



## Saluran Terbuka Universiti Malaya (SATU)

University of Malaya's Open Channel

Special channel for admission of students into  
UM's Bachelor Degree Programmes

# BACHELOR OF COMPUTER SCIENCE (Artificial Intelligence)

### COURSE STRUCTURE

A total of 128 credits are required to complete the Bachelor of Computer Science (Software Engineering) programme as follows;

Courses	Credit
a. University Courses	20
b. Faculty Core Courses	17
c. Faculty Elective Courses	6
d. Programme Core Courses	55
- Industrial Training : 12 credits	
- Specialization Elective Courses : 30 credits	
<b>Total</b>	<b>128</b>

(Note : Not all courses will be offered every semester; the actual courses offered will depend on the availability of staff and the number of students registering).

### FEES

RM57,240

This programme equips students with the knowledge and skills to design and develop computer systems that emulate and exhibit human intelligence. Students will learn the theoretical and practical aspects of Robotics, Cognitive Science, Image Processing, Natural Language Processing, Machine Learning, Artificial Neural Network, Fuzzy Logic, Expert Systems and Logic Programming. Students will apply their skills and knowledge through the development of real world applications in their final year projects.

### CAREER OPPORTUNITY

Graduates of this programme may choose to be one (but not limited to) of the following:

- System Engineer
- Knowledge Engineer
- System Analyst
- Programmer
- Game Developer
- Academician
- Researcher

### 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 7 semesters and the maximum period of study is 11 semesters.

Closing date : 24 August 2018

## Entry Requirements

A Malaysian candidate who wishes to pursue a programme of study at the University of Malaya must fulfill the University's entry requirements as follows:

- (1) Passed the Sijil Pelajaran Malaysia (SPM) with a credit (Grade C) in Bahasa Melayu/Bahasa Malaysia subject or a credit (Grade C) in Bahasa Melayu/Bahasa Malaysia July paper and pass in History (SPM 2013 and above); **and**
- (2) Achieve a minimum Band in the Malaysian University English Test (MUET) as required in special requirements of the programme; **and**
- (3) Fulfilled any of the programme Special Entry Requirements as below:

## Special Entry Requirements

### STPM (Current Year) - Science Stream

- Passed the STPM with at least CGPA 3.00; **and**
  - Obtained at least grade B at the STPM level in two (2) of the following subjects:
    - Mathematics T / Physics; **and**
    - Mathematics T / Physics / Chemistry / Biology / Information and Communications Technology (ICT)
- and**
- Obtained at least Band 2 in MUET

### MATRICULATION/ FOUNDATION - Science Stream

- Passed the Matriculation / Foundation with at least CGPA 3.00;
  - Obtained at least Grade B at the Matriculation/Foundation level in two (2) of the following subjects:
    - Mathematics/Physics/Engineering Physics; **and**
    - Mathematics / Physics /Engineering Physics/ Chemistry/ Engineering
    - Chemistry / Biology / Computer Science / Computing
- and**
- Obtained at least Band 2 in MUET

### DIPLOMA/EQUIVALENT - Science Stream

#### REQUIREMENT 1

- Possess a Diploma in Computer Science or Diploma in Information Technology from Public University / other institutions in related fields recognized by the Government of Malaysia and approved by the University's Senate with at least CGPA 3.00; **and**
- Obtained at least Grade B at the Diploma level in Mathematics; **and**
- Obtained at least Band 2 in MUET

**OR**

#### REQUIREMENT 2

- Passed STPM not in current year with at least CGPA 3.00 and obtained at least grade B in two (2) of the following subjects:
    - Mathematics T / Physics; **and**
    - Mathematics T / Physics / Chemistry / Biology / Information and Communications Technology (ICT)
- and**
- Obtained at least Band 2 in MUET

**OR**

#### REQUIREMENT 3

- Passed the Matriculation / Foundation not in current year with at least CGPA 3.00;
  - Obtained at least Grade B at the Matriculation/Foundation level in two (2) of the following subjects:
    - Mathematics/Physics/Engineering Physics; **and**
    - Mathematics / Physics /Engineering Physics/ Chemistry/ Engineering
    - Chemistry / Biology / Computer Science / Computing
- and**
- Obtained at least Band 2 in MUET

## OTHER REQUIREMENTS

#### REQUIREMENT 1

- Passed the GCE A-Level with at least grade A in Mathematics; **and**
  - Obtained at least Grade B in one (1) of the following subjects:
    - Computing
    - Physics;
    - Further Mathematics;
    - Chemistry;
    - Biology;
- 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 International Baccalaureate Diploma (IB) with at least 30 point score and obtained grade 5 (Higher Level) in Mathematics; **and**
  - Any one (1) of the following subjects:
    - Chemistry;
    - Physics;
    - Computer Science;
    - Biology;
- 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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