



# Undergraduate

2022/2023 Session



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## Bachelor of Computer Science (Honours)

R2/481/6/0138 01/2029, MQA/FA 14297  
MBOT/FA/IT/0/02/0001

# BACHELOR OF COMPUTER SCIENCE (HONOURS)

## INTRODUCTION

This programme is designed with the purpose to introduce the concepts and technologies of computing, in particular software engineering, networking and security, mobile computing, business analysis and cloud computing. Students will acquire the skills and concepts related to the design, development, and use of application computing. Concepts related to general computing such as databases, system analysis and design, human computer interaction and programming will also be included. In addition to concepts and theories related to computer science, this programme also aims to provide students with practical skills that meet the demands of the computer industry, particularly in software establishment, data analysis, public architecture, mobile applications and network security. Students will also learn soft and foreign language skills, which are required in today's business environment.

## MODULES

### FIRST YEAR

#### CORE MODULES

- Information Technology and System
- Problem Solving and Computer Programming
- Computer Organization & Assembly Language
- Operating System
- Introduction to Network
- Object Oriented Programming
- Calculus
- System Analysis & Design Technical
- Algebra
- Technical Communication I
- Technical Communication II

### SECOND YEAR

#### CORE MODULES

- Human Computer Interaction
- Discrete Mathematics
- Data Structure & Algorithm
- Database System
- Statistic
- Theory of Computer Science
- Multimedia Technology
- Software Engineering
- Project Management (Elective)
- Web Application and Development
- Mobile Computing
- Entrepreneurship
- Technical Communication III

### THIRD YEAR

#### CORE MODULES

- Artificial Intelligence
- Research Method
- Final Year Project I
- Object Oriented System Analysis and Design
- Professional Ethics
- Information Security
- Final Year Project II
- Distributed System
- Ethical Hacking & Defense (Elective)
- Visual Programming (Elective)
- Data Mining (Elective)

### FOURTH YEAR (FIRST SEMESTER) Industrial Training

# Admission Requirements

## QUALIFICATIONS

- **MATRICULATION**  
Pass Matriculation or Foundation or STPM or equivalent with a minimum CGPA 2.00 and obtain credit in following subjects at SPM level or equivalent:
  - a) Additional Mathematics **OR**
  - b) Mathematics **AND** either one (1) Science, Technology or Engineering related subject.
- **STPM**  
Pass STPM in Science stream or equivalent, with a minimum Grade C (CGPA 2.00) in one (1) Mathematics subject **AND** one (1) Science/ ICT subject.
- **\*DIPLOMA**  
Diploma in Computer Science **OR** Software Engineering **OR** Information Technology or equivalent with a minimum CGPA 2.50

### OR

Any Diploma in science and technology with a minimum CGPA 2.50.

**\*Note:** Diploma holders with CGPA below 2.50 but above 2.00, can be accepted with subject to a rigorous internal evaluation process by the university.

## ENGLISH LANGUAGE

- **IELTS** Minimum Band 5.0
- **TOEFL** iBT 42 and above
- **MUET** Band 3 or higher
- **PTE** 47 and above

*Note: International students with no English Language certificate will be given a conditional offer as requirement by Education Malaysia Global Services (EMGS).*



## Information



### Full Time

3.5 years (7 semesters)



### Intakes

February/April/ July/ September



### Full Time (Local)

Registration Fee: RM670.00  
Semester Fee: RM5,985.00

### Full Time (International)

Registration Fee: RM670.00  
Semester Fee: RM8,560.00

# Application Guidelines

## MALAYSIAN QUALIFICATIONS

### Step 1

Log on to

<https://ecampus.tatiuc.edu.my/pelajar/apply.php>  
to create an account and fill in required information.

## OTHERS

### Step 1

Log on to

[http://ecampus.tatiuc.edu.my/pelajar/apply\\_olevel.php](http://ecampus.tatiuc.edu.my/pelajar/apply_olevel.php)  
to create an account and fill in required information.

### Step 2

Upload all supporting documents and confirm the application submission

### Step 3

Check the application status online at the same website. The result will be received within 1 week after the application is made.



## For International Students

Please submit your offer letter and all passport pages to International Unit ([igs@uctati.edu.my](mailto:igs@uctati.edu.my)) for visa arrangement prior your departure to Malaysia.





For online application, please visit:  
Malaysian Qualifications: <https://ecampus.tatiuc.edu.my/pelajar/apply.php>  
Others: [http://ecampus.tatiuc.edu.my/pelajar/apply\\_olevel.php](http://ecampus.tatiuc.edu.my/pelajar/apply_olevel.php)

**For further enquiries:**  
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DISCLAIMER: The information in this prospectus is correct as of April 2022. Changes in circumstances after this date may alter the accuracy of the information. UC TATI reserves the right to change any information in this prospectus without prior notice.