed by Institut Kimia Malaysia (IKM). Graduates of this programme can join IKM as a member and hence recognised as a 'Registered Chemist' in Malaysia.

Career Prospects

- Research Scientists
- Analytical Chemists in commercial labs
- Quality Control/Assurance Chemists
- Laboratory Supervisors
- Product Chemists (Analytical Instrumentation)
- Occupational Health and Safety Specialists
- Environmental Impact Assessment (EIA) Officers (Chemistry aspect)
- Product Development Chemists (pharmaceutical area, food industry, cosmetic industry, polymer industry, etc)
- Product Specialists

Level & Campus

Bachelor of Science (Honours) in Analytical Chemistry - 3 years

- **KL** (R/442/6/0004)(09/23)(MQA/FA3924)



Bioscience with Chemistry

This programme equips students with an in-depth understanding of the core principles and methodologies underlying current biotechnological research, thus, able to pursue careers in bioscience and biotechnology either in industry or academic research. In this programme, students are able to develop the transferable qualities and skills required for employment or research in the biosciences sector. Bioscience students are not only trained in laboratory and research skills but also in relevant business and entrepreneurial skills. Students will have an opportunity to work with industry through their internship and to carry out a real-life research project in bioscience area. All such training will add value to their qualification and benefit their employment.

This programme is endorsed by Institut Kimia Malaysia (IKM). Graduates of this programme can join IKM as a member and hence recognised as a 'Registered Chemist' in Malaysia.

Career Prospects

- Research Scientists
- Chemists
- Quality Control/Assurance Executives
- Marketing & Sales Executives
- Life Science Technologists
- Biochemists
- Microbiologists
- Life Sciences Product Specialists
- Biotechnologists
- Occupational Health & Safety Specialists
- Environmentalists

Level & Campus

Bachelor of Science (Honours) in Bioscience with Chemistry - 3 years

- **KL** (R/421/6/0017)(10/23)(MQA/FA3921)

■ **KL** - Kuala Lumpur Main Campus



Chemistry and Biology

The programme syllabus covers a broad spectrum of topics which include environmental chemistry & technology, electrochemistry, industrial organic chemistry, thermodynamics, stereochemistry, material science, biotechnology, biochemistry, genetics, physiology, microbiology and immunology. Trainings in various advanced techniques and instrumentation such as GC, AAS, UV-VIS spectroscopy, centrifugation, electrophoresis, DNA recombination technology and serological methods are also included.

Career Prospects

- Clinical Lab Technologists
- Laboratory Supervisors
- Production Technicians
- Quality Controllers
- Product Specialists
- Research Assistants
- Quality Assurance Technologists
- Sales Executives

Level & Campus

Diploma in Science (Chemistry and Biology) - 2 years

- **KL** (R/421/4/0015)(08/23)(AA0106)



■ **KL** - Kuala Lumpur Main Campus



Applied Physics (Instrumentation)

This programme equips students with the knowledge in physics and instrumentations and operational technical skill, which would lay the foundation for applications in various industrial areas. Students will go through training in the applications of physics and instrumentations, computer simulations, designing virtual instruments using Labview and handling advanced equipment such as thermal evaporator and atomic force microscope. This programme would lay the foundation for future applied physics innovators in material sciences, instrumentations, biomedical and healthcare equipment designers.

Academically, this programme has adequate coverage in its core physics contents, and graduates are well prepared to continue their post-graduate studies in physics, locally or overseas. Additionally, they can also pursue post-graduate studies in cross-disciplinary fields such as nanoscience, biophysics, chemical physics, medical physics and geophysics.

Industries employing physicists are varied:

- Aerospace & Defence
- Education
- Energy
- Engineering
- Instrumentation
- Manufacturing
- Oil and Gas
- Science & Telecommunications

Career Prospects

- Research & Development personnel
- Semiconductor Test Engineers
- Semiconductor Design Engineers
- Instrumentation Engineers
- Biomedical Devices Engineers

Level & Campus

Bachelor of Science (Honours) in
Applied Physics (Instrumentation) - 3 years

- **KL** (R/545/6/0028)(10/23)(MQA/FA3922)

■ **KL** - Kuala Lumpur Main Campus



Food Science

The Food Science programme aims to produce qualified graduates with a broad-based knowledge in the related subject areas and well-trained graduates who can use scientific methods when developing and evaluating food science-related theories. Graduates of this programme, therefore, will have developed a range of skills which enable them to occupy production and managerial positions within food production plants as well as within consulting laboratories, government organisations and regulatory bodies.

Graduates may also function as the intermediary between the company and the public. The programme also aims to prepare technically competent graduates to venture into entrepreneurship in food industry.

Career Prospects

- Food Researchers/Research Assistants
- Quality Control/Assurance Executives
- Industrial/Retail Buyers
- Application Technologists
- Food Product Development Personnel
- Marketing & Sales Executives
- Food Technologists
- Food Chemists
- Nutrition Executives/Nutrition Personnel
- Food Services Executives/Food Services Personnel
- Food Microbiologists
- Food Product Advisors/Specialists

Level & Campus

Bachelor of Science (Honours) in
Food Science - 3 years

- **KL** (R/541/6/0019)(10/23) (MQA/FA3923)

Diploma in Food Science - 2 years

- **KL** (R/541/4/0021)(06/24)(MQA/FA1070)

■ **KL** - Kuala Lumpur Main Campus



Sports and Exercise Science

The Sports and Exercise Science programme provides the basis for understanding of academic contents related to sport and exercise settings. The programme is based on the application of scientific principles and interdisciplinary approaches. Students will be equipped with both theoretical and practical knowledge. To provide holistic theoretical base, students are exposed to exercise physiology, motor behavior, sport and exercise psychology, sport sociology, biomechanics, sport coaching, sport nutrition, sport for special population, health and wellness, research methods, testing and measurement, as well as sport management, marketing and entrepreneurship. The students' practical skills are enhanced through practical approaches of some of the subjects and the inclusion of numerous sport skills which emphasised on the practical aspects.

This programme is relevant in the current development as market for sport, exercise and recreation is expanding in view of increasing leisure time, rising income and greater awareness of the benefits of sport, exercise and recreation. The expanding market provides increasing opportunities for employment in sport, exercise and recreation organisations. In addition, the internship programme provides additional edge to the students in seeking employment in the chosen sector.

Career Prospects

- Sport Scientists
- Sport Therapists
- Strength and Conditioning Coaches
- Sports Coaches
- Sport Physiologists
- Sport Biomechanists
- Sport and Exercise Psychologists
- Health Promotion Specialists
- Sports Development Officers
- Sport Administrators
- Health & Lifestyle Consultants
- Physical Education Teachers
- Event Management Executives
- Fitness Trainers
- Sport Entrepreneurs
- Personal Trainers

Level & Campus

Bachelor of Science (Honours) in
Sports and Exercise Science - 3 years

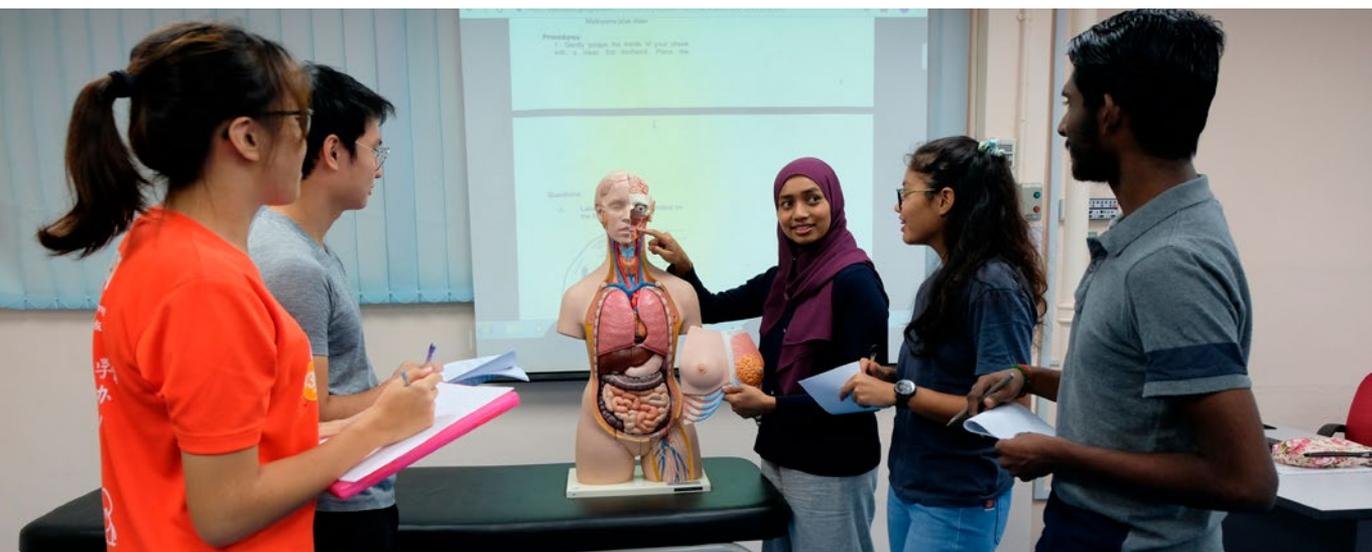
- **KL** (R/813/6/0022)(10/23)(MQA/FA3920)

Diploma in Sport and Exercise Science - 2 years

- **KL** (R/813/4/0021)(08/23)(AA0116)



■ **KL** - Kuala Lumpur Main Campus



Aquaculture

This programme provides students with the scientific knowledge and skills in aquaculture and forms a link for those who wish to embark on a career in aquaculture industries. The programme covers a wide range of topics in aquaculture setup, water quality, system preparation, feed and nutrition, seed production and nursery, harvesting, aquaponics etc.

This programme also offers hands-on practices, fieldwork, industrial training and prepares graduates with aquaculture skills and techniques, as well as analytical skills in laboratories, leading to the professionalism in the area of aquaculture. Students will also be taught the fundamental of business and entrepreneurship to help them venture in aquaculture industries.

Career Prospects

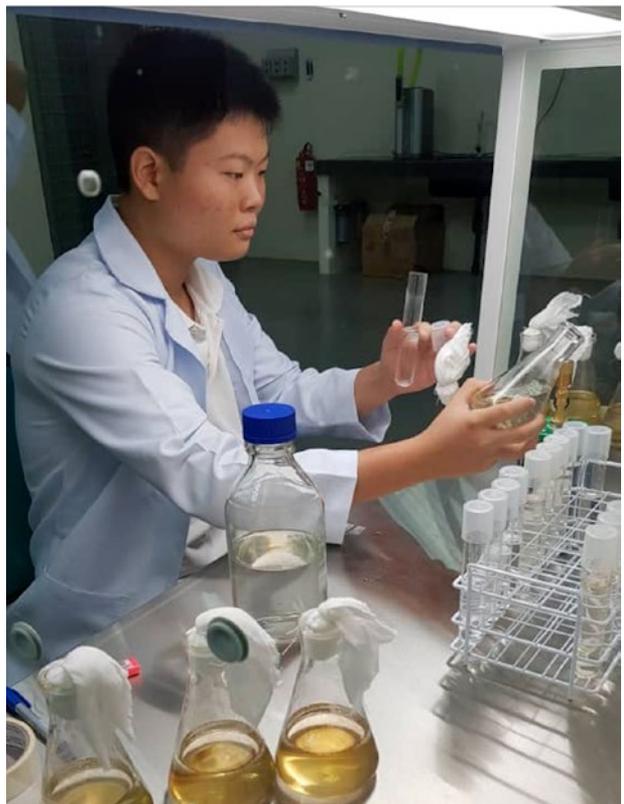
- Sales & Technical
- Hatchery Technicians
- Farm Technicians
- Laboratory Technicians

Level & Campus

Diploma in Aquaculture - 2 years

- **JH** (N/624/4/0002)(04/21)(MQA/FA7567)

■ **JH** - Johor Branch Campus



Bachelor Degree Entry Requirements

	STPM	A Level	SAM	UEC	TAR UC	Other IHL
Bachelor of Science (Honours) in Bioscience with Chemistry	Grade C in Biology and Chemistry	Grade D in Biology and Chemistry	ATAR 70 and minimum Grade B in Biology and Chemistry	Grade B in 5 relevant subjects which must include Biology and Chemistry	<ul style="list-style-type: none"> Foundation in Science (Track B) OR <ul style="list-style-type: none"> Diploma in Science (Chemistry & Biology) 	Relevant Foundation/ Diploma accredited by MQA
	AND SPM Pass/O Level Grade E (Pass) in Mathematics^{##}/UEC Grade C in one mathematics subject^{##} AND SPM Pass/O Level Grade E (Pass)/UEC Grade C in English Language^{**}					
Bachelor of Science (Honours) in Analytical Chemistry	Grade C in 2 relevant subjects which must include Chemistry	Grade D in 2 relevant subjects which must include Chemistry	ATAR 70 and minimum Grade B in 2 relevant subjects which must include Chemistry	Grade B in 5 relevant subjects which must include Chemistry	<ul style="list-style-type: none"> Foundation in Science (Track A/Track B) OR <ul style="list-style-type: none"> Diploma in Science (Chemistry & Biology) 	Relevant Foundation/ Diploma accredited by MQA
	AND SPM Pass/O Level Grade E (Pass) in Mathematics^{##}/UEC Grade C in one mathematics subject^{##} AND SPM Pass/O Level Grade E (Pass)/UEC Grade C in English Language^{**}					
Bachelor of Science (Honours) in Applied Physics (Instrumentation)	Grade C in 2 relevant subjects which must include Physics	Grade D in 2 relevant subjects which must include Physics	ATAR 70 and minimum Grade B in 2 relevant subjects which must include Physics	Grade B in 5 relevant subjects which must include Physics	<ul style="list-style-type: none"> Foundation in Science (Track A) 	Relevant Foundation/ Diploma accredited by MQA
	AND SPM Pass/O Level Grade E (Pass) in Mathematics^{##}/UEC Grade C in one mathematics subject^{##} AND SPM Pass/O Level Grade E (Pass)/UEC Grade C in English Language^{**}					

**** Grade C and above in AELE0364 English Language conducted by TAR UC is accepted as having fulfilled the English Language requirement for applicants who fail English Language at SPM/O Level/UEC.**

Grade C and above in AMMS0104 General Mathematics conducted by TAR UC is accepted as having fulfilled the Mathematics requirement for applicants who fail the required mathematics subject at SPM/O Level/UEC.

Note:

- SPM holders must have at least a pass in Bahasa Melayu and SPM holders from Year 2013 onwards must have at least a pass in Sejarah.
- Students without a credit in SPM Bahasa Melayu are required to pass Bahasa Kebangsaan A before the award of Bachelor Degree.
- TAR UC Diploma will be accepted on credit transfer into Bachelor Degree programmes.
- Equivalent qualifications/qualifications from other Institution of Higher Learning (IHL) will be considered on a case-by-case basis.
- Information is correct at the point of printing. Subject to the Ministry of Education latest requirements.

Bachelor Degree Entry Requirements

	STPM	A Level	SAM	UEC	TAR UC	Other IHL
Bachelor of Science (Honours) in Sports and Exercise Science	Grade C in 2 relevant subjects	Grade D in 2 relevant subjects	ATAR 70 and minimum Grade B in 2 relevant subjects	Grade B in 5 relevant subjects	<ul style="list-style-type: none"> Foundation in Science (Track A/Track B) OR <ul style="list-style-type: none"> Diploma in Sport & Exercise Science 	Relevant Foundation/ Diploma accredited by MQA
	AND SPM Pass/O Level Grade E (Pass) in Mathematics^{##}/UEC Grade C in one mathematics subject^{##} AND SPM Pass/O Level Grade E (Pass)/UEC Grade C in English Language^{**}					
Bachelor of Science (Honours) in Food Science	Grade C in 2 relevant subjects which must include Chemistry	Grade D in 2 relevant subjects which must include Chemistry	ATAR 70 and minimum Grade B in 2 relevant subjects which must include Chemistry	Grade B in 5 relevant subjects which must include Chemistry	<ul style="list-style-type: none"> Foundation in Science (Track A/Track B) OR <ul style="list-style-type: none"> Diploma in Food Science 	Relevant Foundation/ Diploma accredited by MQA
	AND SPM Pass/O Level Grade E (Pass) in Mathematics^{##}/UEC Grade C in one mathematics subject^{##} AND SPM Pass/O Level Grade E (Pass)/UEC Grade C in English Language^{**}					

**** Grade C and above in AELE0364 English Language conducted by TAR UC is accepted as having fulfilled the English Language requirement for applicants who fail English Language at SPM/O Level/UEC.**

Grade C and above in AMMS0104 General Mathematics conducted by TAR UC is accepted as having fulfilled the Mathematics requirement for applicants who fail the required mathematics subject at SPM/O Level/UEC.

Note:

- SPM holders must have at least a pass in Bahasa Melayu and SPM holders from Year 2013 onwards must have at least a pass in Sejarah.
- Students without a credit in SPM Bahasa Melayu are required to pass Bahasa Kebangsaan A before the award of Bachelor Degree.
- TAR UC Diploma will be accepted on credit transfer into Bachelor Degree programmes.
- Equivalent qualifications/qualifications from other Institution of Higher Learning (IHL) will be considered on a case-by-case basis.
- Information is correct at the point of printing. Subject to the Ministry of Education latest requirements.

Diploma Entry Requirements

	SPM	O Level	UEC	Certificate
Diploma in Science (Chemistry and Biology)	3 Credits in the relevant subjects	3 Grade C in the relevant subjects	3 Grade B in the relevant subjects	Relevant Certificate accredited by MQA
	Compulsory subjects: (i) SPM Credit/O Level Grade C/ UEC Grade B in Biology AND Chemistry (ii) SPM Pass /O Level Grade E (Pass) in Mathematics ^{##} / UEC Grade C in Advanced Mathematics (I or II) ^{##} (iii) SPM Pass/O Level Grade E (Pass)/ UEC Grade C in English Language ^{**}			
Diploma in Sport and Exercise Science	3 Credits in the relevant subjects	3 Grade C in the relevant subjects	3 Grade B in the relevant subjects	Relevant Certificate accredited by MQA
	Compulsory subjects: (i) SPM Pass/O Level Grade E (Pass) in Mathematics ^{##} / UEC Grade C in one mathematics subject ^{##} (ii) SPM Pass/O Level Grade E (Pass)/ UEC Grade C in one relevant science subject AND English Language ^{**}			

^{**}Grade C and above in AELE0364 English Language conducted by TAR UC is accepted as having fulfilled the English Language requirement for applicants who fail English Language at SPM/O Level/UEC.

^{##} Grade C and above in AMMS0104 General Mathematics conducted by TAR UC is accepted as having fulfilled the mathematics requirement for applicants who fail the required mathematics subject at SPM/O Level/UEC.

Note:

- SPM holders must have at least a pass in Bahasa Melayu and SPM holders from Year 2013 onwards must have at least a pass in Sejarah.
- Students without a credit in SPM Bahasa Melayu are required to pass Bahasa Kebangsaan A before the award of Diploma.
- Equivalent qualifications/qualifications from other Institution of Higher Learning (IHL) will be considered on a case-by-case basis.
- Information is correct at the point of printing. Subject to the Ministry of Education latest requirements.



Diploma Entry Requirements

	SPM	O Level	UEC	Certificate
Diploma in Food Science	3 Credits in the relevant subjects	3 Grade C in the relevant subjects	3 Grade B in the relevant subjects	Relevant Certificate accredited by MQA
	Compulsory subjects: (i) SPM Credit/O Level Grade C in Mathematics/ UEC Grade B in Advanced Mathematics (I or II) (ii) SPM Credit/O Level Grade C/ UEC Grade B in Chemistry (iii) SPM Pass/O Level Grade E (Pass)/ UEC Grade C in English Language**			
Diploma in Aquaculture	3 Credits in the relevant subjects	3 Grade C in the relevant subjects	3 Grade B in the relevant subjects	Relevant Certificate accredited by MQA
	Compulsory subjects: SPM Pass/O Level Grade E (Pass)/ UEC Grade C in one relevant science subject AND English Language**			

**Grade C and above in AELE0364 English Language conducted by TAR UC is accepted as having fulfilled the English Language requirement for applicants who fail English Language at SPM/O Level/UEC.

Note:

- SPM holders must have at least a pass in Bahasa Melayu and SPM holders from Year 2013 onwards must have at least a pass in Sejarah.
- Students without a credit in SPM Bahasa Melayu are required to pass Bahasa Kebangsaan A before the award of Diploma.
- Equivalent qualifications/qualifications from other Institution of Higher Learning (IHL) will be considered on a case-by-case basis.
- Information is correct at the point of printing. Subject to the Ministry of Education latest requirements.



Foundation Entry Requirements

BACHELOR DEGREE	FOUNDATION	ENTRY REQUIREMENTS		
		SPM	O LEVEL	UEC
Bachelor of Science (Honours) in Bioscience with Chemistry	Foundation in Science (Track B)	5 Credits in the relevant subjects which must include, SPM Credit/O Level Grade C/ UEC Grade B in one mathematics subject and two relevant science subjects AND SPM Pass/O Level Grade E (Pass)/ UEC Grade C in Biology, Chemistry and English Language	5 Grade C in the relevant subjects which must include,	3 Grade B in the relevant subjects which must include,
	Foundation in Science (Track A)	5 Credits in the relevant subjects which must include, SPM Credit/O Level Grade C/ UEC Grade B in one mathematics subject and two relevant science subjects AND SPM Pass/O Level Grade E (Pass)/ UEC Grade C in Physics, Chemistry and English Language	5 Grade C in the relevant subjects which must include,	3 Grade B in the relevant subjects which must include,
Bachelor of Science (Honours) in Sports and Exercise Science Bachelor of Science (Honours) in Food Science Bachelor of Science (Honours) in Analytical Chemistry	Foundation in Science (Track B)	5 Credits in the relevant subjects which must include, SPM Credit/O Level Grade C/ UEC Grade B in one mathematics subject and two relevant science subjects AND SPM Pass/O Level Grade E (Pass)/ UEC Grade C in Biology, Chemistry and English Language	5 Grade C in the relevant subjects which must include,	3 Grade B in the relevant subjects which must include,
	Foundation in Science (Track A)	5 Credits in the relevant subjects which must include, SPM Credit/O Level Grade C/ UEC Grade B in one mathematics subject and two relevant science subjects AND SPM Pass/O Level Grade E (Pass)/ UEC Grade C in Physics, Chemistry and English Language	5 Grade C in the relevant subjects which must include,	3 Grade B in the relevant subjects which must include,
Bachelor of Science (Honours) in Applied Physics (Instrumentation)	Foundation in Science (Track A)	5 Credits in the relevant subjects which must include, SPM Credit/O Level Grade C/ UEC Grade B in one mathematics subject and two science subjects AND SPM Pass/O Level Grade E (Pass)/ UEC Grade C in Physics, Chemistry and English Language	5 Grade C in the relevant subjects which must include,	3 Grade B in the relevant subjects which must include,

Note:

- SPM holders must have at least a pass in Bahasa Melayu and SPM holders from Year 2013 onwards must have at least a pass in Sejarah.
- Equivalent qualifications other than the above will be considered on a case-by-case basis.
- Information is correct at the point of printing. Subject to the Ministry of Education latest requirements.

Student Achievements



 **“TOWARDS 4TH INDUSTRIAL REVOLUTION: THE GLOBAL RACE OF FOOD INNOVATION” COMPETITION 2018**
 TAR UC team was awarded 1st Runner up in Food Product Development category



 **MASISWA BADMINTON CHAMPIONSHIP & PRESIDENT CUP 2019**
 TAR UC teams were awarded 2nd runner up and 4th placing



Student Activities



China Educational Tour 2019 - Beijing Olympic Park



China Educational Tour 2019 - Tianjin University of Sport

Student Activities



Co-organised the 9th Malaysia Weiqi Open Championship 2019 with the Malaysia Weiqi Association (MWA)

Student Activities



Exposure to International Conference (3rd FIEP Asia Conference on Physical Education and Sports 2018)



Bursary for State/National Players

Bursary for State/National Players is open to students who are pursuing the **Sports and Exercise Science** programme.



- The value of the Bursary is as follows:-
National player : **50%** waiver tuition fee
State player : **25%** waiver tuition fee
- The Bursary is for one semester only (i.e. 1st Semester)

Merit Scholarship

Diploma/Foundation/Cambridge GCE A Level Programmes

Entry Qualification	Criteria	Waiver of Tuition Fee
SPM O Level	9As and above 8As	100%
SPM O Level	8As 7As	50%
SPM O Level	7As 6As	25%
SPM	6As	20% Foundation programmes only
SPM	5As	15% Foundation programmes only

SPM: A+, A and A-

Bachelor Degree Programmes

Entry Qualification	Criteria	Waiver of Tuition Fee
STPM / A Level	3As	100%
Unified Examination Certificate (UEC)	8As	
*TAR UC Diploma / *TAR UC Foundation / Matriculation	CGPA \geq 3.8500	
South Australian Matriculation (SAM) / Western Australian Certificate of Education (WACE)/ Higher School Certificate (HSC)	\geq ATAR 95	
Canadian Pre-University (CPU)	\geq 95%**	
STPM / A Level	2As	50%
Unified Examination Certificate (UEC)	7As	
*TAR UC Diploma / *TAR UC Foundation / Matriculation	CGPA \geq 3.7500	
South Australian Matriculation (SAM) / Western Australian Certificate of Education (WACE)/ Higher School Certificate (HSC)	\geq ATAR 90	
Canadian Pre-University (CPU)	\geq 90%**	

*Must have obtained straight passes in all courses (including co-curriculum courses for diploma)

**For all subjects with a minimum of 6 subjects

Automatically offered upon admission. Terms & Conditions apply

For further information, please contact:

Assistant Registrar

Faculty of Applied Sciences

Telephone: (6) 03 4145 0100/23 ext. 3231

Email: foas@tarc.edu.my

 (6)011 1075 8544

Kuala Lumpur Main Campus

Jalan Genting Kelang, Setapak, 53300 Kuala Lumpur, Malaysia.

P.O. Box 10979, 50932 Kuala Lumpur, Malaysia.

Telephone: (6) 03 4145 0100/23

Fax: (6) 03 4142 3166

E-mail: info@tarc.edu.my

Penang Branch Campus

77, Lorong Lembah Permai Tiga, 11200 Tanjung Bungah, Penang, Malaysia.

Telephone: (6) 04 899 5230

Fax: (6) 04 899 8219

E-mail: penang@tarc.edu.my

 011-1082 5618

Perak Branch Campus

Jalan Kolej, Taman Bandar Baru, 31900 Kampar, Perak, Malaysia.

Telephone: (6) 05 466 0388, 466 8012/3

Fax: (6) 05 466 0390

E-mail: perak@tarc.edu.my

 011-1075 8513

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