Diploma in
Computer Science

Programme Title	: Diploma in Computer Science
KPT	: KPT (R3/481/4/0746)
MQA Code	: MQA / FA2240
Duration of study	: 2 year 8 Months

Entry Requirement:

i. Possess SPM with at least THREE (3) credits in any subjects (inclusive of Mathematics or any equivalent qualification); OR

ii. A pass in Sijil Tinggi Persekolahan Malaysia (STPM) with a minimum grade of C [Cumulative Grade Point Average (CGPA) 2.00] in any subject or equivalent qualification and a credit in Mathematics at SPM level or its equivalent; OR

iii. A pass in Sijil Tinggi Agama Malaysia (STAM) with a minimum grade of Maqbul (Pass) and a credit in Mathematics at SPM level or its equivalent; OR

iv. Possess SKM Level 3 and a credit in Mathematics at SPM level or its equivalent; OR

v. A Certificate (Level 3, MQF) in any qualification with at least a CGPA of 2.00; OR

vi. A pass in any qualification equivalent to certificate (Level 3, MQF); OR

vii. Other relevant & equivalent qualifications recognised by the Malaysian Government.

Overview:

The Diploma in Computer Science (DCS) program aims to prepare students for careers in computer science or further studies. Students will gain skills in programming, databases, data modeling, and software implementation. Graduates will be ready for various roles, from theoretical work to software development, and can adapt to new ICT innovations. They will be capable of designing and implementing software, solving computing problems, and managing technology infrastructure.

Notes:

● Candidates with a pass in Mathematics at an SPM level or its equivalent may be admitted if the certificate programme contains subjects in Mathematics that are equivalent to Mathematics at SPM level.

● Candidates with a pass in Mathematics at SPM level and without a related certificate need to take a reinforcement Mathematics subject with appropriate topics in the discipline of Computing at the beginning of the study.

● Candidate with a credit in a Computing-related subject at SPM level or its equivalent may be given preferential consideration.

Course Structure:

1. PENGHAYATAN ETIKA DAN PERADABAN / BAHASA MELAYU KOMUNIKASI 1
2. ENGLISH INTERMEDIATE STUDIES
3. ENGLISH FOR ADVANCED STUDIES
4. MALAYSIAN STUDIES
5. INTRODUCTION TO DISCRETE MATHEMATICS
6. DATA STRUCTURE & ALGORITHM
7. INTRODUCTION TO DATABASE MANAGEMENT SYSTEM
8. HUMAN COMPUTER INTERACTION
9. COMPUTER ORGANIZATION & ARCHITECTURE
10. BAHASA KEBANGSAAN A / KURSUS INTEGRITI ANTI RASUAH / MEDIA SOCIETY
11. PRESENTATION SKILLS / BASIC QURANIC SKILL
12. STRUCTURED PROGRAMMING
13. INTRODUCTION TO CALCULUS
14. USRAH: MODULE 1
15. USRAH: MODULE 2
16. OPERATING SYSTEM
17. ADVANCED PROGRAMMING
18. ETHICS IN COMPUTING
19. DATA & NETWORKING TECHNOLOGY
20. NETWORK DESIGN & MANAGEMENT
21. OBJECT ORIENTED PROGRAMMING
22. PRINCIPLES OF ARTIFICIAL INTELLIGENCE
23. WEB APPLICATION DEVELOPMENT
24. SOFTWARE ENGINEERING
25. FINAL PROJECT
26. PRACTICAL TRAINING
27. USRAH IN ACTION
28. INTRODUCTION TO CYBER SECURITY

Elective Course

29. BUSINESS COMMUNICATION
30. TECHNOPRENEURSHIP
31. INFORMATION TECHNOLOGY FUNDAMENTAL
32. MULTIMEDIA TECHNOLOGY & DESIGN
33. INTRODUCTION TO BUSINESS INTELLIGENCE

Study Pathway :

Graduates students are able eligible for 39 credit hours transfer for Bachelor in Information Technology or Bachelor in Computer Science (International Islamic University Malaysia) or they could further their studies at any public and private institution of higher learning locally or abroad.

Career Prospect :

Diploma in Computer Science holders are needed in both private and public sector. There are many career opportunities available for graduates of this programmes since most organizations require IT personnel. A computer science graduate has a wide range of job designations to choose from. Among the many designations that may be filled by the graduates are; Web Designer, System analyst, Database Administrator, Software Developer, Programmers and other related posts.

Assessment

Continuous Assessment : 60%
Final Examination : 40%
To pass the course, students must 50% of the total marks.

Scan For Register

For more information

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Kolej Islam Antarabangsa - IIC

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