

Facilities

- Library
- Computer Labs
- State-of-the-Art Science Labs
- Multidisciplinary Medical Labs
- Anatomy Lab
- Anatomy & Pathology Resource Centre
- Pharmacy Labs
- Biotechnology Lab
- Clinical Skills Lab
- Cafeteria
- Student Lounge
- Bookstore
- Music Room
- Fine Dining Restaurant
- Data Ecosystem Laboratory of Technology and Applications
- QIU Sustainable Agri-research
- Commercial Kitchen
- Buzz Hub Studio
- Simulation Room

Student Services

Student and Career Counselling

At QIU, our counsellors are available to help students with academic and/or personal concerns. Students at QIU will be given personalised attention to assist them in meeting their academic needs.

Assistance with Accommodation

QIU will help students with their accommodation arrangements, ensuring that they can enjoy a fun, enjoyable university experience.

Mentorship Programmes

At QIU, students are not just taught academic programmes but are mentored to excel in their future careers and become responsible citizens who will contribute to the betterment of society.

Hostel

Accommodation

QIU's hostels provide accommodation for students who yearn for the experience of independent life in a secure environment. Nestled in the greenery of the Kinta Valley, our condominium units give students the option of staying in a single or twin-sharing room, with 4 or 6 occupants to a unit.

Transportation is provided to shuttle students between the residences and the city campus. Security checkpoints are installed outside each unit, as part of the 24-hour security surveillance system operated by QIU-appointed personnel.

- 24 Hours Security
- Free Internet & WIFI
- Outdoor Playground & Swimming Pool



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QIU

QUEST INTERNATIONAL UNIVERSITY



Bachelor of Science (Honours) Actuarial Sciences

JPT/BPP(MQA/FA6639)04/28

Bachelor of Science (Honours) Actuarial Sciences



JPT/BPP(MQA/FA6639)04/28

The Bachelor of Science (Honours) Actuarial Sciences programme trains actuaries who have the ability to model and analyse finance-related risks, especially in the banking and insurance industries.

There is a high demand for quality actuaries in financial planning institutions, corporations, investment companies and brokerage firms – particularly in risk management and financial consulting services.

QIU's Actuarial Science programme is recognised by international professional examination bodies such as the Society of Actuaries (SOA), the Casualty Actuarial Society (CAS), the Canadian Institute of Actuaries (CIA), the Certified in Quantitative Risk Management (CQRM) by the International Institute of Professional Education and Research (IIPER) and the Registered Financial Planner (RFP) by the Malaysia Financial Planning Council (MFPC). Our curriculum is designed to prepare students for these tests.


The programme includes four significant specialisations - **Financial Planning, Data Science, Banking and Islamic Finance**. Popular software systems such as **SPSS, R, Python, C++, SAS and Real Time Stock Price Tracking System** are incorporated into the programme's curriculum design. This ensures that graduates are able to analyse business and finance problems with mathematical models and provide specific financial solutions.

 **Intakes:**
April, July,
September/October

 **Duration:**
3 years Full-time **5** years Part-time

 **Mode of Study:**
Full-time and Part-time

 **Mode of Delivery:**
Lectures, Tutorials, Oral Presentation, Seminars, Case-studies, Problem-based Learning Sessions, Research Project, Lab Practical

 **Assessment:**
Quizzes, Project, Assignment, Lab Test, Mid-semester Examination and Final Examination

Minimum



Entry Requirements

Sijil Tinggi Persekolahan Malaysia (STPM)

Pass Sijil Tinggi Persekolahan Malaysia (STPM) with a Grade C (CGPA 2.00) in two (2) subjects and Pass Sijil Pelajaran Malaysia (SPM) or its equivalent with a credit in Mathematics; OR

Sijil Tinggi Agama Malaysia (STAM)

Pass Sijil Tinggi Agama Malaysia (STAM) with a minimum Jayyid Rank in 2 subjects and a credit in Mathematics at the Sijil Pelajaran Malaysia (SPM) level; OR

General Certificate of Education Advanced ("A") Level

Pass A-Levels in two (2) subjects or its equivalent with a credit in Mathematics at O-levels or its equivalent; OR

Diploma

Pass Diploma in a related field of study with a minimum CGPA of 2.5. Candidates with CGPA below 2.5 but above 2.0 may be admitted subject to a rigorous internal assessment process; OR

Pass Diploma in any other field with a minimum CGPA of 2.5 with a credit in Mathematics at the SPM (or its equivalent) level; OR

Matriculation / Foundation

Pass Matriculation/ Foundation with a minimum CGPA of 2.00 and a credit in Mathematics in their SPM OR its equivalent; OR

Unified Examination Certificate (UEC)

Pass Unified Examination Certificate (UEC) with a minimum of Grade B in 5 subjects including Mathematics; OR

Other Qualifications

Other qualifications will be assessed based on the Senate's recommendation and referred to the MQA for approval on a case by case basis.



Programme

Content

The following courses are offered in the **Bachelor of Science (Honours) Actuarial Sciences (JPT/BPP(MQA/FA6639)04/28)** programme:

General Studies Subjects

Local

- Hubungan Etnik
- TITAS
- Communication Skills / Bahasa Kebangsaan A
- Sustainable Development in Malaysia
- Community Service

International

- Bahasa Melayu Komunikasi 2
- Malaysian Studies
- Communication Skills
- Sustainable Development in Malaysia
- Community Service

University Courses

- English for Academic Purposes
- Devices, Networks & Applications
- Disciplined Entrepreneurship

- Design Thinking
- Co-curriculum

Core Courses

Year 1

- Calculus and Linear Algebra
- Principles of Programming
- Financial Mathematics
- Statistics and Probability
- Microeconomics
- Macroeconomics

- Discrete Mathematics with Applications
- Risk Management and Insurance Planning
- Foundation in Financial Planning
- Introduction to Financial Accounting
- Corporate Finance
- Financial Accounting and Reporting

Year 2

- Theory of Probability
- Advanced Financial Mathematics
- Risk Modelling
- Regression Analysis
- Risk Analysis
- Operations Research

- Survival Models
- Life Contingencies I
- Portfolio Management and Applications
- Actuarial Modelling I
- Advanced Calculus and Differential Equation
- Investment Planning and Analysis

Year 3

- Industrial Training
- Project I
- Project II

- Actuarial Modelling II
- Stochastic Methods for Actuarial Science
- Life Contingencies II

Elective Courses

Specialisation

Financial Planning

- Retirement Planning
- Islamic Financial Planning
- Tax Planning and Analysis

Data Science

- Database System
- Data Mining and Warehousing
- Business Intelligence

Banking

- Money and Banking Management
- Credit Analysis and Lending
- Banking Operations and Treasury Management

Islamic Finance

- Retirement Planning
- Islamic Financial Planning
- Islamic Investment

Why

Choose QIU?

1

QIU is the only University in the Northern region of Malaysia offering a Bachelor's degree in Actuarial Science.

2

The only Actuarial Science programme in Malaysia offering 4 specialisations in Financial Planning, Banking, Data Science and Islamic Finance.

3

Our BAS programme is designed to enrich students' Intelligence Quotient (IQ), Emotional Quotient (EQ), Social Quotient (SQ) and Financial Quotient (FQ).

4

Fully recognised by Malaysian and international professional bodies.

5

Students will be exempted for up to six out of seven modules under the Registered Financial Planner (RFP). They complete their last module in QIU to gain full-modules exemption before graduating.

6

Module exemptions for the Financial Advisor Representative (FAR) license from Bank Negara Malaysia (BNM) and the Capital Market Service Representative License (CMSRL) from the Securities Commission Malaysia (SC).

7

Module exemptions for the Certified in Quantitative Risk Management (CQRM) from the International Institute of Professional Education and Research (IIPER), USA.

8

Core courses are designed according to the requirements of the USA's Society of Actuaries (SoA). Students are granted 3 VEE (Validation Education Experience) credits exemptions, and the curriculum will cover all six SOA examinations for the Associate of SoA (ASA) pathway.