

INSTITUTE OF  
**ACTUARIAL  
SCIENCE AND  
DATA ANALYTICS**





# STAYING ON COURSE

# #269

## WORLD'S TOP 1% 4 YEARS RUNNING

QS WORLD UNIVERSITY RANKINGS 2026

**#1**  
MALAYSIA'S TOP PRIVATE UNIVERSITY FOR GRADUATE EMPLOYABILITY<sup>1</sup> AND OUTCOMES<sup>2</sup>

<sup>1</sup>Higher Education Ministry's Graduate Employability Survey (IPTS)  
<sup>2</sup>QS World University Rankings 2026

Forbes  
**30 UNDER 30**  
ASIA

FOUR FORBES 30 UNDER 30 ASIA INDUCTEES

PRESTIGE  
**40 UNDER 40**

THREE PRESTIGE 40 UNDER 40 LAUREATES

### UCSI's SUBJECT MILESTONES

<b>QS World University Rankings by Subject 2025</b>	<b>#32</b> PERFORMING ARTS (MUSIC)	<b>TOP 100</b> HOSPITALITY AND LEISURE MANAGEMENT	<b>TOP 150</b> ART AND DESIGN
	<b>TOP 150</b> PETROLEUM ENGINEERING	<b>TOP 250</b> BUSINESS AND MANAGEMENT STUDIES	<b>TOP 450</b> CHEMICAL ENGINEERING
	<b>TOP 500</b> ELECTRICAL AND ELECTRONIC ENGINEERING	<b>TOP 500</b> COMPUTER SCIENCE AND INFORMATION SYSTEMS	<b>TOP 600</b> MEDICINE



UCSI University is the first and only private university in Malaysia to receive a double recognition as Regional Centre of Expertise (RCE) by the United Nations University: RCE Kuching and RCE Greater Kuala Lumpur



**100% EMPLOYABILITY SCORE**

for all UCSI programmes listed in the Malaysian Higher Education Ministry's Graduate Employability Survey (IPTS)

**MORE THAN 4,800**



global companies provide our students with internships



of our Co-Op partners would like to hire UCSI interns

Students from over **120 NATIONS**



International students make up around 30% of UCSI's student population



**28 UCSI ACADEMICS**

are Fellows of Academy of Sciences Malaysia or ranked in the World's Top 2% Scientists by Stanford University

**>55%**

of UCSI's academic staff are PhD holders and a further 16% are pursuing their doctorate



**The 1<sup>st</sup>** university in Malaysia's private higher education sector to offer programmes in Aquatic Science, Biotechnology, Food Science, Music and Nutrition



*The artist's impression of UCSI's education city in Kuala Lumpur*

## EMPOWERING CHANGEMAKERS

UCSI University is one of Asia's top private universities. It is classified in the world's top 1% in the QS World University Rankings 2025, by virtue of its top 265 ranking. UCSI was the only university to receive the QS Recognition for Improvement Award - an award given to universities that improve the most ranks on average - at the 2022 QS EduData Summit in New York. And the University has steadily enhanced its global profile over the past decade.

Changemakers study here. Four UCSI alumni are Forbes 30 Under 30 Asia inductees. From social entrepreneurship to impactful visual storytelling, they raise aspirations and win the respect of the world. Three more alumni are Prestige 40 Under 40 laureates for their contributions to Malaysia's creative industry. And many more entrepreneurs, scientists, doctors, media personalities, musicians and national athletes make up UCSI's acclaimed alumni network.

Research and scholarly pursuit are part of UCSI's DNA. The University is equipped with state-of-the-art labs that feature the latest IR4.0 technologies in engineering, medicine, pharmacy and biotechnology. Students learn from academics who are at the forefront of their respective disciplines. UCSI's collaboration with some of the world's best universities also presents invaluable opportunities for students.

Since 2014, UCSI's top students have been annually selected to advance high-impact research at Harvard University, Imperial College London, the University of Chicago, Tsinghua University, the University of Queensland and the University of British Columbia, among others. UCSI students have gone on to work with some of the world's best minds in the fields of endocrinology, nanotechnology, pharmacology and materials science, among other critical fields.

Graduate employability is another one of UCSI's calling cards. The University has a 100% employability score in the Malaysian Higher Education Ministry's Graduate Employability survey. UCSI counts over 4,800 companies in its industry network. This includes many of the world's best firms like Accenture, CIMB, Deloitte, DHL, EY, HP, HSBC, KPMG, Maybank, Nestle, Samsung, Shlumberger, P&G, Petronas and PWC, among many others. This dynamic setup facilitates internship arrangements, joint research opportunities, technology transfers and of course, job offers.

With these unique strengths and more, UCSI stands out as a university that offers an education few can, provides experiences others can't and delivers game-changing outcomes for students around the world.

# Institute of Actuarial Science and Data Analytics

---

*Everything has risk, but the risk is an opportunity! We equip our students with strong analytical and communication skills under the Institute of Actuarial Science and Data Analytics (IASDA). Our graduates are well-versed in risk, whereby they are good at identifying, measuring, and managing risk. With the strong data analytical skills, our graduates can provide valuable insights to improve financial outcomes for their organisations.*

*One of our students who was only in his third year of the actuarial science programme became the first Malaysian student to obtain the Associate of Canadian Institute of Actuaries (ACIA). Hence, our graduates are deemed highly employable.*

*The students' experience from the programme at UCSI University prepared them not only to specialise in a specific field of expertise but also to equip them with the necessary skillset and knowledge in various fields. Our graduates have been in the field of insurance, banking, finance, data analytics, risk management, even aviation, and others.*



Why study  
Actuarial Science  
at UCSI?

**ACHIEVED 100% GRADUATE EMPLOYABILITY SCORE IN A  
MINISTRY OF HIGHER EDUCATION SURVEY**

**STRONG INDUSTRY LINKAGE**

# Notable Faculty

Learn from a team of acclaimed professors and academics who are at the forefront of their respective disciplines. Work with them, be mentored by them and benefit from their wealth of experience.



**ASST PROF DR  
LOH YUE FANG**

*Director*

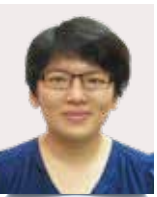
*PhD Survival Analysis  
Master of Applied Statistics  
BSc (Hons) Mathematics*



**ASST PROF DR  
JEFF LAI WAN FEI**

*Deputy dean*

*PhD in Mathematics and Statistics  
MSc  
BSc*



**ASST PROF  
DR KHOO WOOL CHEN**

*Head of department, Actuarial Science  
and Applied Statistics*

*PhD Applied Probability and Statistics  
MSc  
BSc*



**PROF DR  
ONG SENG HUAT, FASc**  
*Senior professor*

*PhD Statistics and Probability  
MSc  
BSc*



**ASST PROF  
DR KALPANA MUTHUSAMY**

*Assistant professor*

*PhD in Mathematics  
Master of Philosophy in Mathematics  
Master of Science in Operations Research and  
Computer Applications  
Bachelor of Science in Mathematics*



**ASST PROF  
DR SATHIYARAJ THAMBIAYYA**

*Assistant professor*

*Ph. D (Mathematics)  
M.Phil. (Mathematics)  
M.Sc. (Mathematics)  
B.Sc. (Mathematics)*



**ASST PROF ZHRUL  
AZMIR BIN ABSL KAMARUL ADZHAR**

*Assistant professor*

*Master of Quantitative Sciences  
Degree in Actuarial Science  
Associateship of the Society of Actuaries (ASA)*



**LIM JIN YOONG**

*Lecturer*

*Master in Mathematics  
BSc. (Hons) in Actuarial Studies*

## Foundation

At UCSI, our focused foundation pathways in business studies prepare you for versatility and impact in an ever-changing world. Our special focus areas are specially designed to equip you with a strong grounding in mathematics, computing, statistics and analytical thinking – skills that lead to global careers in business, actuarial science and management.

In addition to acquiring relevant subject knowledge, you will also be supported and mentored by a team of distinguished professors throughout your foundation year. Their tutelage will make the telling difference in your rite of passage to degree studies. You will be encouraged to think like never before. And as

you develop the critical and creative thinking skills that make the difference between success and failure, you will develop the confidence to move on to more advanced studies in actuarial science and management.

Foundation studies at UCSI also enable you to expand your personal and professional network. UCSI partners with over 4,600 global companies and opportunities abound for you to gain industry perspectives through talks and career fairs. With this in mind, UCSI's focused foundation pathways in business don't just prepare you to keep abreast of change. They prepare you to be ahead of it. Get the ideal start today.

## Start Focused. Stay Ahead.

UCSI's specialised foundation pathway helps you acquire a much stronger grasp of your chosen field of study while covering the overall reach of a standard foundation programme. Apart from helping you immensely as you progress to degree studies, UCSI's foundation programme also provides you with an early taste of what the industry expects.

## Foundation in Arts (Actuarial Science/Built Environment)

### Compulsory Courses

- Writing for Academic Purposes
- Critical Thinking Skills
- Computing Essentials
- Positive Psychology



### Elective Courses (Refer to the Head of Department for Elective Course Selection)

- Fundamentals of Ethics
- Human Communication
- Introduction to Business
- Introduction to Structure
- Introduction to Built Environment
- Introduction to Law
- Fundamentals of Computer Graphics
- Analytical Drawing
- Fundamentals of Design
- Introduction to Marketing
- Web Development
- Fundamentals of Programming
- Basic Office Application
- Introduction to Hospitality and Tourism Industry
- Event Management
- Introduction to Logistics and Supply Chain Management
- Civic Studies
- Smart Learning Technology
- Media Literacy



### Core Courses

- Fundamentals of Mathematics
- Algebra and Trigonometry
- Introduction to Probability and Statistics
- Introductory Calculus
- Introductory Accounting
- Introductory Economics



### Bachelor Degrees

- Bachelor of Science (Honours) Actuarial Science
- Bachelor of Science (Honours) Actuarial Science and Finance
- Bachelor of Science (Honours) Actuarial Science with Data Analytics



# Bachelor of Science (Honours) Actuarial Science

(R2/462/6/0016) (04/2025) (A11179)

Due to the importance of their roles in managing risk and ensuring financial stability, actuaries need agile mathematical minds and razor-sharp analytical skills. On top of strong technical skills, the Institute Actuarial Science programme stands out for giving its students the long-term edge in their careers by preparing them for the examinations of professional boards such as the Society of Actuaries (SoA). Many of our students have passed four out of the five preliminary SoA examinations during their undergraduate study with UCSI.

## Professional Recognition



Institute and Faculty of Actuaries

**Institute and Faculty of Actuaries (IFoA)**  
IFoA has granted an Accreditation by Subject Agreement covering their CM1, CB1 and CB2 modules.



SOCIETY OF ACTUARIES

- Society of Actuaries**
- Obtain all three VEE (Validation by Educational Experience) credits before graduation – the equivalent of core subjects needed to attain a membership.
  - VEE credits may go towards other actuarial qualifications such as from the Casualty Actuarial Society and Canadian Institute of Actuaries.
  - UCSI is one of a few Malaysian private universities recognised as one of SoA's UCAP (Universities and Colleges with Actuarial Programmes) schools.
  - UCSI provides the most comprehensive SoA exam coverage in Malaysia.

## UCSI Co-Operative Placement Programme

The industry's biggest names have offered internships to our students including AIA Berhad, Allianz Malaysia, Great Eastern Life Assurance, Prudential BSN Takaful, Tokio Marine Life Insurance, Zurich Insurance and more.

## Subject Listing

### Year 1

- Calculus and Analytical Geometry
- Statistics and its Applications
- Business Accounting
- Microeconomics
- Risk Management and Insurance
- Extracurricular Learning Experience 1
- Probability Theory
- Macroeconomics
- Introduction to Programming
- Elective 1
- Business Communications
- University Life
- Cooperative Placement 1

### Year 2

- Mathematics I
- Mathematical Statistics
- Mathematics of Interest Rate
- Introduction to Stochastic Processes
- Falsafah dan Isu Semasa
- Extracurricular Learning Experience 2
- Mathematics II
- Applied Statistical Models
- Life Contingencies 1
- Financial Management 1
- Managerial Accounting
- Integrity and Anti-Corruption
- Cooperative Placement 2

### Electives 1 and 2 (Choose two)

- Fundamental of Marketing
- Business Information System
- Introduction to Internet Technologies
- Fundamentals of Management
- Accounting Information System
- Corporate Finance
- Financial Statement and Analysis
- Investment Portfolio Management

### Elective 3 and 4 (Choose two)

- Actuarial Practice
- Survival Models
- Statistical Simulation for Financial Modeling

\*Optional

### Year 3

- Independent Project I
- Mathematics of Financial Derivatives
- Life Contingencies 2
- Loss Models
- Elective 3
- Extracurricular Learning Experience 3
- Independent Project II
- Elective 4
- Credibility Theory
- Stochastic Calculus for Insurance and Finance
- Penghayatan Etika dan Peradaban (Local)/ Bahasa Melayu Komunikasi(Int'l)
- Elective 2
- Bahasa Kebangsaan A\*
- Cooperative Placement 3

International Degree Pathway

- **University of Essex (1+2)**
- Bachelor of Science Actuarial Science

Career Opportunities

Actuary | Budget analyst | Cost estimator | Credit analyst | Financial advisor | Insurance underwriter

# Bachelor of Science (Honours) Actuarial Science and Finance

(R2/462/6/0037) (11/2027) (MQA/FA 1835)

This programme is the first degree in Malaysia to combine both fields of study. It is designed to hone competencies in financial investment management, asset valuation and risk management for various financial assets as well as provide the essential working knowledge required in the financial industry. Students will also have the flexibility to focus on either the Society of Actuaries (SoA) or other finance-related professional qualifications.

## Professional Recognition



Institute  
and Faculty  
of Actuaries

### Institute and Faculty of Actuaries (IFoA)

IFoA has granted an Accreditation by Subject Agreement covering their CM1, CB1 and CB2 modules.



SOCIETY OF  
ACTUARIES

### Society of Actuaries

- Obtain all three VEE (Validation by Educational Experience) credits before graduation – the equivalent of core subjects needed to attain a membership.
- VEE credits may go towards other actuarial qualifications such as from the Casualty Actuarial Society and Canadian Institute of Actuaries.
- UCSI is one of a few Malaysian private universities recognised as one of SoA's UCAP (Universities and Colleges with Actuarial Programmes) schools.
- UCSI provides the most comprehensive SoA exam coverage in Malaysia.



## Subject Listing

### Year 1

- Calculus and Analytical Geometry
- Statistics and its Applications
- Microeconomics
- Business Accounting
- Risk Management and Insurance
- Extracurricular Learning Experience 1
- Probability Theory
- Macroeconomics
- Introduction to Programming
- Financial Market & Institutions
- Managerial Accounting
- University Life
- Cooperative Placement 1

### Year 2

- Mathematics I
- Mathematics of Interest Rate
- Mathematical Statistics
- Introduction to Stochastic Processes
- Financial Management 1
- Extracurricular Learning Experience 2
- Mathematics II
- Applied Statistical Models
- Elective 2
- Investment Analysis

### Elective 1 (Choose one)

- Introduction to Islamic Banking and Finance
- Corporate Finance
- Financial management 2
- Investment Portfolio Management

### Elective 2 (Choose one)

- Islamic Financial Markets and Institutions
- Multinational Finance
- Equity Analysis
- Life Contingencies 1

### Year 3

- Independent Project I
- Mathematics of Financial Derivatives
- Elective 3
- Loss Models
- Financial Statement & Analysis
- Integrity and Anti-Corruption
- Extracurricular Learning Experience 3
- Independent Project II
- Elective 1
- Elective 4
- Credibility Theory
- Stochastic Calculus for Insurance and Finance
- Treasury Management
- Bahasa Kebangsaan A\*
- Cooperative Placement 3

- Falsafah dan Isu Semasa
- Penghayatan Etika dan Peradaban (Local)/ Bahasa Melayu Komunikasi 3(Int'l)
- Cooperative Placement 2

### Elective 3 and 4 (Choose two)

- Life Contingencies 2
- Actuarial Practices
- Statistical Simulation for Financial Modelling
- Survival Models

\*Optional

## UCSI Co-Operative Placement Programme

Our students have honed their skills with top companies in the actuarial and finance industry including AIA Public Takaful, General Insurance Corporation of India, Prudential Assurance, Tokio Marine Life Insurance, and several major banks.

Career  
Opportunities

Actuary | Financial trader | Fund manager | Investment broker or Banker | Investment or Financial analyst | Risk manager

# Bachelor of Science (Honours) Actuarial Science with Data Analytics

(N/0542/6/0001) (08/2027) (MQA/PA 15683)

Traditionally, actuaries have used data to answer financial risk problems. However, two significant trends are transforming the world of finance: an increase in the volume and types of data, and a concentration on risk management. This programme will get students to learn about the classic actuarial approach to risk management, as well as some of the most recent areas of data science, such as artificial intelligence and machine learning, and their practical applications in finance and insurance.

## Professional Recognition



### Society of Actuaries

- Obtain all three VEE (Validation by Educational Experience) credits before graduation – the equivalent of core subjects needed to attain a membership.
- VEE credits may go towards other actuarial qualifications such as from the Casualty Actuarial Society and Canadian Institute of Actuaries.
- UCSI is one of a few Malaysian private universities recognised as one of SoA's UCAP (Universities and Colleges with Actuarial Programmes) schools.
- UCSI provides the most comprehensive SoA exam coverage in Malaysia.

### UCSI Co-Operative Placement Programme

Our students will be able to work for companies such as MCIS Life, Hong Leong Assurance Berhad, AXA Affin Life Insurance, Deloitte, Accenture, Ernst & Young, and others in the actuarial and data analytics fields.

## Subject Listing

### Year 1

- Calculus and Analytical Geometry
- Statistics and its Applications
- Business Accounting
- Microeconomics
- Fundamental of Data Science
- Extracurricular Learning Experience 1
- Bahasa Kebangsaan A\*
- Probability Theory
- Penghayatan Etika dan Peradaban(Local) /Bahasa Melayu Komunikasi 3 (Int'l)
- Database Management Systems
- Discrete Mathematics
- Macroeconomics
- University Life
- Cooperative Placement 1

### Year 2

- Mathematics I
- Mathematics of Interest Rates
- Mathematical Statistics
- Introduction to Stochastic Processes
- Data visualization
- Extracurricular Learning Experience 2
- Mathematics II
- Applied Statistical Models
- Life Contingencies 1
- Elementary Programming
- Research Methods in Data Analytics
- Cooperative Placement 2

\*Optional

### Year 3

- Independent Project I
- Life Contingencies 2
- Elective 1
- Financial Management 1
- Machine Learning for Data Analytics
- Integrity and Anti-Corruption
- Extracurricular Learning Experience 3
- Independent Project II
- Time series models and Survival Analysis
- Financial Statement Analysis
- Falsafah dan Isu Semasa
- Cloud Computing
- Big Data Analytics
- Cooperative Placement 3

### Electives (Choose one)

- Loss Models
- Actuarial Practices
- Credibility Theory

# Hall Of Fame

## **JAMES KOO JIAN WEI**

*Alumnus, Bachelor of Science  
(Hons) Actuarial Science*

*First student in Malaysia to obtain the Associate of Canadian Institute of Actuaries (ACIA).*

*First UCSI student to pass the SoA Fundamentals of Actuarial Practice (FAP) before the completion of his study.*

*Passed all five Society of Actuaries preliminary exams before the completion of his third year.*

*Worked at Great Eastern as Management Associate.*



## **TAN JUN HAO**

*Alumnus, Bachelor of Science  
(Hons) Actuarial Science*

*Passed all five Society of Actuaries preliminary exams before the completion of his second year.*

*Top 1% in the world in Actuarial-Lookup's speed ranking.*



*From left to right*

## **LEE CHOY YEE**

*Bachelor of Science (Hons) Actuarial Science*

## **ALVIN TAN TZE GEE**

*Bachelor of Science (Hons) Actuarial Science and Finance*

## **WAN JIUNN YUAN**

*Bachelor of Science (Hons) Actuarial Science and Finance*

## **THAM CHEE YUNG**

*Bachelor of Science (Hons) Actuarial Science and Finance*

*Winners to represent Malaysia for the FWD Takaful Springboard Student Challenge in 2021.*

*Obtained an internship opportunity in the FWD Springboard Incubator Internship Programme.*



*From left to right*

## **ERIC LING KAIYUE**

*Alumnus, Bachelor of Arts (Hons) Logistics Management*

## **SANDRA OOI PING NYEE**

*Alumna, Bachelor of Arts (Hons) in Business Administration  
Master in Business Administration*

## **SHIA SIAW HUI**

*Alumna, Bachelor of Science (Hons) Actuarial Science*

## **WONG CHUN WENG**

*Alumnus, Bachelor of Financial Economics (Hons)*

*National champions of the HSBC-Enactus Malaysia Business Case Competition 2017.*

*Represented Malaysia at the HSBC/HKU Asia Pacific Business Case Competition 2017 in Hong Kong.*

# Academic Requirements

QUALIFICATIONS	FOUNDATION IN ARTS LEADING TO ACTUARIAL SCIENCE/ ACTUARIAL SCIENCE AND FINANCE/ ACTUARIAL SCIENCE WITH DATA ANALYTICS
SPM/O-Level	Pass with 5 credits (C)
UEC	3 credits (B6)
Other qualifications	Any other equivalent qualifications recognised by the Malaysian Government.

QUALIFICATIONS	BACHELOR OF SCIENCE (HONOURS) ACTUARIAL SCIENCE/ BACHELOR OF SCIENCE (HONOURS) ACTUARIAL SCIENCE AND FINANCE
UCSI Foundation year	Minimum CGPA 2.0 including Mathematics
STPM	A pass in STPM with a minimum Grade (C) (CGPA 2.0) in any two subjects OR Grade C in two subjects inclusive of mathematics.
A-Level	Minimum 2 principals (D) including Mathematics
UEC	Minimum 5 credits (B6) including Mathematics
National Matriculation	Minimum CGPA of 2.0 including Mathematics
International Baccalaureate (IB)	Minimum score of 26 points in 6 subjects including Mathematics
Canadian Pre-U	Minimum average of 60% in 6 subjects inclusive of Mathematics
AUSMAT/ HSC/ SACE/TEE/WACE	ATAR score of 60% OR a minimum average of 60% in 5 subjects, including Mathematics.
Other STPM equivalent qualifications	Minimum overall average of 60% including Mathematics
Diploma (Business-related)	Minimum CGPA of 2.0 including Mathematics

QUALIFICATIONS	BACHELOR OF SCIENCE (HONOURS) ACTUARIAL SCIENCE WITH DATA ANALYTICS
UCSI Foundation year	Minimum CGPA 2.0 including Mathematics
STPM	A pass in STPM with a minimum Grade (C) (CGPA 2.0) in any two subjects, and credit in Mathematics and pass in English at SPM level.
A-Level	Minimum 2 principals (D) including Mathematics
UEC	Minimum 5 credits (B6) including Mathematics
National Matriculation	Minimum CGPA of 2.0 including Mathematics
International Baccalaureate (IB)	Minimum score of 26 points in 6 subjects including Mathematics
Canadian Pre-U	Minimum average of 60% in 6 subjects inclusive of Mathematics
AUSMAT/ HSC/ SACE/TEE/WACE	ATAR score of 60% OR a minimum average of 60% in 5 subjects, including Mathematics.
Other STPM equivalent qualifications	Minimum overall average of 60% including Mathematics
Diploma (Business-related)	Minimum CGPA of 2.0 including Mathematics

# Compulsory Courses (MPU and HEPs courses)

## COMPULSORY FOR ALL STUDENTS

### DEGREE PROGRAMMES

MALAYSIAN STUDENTS	INTERNATIONAL STUDENTS
<ul style="list-style-type: none"> <li>• U1 – Appreciation of Ethics and Civilisations</li> <li>• U1 – Philosophy and Contemporary Issues</li> <li>• U2 – Bahasa Kebangsaan A (if applicable)</li> </ul>	<ul style="list-style-type: none"> <li>• U1 – Communication in Bahasa Melayu 3</li> <li>• U1 – Philosophy and Contemporary Issues</li> </ul>
ALL STUDENTS	
<ul style="list-style-type: none"> <li>• U2 – Integrity and Anti-Corruption</li> <li>• HEPs course – Effective Speaking</li> </ul>	<ul style="list-style-type: none"> <li>• U4 – Extra-curricular Learning Experience 1 – 2</li> <li>• HEPs course – Effective Writing</li> </ul>

## English Language Requirements

STUDENTS (LOCAL/INTERNATIONAL)	QUALIFICATIONS	FOUNDATION IN ARTS	BACHELOR OF SCIENCE (HONOURS) ACTUARIAL SCIENCE/ BACHELOR OF SCIENCE (HONOURS) ACTUARIAL SCIENCE AND FINANCE/ BACHELOR OF SCIENCE (HONOURS) ACTUARIAL SCIENCE WITH DATA ANALYTICS
<b>Local Students</b>	SPM English Language	A minimum grade of B+	A minimum grade of B+. A pass (Grade C) in SPM English and Mathematics is needed for STPM holders.
	English language 1119/ O-Level English/ IGCSE	A minimum grade of C	
	UEC English Language	A minimum grade of A2	
	MUET (Malaysian University English Test)	A minimum of Band 2	A minimum of Band 4
	IELTS	A minimum score of 4.0	Band 5.5
	TOEFL iBT	Minimum score of 30-31	A minimum score of 46
	CEFR	A minimum of B1 (with at least 2 skills at B1)	
	Cambridge English / Linguaskill	Minimum score of 140	
	Pearson Test of English	Minimum score of 36	
	Note: Applicants who do not meet the English language requirements will be required to take Basic English and English Foundation concurrently with their programme for in-session academic enhancement. Applicants who hold academic qualifications from a higher learning institution where English was the medium of instruction may be granted an exemption from the University's English requirements and the MQA requirement.		
<b>International Students</b>	O-Level English/ IGCSE	A minimum grade of C	
	MUET (Malaysian University English Test)	A minimum of Band 2	A minimum of Band 3.5
	IELTS	A minimum score of 4.0	Band 5
	TOEFL IBT	Minimum score of 30-31	A minimum score of 40
	TOEFL Essentials (Online)	N/A	A minimum score of 7.5
	CEFR	A minimum of B1 (with at least 2 skills at B1)	High B1
	Cambridge English Qualification and Tests		
	(i) B1 Preliminary, B2 First, C1 Advanced, C2 Proficiency	A minimum score of 140	A minimum score of 154
	(ii) Linguaskill Online	A minimum score of 140	A minimum score of 154
	(iii) Occupational English Test (OET)	N/A	
Pearson Test of English	A minimum score of 36	A minimum score of 47	
	Note: : International applicants who do not meet the English language requirements of their respective academic programmes will be required to improve their proficiency by enrolling in the English for Tertiary Education programme (R/KJP/00920-00929). Placement into the appropriate level of the programme will depend on the English language qualification presented at the point of admission and/or the outcome of the English Placement Test. Applicants who have met the programme's English language requirement may still be advised by the Faculty to enhance their proficiency by undertaking additional English language courses.		

# Student Testimonials

**CHAN MIN ZHUO**

Senior manager, FWD Technology and Innovations  
Malaysia

*At UCSI, I was given the opportunity to attend practical courses that were taught by experienced actuaries.*

*That helped me to fully grasp the role of an actuary and enhance my technical skills in financial modelling.*

*The experience gained during the 3 years course at UCSI has contributed significantly to my professional growth in the later years.*

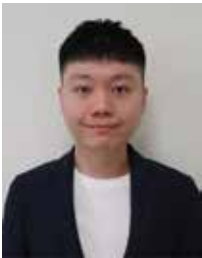
---

**HO PHUI PHUI**

Regional marketing director, Boeing  
Singapore

*My 3 years with UCSI University shaped me into an independent and analytical person. The actuarial studies built my logical thinking and problem-solving skills, which contributed a lot to my career building. I'm also grateful that the university included internships as part of the academic syllabus as that helped me to figure out what my passion for work is when I finished my studies.*

---

**NICHOLAS LEE WEN KIT**

Data scientist, SATS Ltd

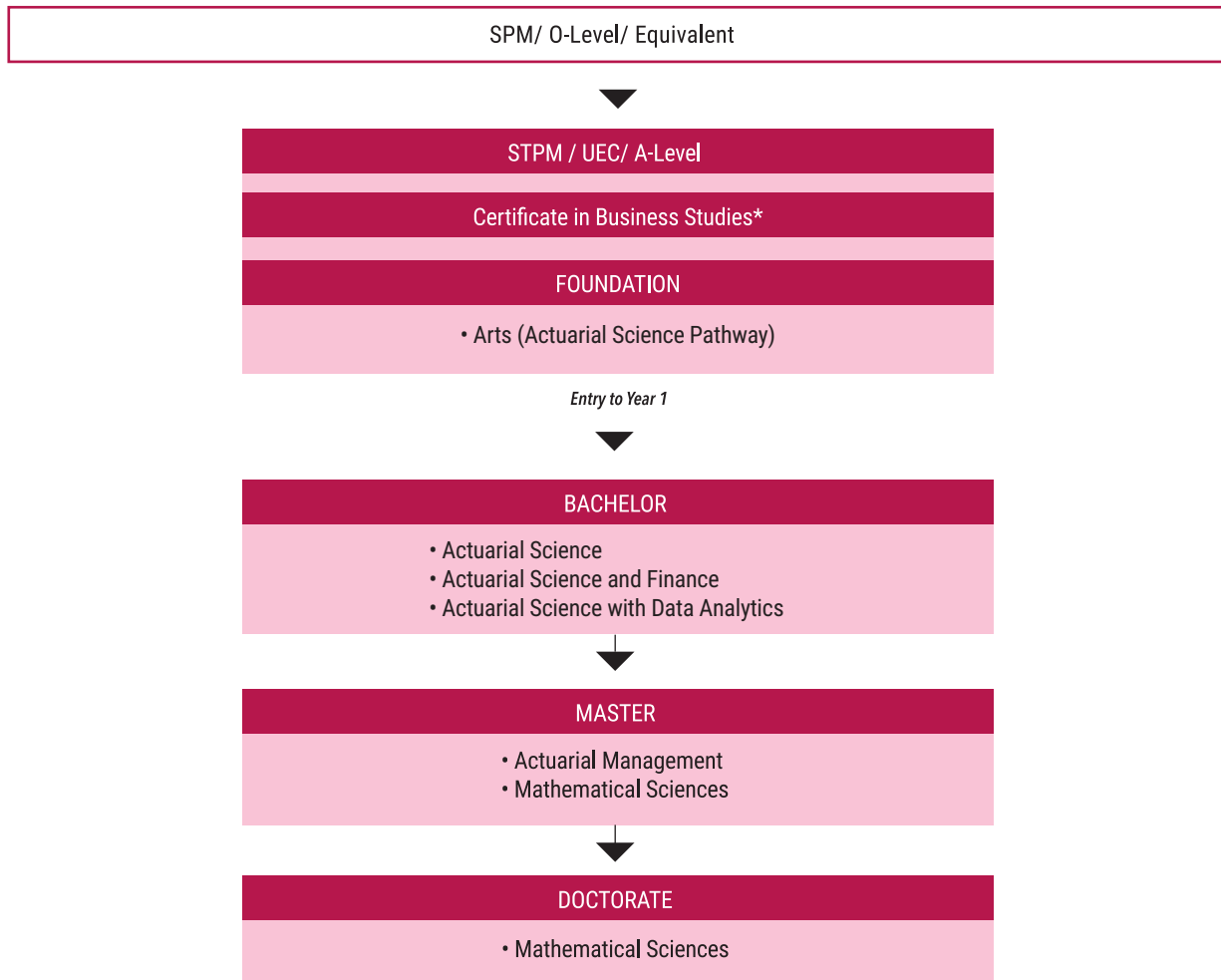
*I would like to thank UCSI University which has made me who I am today. I am grateful that I chose the actuarial science program. It helped me to build up a strong solid foundation of statistical & analytical skillsets that are highly practical on my career pathway.*

*I started my career journey as a risk analyst in the banking industry and progressively headed towards a data scientist role.*

*Today, I am proud of myself that I am able to apply AI & analytical solutions to help companies to solve various business and operational issues. Never stop learning, the industry is evolving at a rapid pace and I have to continuously improve myself to become a better me.*

---

# Educational Pathway



\* Offered at UCSI College

## Did you know?

Professional accrediting bodies such as Institute and Faculty of Actuaries (IFoA) and Society of Actuaries (SOA) provide professional certification as well as exemptions to UCSI students.

# Past Events

## The Grand Launch of IASDA



UCSI University celebrates its historic moment with the launch of its Institute of Actuarial Science and Data Analytics (IASDA) on 9 April 2022 at its KL Campus. IASDA will help meet the growing needs of actuaries and data analytics education and expertise in the country.

## Mathematics of Interest Rates (MIR) Challenge



The MIR Challenge has been a valuable learning experience for students interested in pursuing a career in actuarial science or data analytics. By participating in the competition, they gained valuable skills, knowledge, and experience that will help their understanding of various concepts related to interest rates, such as present and future values, annuities, bonds, and yield curves. They also improved their proficiency in mathematical techniques such as calculus, linear algebra, and probability theory.

## Eternity ASSA Night 2.0



The Actuarial Science Student Association (ASSA) organised a glamorous and exciting event called, "Eternity ASSA Night 2.0" for its members. The event, which was held at Le Quadri Hotel, brought together students from various universities and backgrounds to celebrate their academic achievements. Overall, it was also an opportunity to network and build professional relationships with their peers. The night was a testament to the strong sense of community and camaraderie within the ASSA, as well as a celebration of the hard work and dedication of its members.



**UCSI EDUCATION SDN BHD** [198901008177 (185479-U)]

**KUALA LUMPUR CAMPUS** DU020(W)

No.1, Jalan UCSI, UCSI Heights, Cheras 56000 Kuala Lumpur, Malaysia.  
General Line (+603) 9101 8880 Course Enquiry (+603) 9101 8882 Fax +(603) 9102 2614

**KUCHING CAMPUS** DU020-02(Q)

Lot 2976, Block 7, Muara Tebas Land District, Sejingkat, 93450 Kuching, Sarawak.  
Tel +(6082) 596 965 Fax +(6082) 596 975

**SPRINGHILL (SEREMBAN/PD) CAMPUS** DU020(W)

No. 2, Avenue 3, Persiaran Springhill, 71010 Port Dickson, Negeri Sembilan.  
General Line (+606) 648 8888 Course Enquiry (+606) 648 8880

**BANGLADESH BRANCH CAMPUS** L-20230124007678-H

Haq's Plaza, 26, Kemal Ataturk Avenue, Banani, Dhaka-1213, Bangladesh.  
Tel (+880) 96109 19999

**f UCSI UNIVERSITY @ UCSIUNI ✉ info.enq@ucsiuniversity.edu.my 🌐 ucsi.university**