

BACHELOR IN SOFTWARE ENGINEERING (HONS)



PROGRAMME OVERVIEW

The degree in Software Engineering programme is designed to prepare students who want to pursue a future in the software engineering industry with in-depth knowledge, skills and technical know-how to design an entire engineering system.

This Programme is delivered by our parent university WOU at their campus located in central Georgetown Penang

PROGRAMME STRUCTURE & COURSES

The typical course units, totalling 120 Credits, are as follows:

Year 1

Semester 1

Programming Foundation
Front-end Development
UI Framework

Semester 2

Database Design and Implementation
Web Development Foundation
Capstone Project - Web Development

Semester 3

Web Development using Platform
Develop Enterprise Applications
Applications Integration

Year 4

Semester 1

MPU 1 (Appreciation of Ethics and Civilization)
MPU 2 (Philosophy and Current Issues)
MPU 3 (National Language A [for student without SPM credit in BM] OR Decision Making Skills [for students with SPM credit in BM])

Elective 4

Semester 2

Industrial Training

Semester 3

Elective 5
Technopreneuship
DSE Project 1

Year 2

Semester 1

Applications Development & Processes
Apps Development
Capstone Project - Application Development

Semester 2

Discrete Structures
Software Engineering
Data Communication Skills

Semester 3

Systems Security
Software Development Models
Systems Analysis & Design

Year 5

Semester 1

Creative & Problem Solving
MPU 4 (Co-curriculum)
DSE Project 2

WHY BACHELOR IN SOFTWARE ENGINEERING

- Graduate with 3 years of working experience
- Highly-skilled degree with WOU Industrial Integration
- Top 3 Malaysia's Top In-Demand Jobs
- No. 1 Top Trending Jobs
- No. 2 Highest Fresh Graduate Salaries

Year 3

Semester 1

Software Scalability and Reengineering
Software Project Management
Software Reliability & Quality Assurance

Semester 2

Collaborative & Working with Others

Business Communication Skills

Elective 1

Semester 3

Elective 2

Elective 3

Digital Commerce Foundations

ASSESSMENT SYSTEM

Combination of assignments, projects, quiz, class tests and examinations.

DURATION OF STUDY

Intakes are available as follows:
January, May and September intakes
4 years and 1 semester.

AWARDING INSTITUTION

WOU, delivered at their George Town City Campus

STUDY PATHWAY

SPM /
O-Level /
IGCSE /
UEC or
equivalent



Matriculation or
Foundation in Arts /
STPM (Science Stream or
equivalent) /
UEC /
DISTED Diploma



Bachelor in
Software Engineering
(Hons)

MINIMUM ENTRY REQUIREMENTS

Matriculation / Foundation

With a minimal CGPA of 2.00 and a credit in Additional Mathematic at SPM level; OR credit in Mathematic and any Science/Technology/Engineering subject at SPM level.

STPM (Science Stream or equivalent)

2Cs or CGPA 2.00 with a Credit in a Mathematic subject and a Credit in a Science or ICT subject.

A-Level

Pass A-Level with 2Ds AND a credit in SPM for Additional Mathematics OR Mathematics and 1 of the Science OR Engineering subject.

UEC

5 Credits (5Bs) inclusive of a credit in Additional Mathematics

Diploma

Diploma in Computer Science or Software Engineering or Information Technology or Information System or Related Diploma in Science and Technology and pass with with minimum CGPA 2.50.

Mathematics Requirement:

1. Students MUST have attained a 'CREDIT' in ADDITIONAL MATHEMATICS at SPM/O Levels or equivalent; OR
2. MUST have attained a CREDIT in MATHEMATICS and a CREDIT in either a SCIENCE, TECHNOLOGY or ENGINEERING subject for SPM/O Levels or equivalent. Students using requirement (2) for admission will need to enrol and pass a supplementary mathematics subject to be taken concurrently in Degree

Accreditation of Prior Experiential Learning (APEL)

- The candidate should be at least 21 years of age in the year of application and possess relevant work experience.
- Other equivalent qualifications recognised by the Malaysian Government.

English Proficiency Requirement

IELTS
Band 5.0
TOEFL
34 (Internet Based Test)
MUET
Band 3

UEC English
B6
O-Level
Grade C
1119 (GCE-O)
Grade C

Pre-University / Diploma
Completed Pre-U /
Diploma that was
conducted in English