



# UK Degree IT AND NETWORKING

Year 1 (Level 4) & Year 2 (Level 5)



**Flexible Way of Study  
at Your Own Pace**



**Easy Access from  
Anywhere and Anytime**



**Complete A Recognized  
UK degree from Home**

The program is designed to advance the knowledge of information technology and the application of IT for the learners. The program will support learners in acquiring crucial skills to adapt to today's computing professionals.

This is a 240 credits course designed for students to progress to the final year of studies in an associated Undergraduate degree in IT and Networking. Students can either choose to complete the final year at a UK university on campus or via distance learning.

UK Degree program can be completed 100% study through online.

Year 1 (Level 4 IT and Networking) which is equivalent to the first year of a University Degree, consist of 120 credits, has 10 modules and associated multiple assessments.

Year 2 (Level 5 IT and Networking) which is equivalent to the second year of a University Degree, consist of 120 credits, has 6 modules and associated multiple assessments.

Year 3 Complete the final year to get a BSc (Hons) degree from study at one of the universities in UK on side or through flexible way of online study.

**AXISMATICS**  
Professional Institute

#### a. Intakes of the year

January and September

#### b. Fees

Students can choose to make payment by using one of the following methods:

- Credit/Debit Card
- Bank Transfer
- Interest free monthly installment
- For more information, please whatsapp to 018-3884358 or email to [info@axismatics.edu.my](mailto:info@axismatics.edu.my)

#### c. Fees inclusive of:

- All course materials, including online modules and written assignments.
- Access to the learning management system
- Tutor support for synchronous learning sessions.
- Assignment assessment and feedback.

#### d. Entry requirement:

Compulsory in one of the following

- UEC 5B (including Mathematics) or equivalent
- Pre U / Foundation/ STPM / Matriculation / AUSMAT: Passed with a minimum of CGPA 2.0 or an average of 60% and above
- A Level - Minimum EE, including Mathematics

Optional

- English language proficiency: TOEFL 530 / IELTS 5.5 / MUET Band 3.0

#### e. Year 1 (Level 4) module listing:

##### Computer Systems and Software

This module will develop learners' understanding of the integration of hardware and software components.

##### Computer Programming

Learners will use different tools and techniques to design, implement and test programs, following the system life cycle.

##### Relational Database Systems

This unit will develop learners' understanding of database systems and data analysis and modelling.

##### Software Engineering

Learners will gain an understanding of the need for Software Engineering and the different methods and techniques.

##### Systems Analysis and Design

This module provides an understanding of IS concepts and how they relate to organisation needs in respect of business processes and transformation of information.

##### E-Commerce Applications

This module explores the role of e-commerce in the modern world and in particular the identification of aims and objectives within a business and the design issues arising from the definition of requirements.

##### Human Computer Interaction

This module will develop students understanding of principles and models of human computer interaction and evaluate existing HCI design and principles and use this to help them plan their own prototype multimedia user interface.

##### IT and Society

This module examines the impact of technology on society and explores trends and changes created. It will examine management issues and potential conflicts in terms of security and data management.

##### Information Systems Project Management

This module explores elements of project management key to successful development and implementation of specific IT projects.

##### Management Information Systems

This module focuses on understanding concepts of information systems and how they support business needs in terms of information processing and data processing.

#### f. Year 2 (Level 5) module listing:

##### Technopreneurship

This unit aims to provide learners with the knowledge and skills needed to establish a new techno business. It includes understanding the characteristics of entrepreneurs, planning, marketing and finance.

##### Network Security

This unit aims to provide learners with knowledge of network security issues in a networked environment and the process of preventing and detection common security incidents

##### C#.NET Programming

This unit aims to provide learners with the basic concepts and principles of ASP.NET programming using C#. This will enable learners to understand how to create dynamic web pages using server side programming techniques

##### System Administration

This unit aims to provide the knowledge needed to administer a system in Linux and Windows. Topics covered include user and group management; file system management; task automation; shell scripting; Dynamic Host Configuration Protocol (DHCP) servers; mail servers; domain name servers; files and printers sharing; basic utilities and tools; application management; registry; local and group policies; backup policies; restore policies and performance tuning

##### Network Routing and Switching

This unit aims to deliver the knowledge needed to carry out switching and the knowledge and skills needed to carry out routing – how to set up and configure a router and switches to interconnect a multi area network. The unit covers computer networks routing and switching including Router Information Protocol (RIP); Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF).

##### Network Design and Administration

This unit aims to provide the knowledge and skills needed to enable learners to design a network i.e. how to scale and connect different networks to form an effective inter-connecting network. It covers hierarchical network design; gathering network requirements; identifying network performance issues.

#### g. List of written assignment:

Each module of learning material required of an approximately average of 40 guided learning hours of study. On completion of the module, each student will be given an MCQ questionnaire. This is to let the student to review themselves on the understanding of the syllabus of the module.

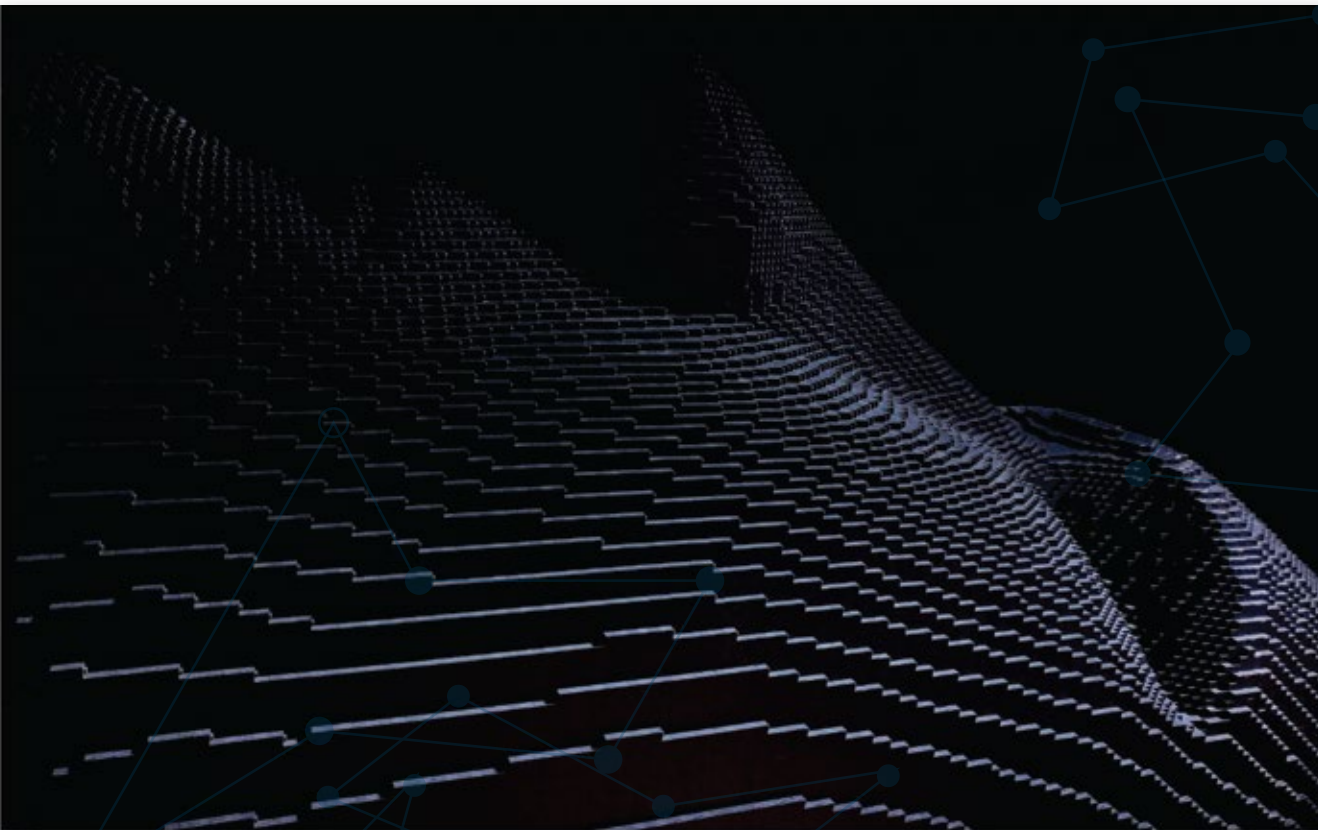
Students need to complete 10 written assignments at Level 4 and 6 written assignments at Level 5. We recommended a word count between 5,000-8,000 words for each assignment. Credits are awarded upon the successful completion of an assignment, accumulating to the 120 required to pass each level. Student will receive a certificate per level. The two certificates equate to the 240 credit for the whole course.

The assignment unit titles for the Year 1 (level 4):

1. Management information systems
2. IT and society
3. Computer systems and software
4. Computer programming
5. Relational database systems
6. Software engineering
7. Systems analysis and design
8. E-commerce applications
9. Human computer interactions
10. Information systems theory

The assignment unit for the Year 2 (Level 5)

1. Technopreneurship
2. Network Security
3. C#.NET Programming
4. System Administration
5. Network Routing and Switching
6. Network Design and Administration



#### h. Mode of study

Each student will be given a unique code to access to the learning materials online through a specific portal. Student can access to the learning portal at any time and at anywhere provided with a good internet connection.

#### i. University Degree Top Up – Final Year

Upon successful completion of the 240 credits, you can choose to top up your undergraduate degree through an accredited UK university in UK campus or via online /distance learning. The fees and cost of finishing the degree on campus will vary depending on which university a student choose.

For university degree top up –Final year, you have options to choose some of the universities below:

University of Derby  
Southampton Solent University  
University of Central Lancashire  
Middlesex University

#### j. Career Path

Upon completion of the IT and Computing degree, a graduate could venture themselves into the programming, systems analysis, software development. IT support engineers, network engineers, systems administrators and IT teachers, network and security professionals, web and software developers.

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