



## Saluran Terbuka Universiti Malaya (SATU)

University of Malaya's Open Channel

# BACHELOR OF ACTUARIAL SCIENCE

To produce graduates with (sound) knowledge of actuarial and financial mathematics, capable of critical thinking and problem solving; who can adapt to diverse environment and contribute significantly in various professions.

### BENEFITS

At the end of the program, graduates with B.Sc. in Actuarial Science are able to:

- ◆ Explain the principles and concepts of actuarial science, finance, statistics and mathematics.
- ◆ Apply actuarial science, finance, statistics and mathematics concepts to solve real-world problems.
- ◆ Conduct professional activities with good social skills and demonstrate a sense of responsibility.
- ◆ Practice characteristics associated with professionalism and ethical responsibility in analyzing real life phenomena.
- ◆ Communicate using critical thinking with effective, accurate and relevant concepts, and exhibit team work and leadership skills.
- ◆ Convert problems into mathematical and statistical models, and develop scientific strategies to obtain solutions;
- ◆ Engage in life-long learning to advance knowledge and applications of actuarial science, finance, statistics and mathematics;
- ◆ Apply managerial and entrepreneurial skills to manage resources needed to complete a task.

### CAREER OPPORTUNITY

If you're looking forward for challenging and high return opportunities, the actuarial field is worth your choice. The career opportunities are vast ranging from insurance to finance, banks, investment as well as security and commodity companies. With the modern demand for risk modelling the chance expand wider to include the non-finance corporate firms. Graduates of our department are expected to be equipped with necessary actuarial tools to face the real demand of the market.

### FEES

RM42,750

### COURSE STRUCTURE

A total of 145 credits are required to complete the Bachelor of Economics programme as follows;

Courses	Credit
<b>a. University Courses</b>	22
<b>b. Core Courses (83 Credits)</b>	
1. Faculty Core Courses (TF)	8
2. Program Core Courses (TP)	
- Level 1	17
- Level 2	26
- Level 3	16
- Level 4	16
<b>c. Elective Courses (40 Credits)</b>	
1. Program Elective Courses (EP)	31
2. Faculty Elective Courses (EF)	9
<b>Total</b>	<b>145</b>

### INTAKE SCHEDULE

The academic programme follows the semester system and commences in September (for Semester 1) and February (for Semester 2). The minimum period of study is 8 semesters and the maximum period of study is 12 semesters.

Closing date : 24 August 2018



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(SATU)  
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**BACHELOR OF  
ACTUARIAL SCIENCE**

### Entry Requirement

#### STPM (Current Year) - Science Stream

- Passed the STPM with at least a **CGPA of 3.50; and**
- Obtained at least **Grade A-** in STPM level in the following subjects:
  - Mathematics T**and**
- Obtained at least **Grade B+** in STPM level for any one (1) of the following subjects:
  - Biology
  - Physics
  - Chemistry**and**
- Obtained at least **Band 2 in MUET**

#### MATRICULATION/ FOUNDATION - Science Stream

- Passed the Matriculation/Foundation with at least a **CGPA of 3.50; and**
- Obtained at least **Grade A-** in Matriculation/Foundation in the following subjects:
  - Mathematics;**and**
- Obtained at least **Grade B+** in Matriculation/Foundation program for any one (1) of the following subjects:
  - Biology
  - Physics/Engineering Physics
  - Chemistry/Engineering Chemistry**and**
- Obtained at least **Band 2 in MUET**

#### DIPLOMA/EQUIVALENT - Science Stream

##### REQUIREMENT 1

- Possess a Diploma in related fields from Public University / other institutions recognized by the Government of Malaysia and approved by the University's Senate with at least **CGPA 3.50; and**
- Obtained at least **Band 2 in MUET**

**OR**

##### REQUIREMENT 2

- Passed the STPM not in current year with at least **CGPA 3.50** and fulfils the program specific requirements as follows:
  - Obtained at least **Grade A-** in STPM level in the following subjects:
    - Mathematics T; **and**
  - Obtained at least **Grade B+** in STPM level for any one (1) of the following subjects:
    - Biology
    - Physics
    - Chemistry**and**
  - Obtained at least **Band 2 in MUET**

**OR**

##### REQUIREMENT 3

- Passed the Matriculation/ Foundations not in current year with at least **CGPA 3.50** and fulfils the program specific requirements as follows:
  - Obtained at least **Grade A-** in STPM level in the following subjects:
    - Mathematics;**and**
  - Obtained at least **Grade B+** in STPM level for any one (1) of the following subjects:
    - Biology
    - Physics/Engineering Physics
    - Chemistry/Engineering Chemistry**and**
  - Obtained at least **Band 2 in MUET**

#### OTHER REQUIREMENTS - Science Stream

##### REQUIREMENT 1

- Passed the GCE A-Level with at least **grade B** in the following subjects:
  - Mathematics/Further Mathematics;**and**
- Obtained at least Grade B in one (1) of the following subjects:
  - Biology
  - Chemistry
  - Physics
  - Mathematics/Further Mathematics**and**
- Obtained at least **Band 2 in MUET**
- or**
- Obtained at least **Band 4 in IELTS (Academic)**
- or**
- Obtained score of at least 437-473(PBT) /123-150(CBT)/ 41-52(IBT) in TOEFL.

**OR**

##### REQUIREMENT 2

- Possess the International Baccalaureate Diploma (IB) with at least 30 point score and obtained at least grade 5 (Higher Level) in the following subjects:
  - Mathematics/Further Mathematics;**and**
- Obtained at least Grade B in one (1) of the following subjects:
  - Biology
  - Chemistry
  - Physics
  - Mathematics/Further Mathematics**and**
- Obtained at least **Band 2 in MUET**
- or**
- Obtained at least **Band 4 in IELTS (Academic)**
- or**
- Obtained score of at least 437-473(PBT) /123-150(CBT)/ 41-52(IBT) in TOEFL.



#### Further information:

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