ATHE Level 4
Diploma in Computing

Qualification Number: 610/3264/5

Course Overview

These computing qualifications cover a broad range of computing specialisms and were developed to provide a foundation of skills and knowledge for those working in a variety of roles such as Programming, Information Systems Management, Web Development, Software Engineering and more.

What does the qualification progress to?

The qualification was designed to support progression to the Level 5 Diploma in Computer or provide entry into the Second year of a Bachelor's Degree Programme.

What does this qualification cover?

ATHE Level 4 Diploma in Computing (RQF) consists of the following 10 mandatory units that provide a total of 120 credits.

Qualification Modules

IT and Society
Computer Systems and Software
Computer Programming
Relational Database Systems
Software Engineering
Systems Analysis and Design
E-commerce Applications
Human Computer Interaction
Information Systems Theory and Practice
Management Information Systems

Entry Requirements

- A GCE Advanced level profile with achievement in 2 or more subjects supported by 5 or more GCSEs at grades C and above
- Other related level 3 subjects
- An Access to Higher Education Certificate delivered by an approved further education institute and validated by an Access Validating Agency
- Other equivalent international qualifications
- Learners should be 19 years or over

Human Computer Interaction

Learners will develop understanding of principles and models of Human Computer Interaction (HCI). They will evaluate existing HCI design and principles and use this to help them plan their own prototype user interface. They will formulate design documentation to plan an interface for a product. Learners will implement the plan to create a prototype. Learners will review and amend the prototype based on user feedback.

Management Information Systems

Learners will investigate different management information systems and evaluate the common features. They will analyse an existing information system in use by an organisation. They will review records, observe performance and understand the legal and organisational requirements that apply to an information system. They will use their findings to recommend improvements to a management information system and they will present their findings to a client.

IT and Society

Learners will understand ethical, legal and regulatory issues relating to IT. They will also understand the impact of IT on society.

Computer Programming

Learners will use different tools and techniques to design, implement and test programs, following the system life cycle. They will use an appropriate programming language and learn about the principles of good programming to enable them to create computer programs.

Computer Systems and Software
This unit will develop learners' understanding of the integration of hardware and software components. Learners will explore how hardware serves specific computer processing functions and investigate the use of various software applications.

Relational Database Systems
This unit will develop learners' understanding of database systems and data analysis and modelling. They will understand how normalisation and functional dependency theory is used to design a relational database and how the client-server model is used.

Information Systems Theory and Practice
Learners will understand the benefits of using information systems to plan a project. They will use an information system to plan and implement an information systems project.

Systems Analysis and Design
Learners will be able to understand the systems development life cycle and the role of systems methodologies within the life cycle. Learners will be introduced to different fact finding and problem solving techniques and they will use these to analyse an existing system. They will recommend improvements and plan to implement these improvements for a client.

eCommerce Applications
Learners will learn about different eCommerce models and applications and how they can be used to develop eCommerce in a small business. They will research the stages involved in setting up eCommerce and they will use eCommerce applications to meet a client brief.

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

Assessment and Verification
All units within this qualification are internally assessed via assignments and externally verified by awarding organisation. There are no examinations in this course.

Course Material
All course material, including presentations, handouts, assignment briefs and e-books are made available to enrolled learners. In addition to this, the learners also get the course handbook and tutorial via emails to support the learning.

Online Learning
The learner sets the pace for learning and the courses are offered across an academic year basis. Although our tutors encourage the learners to make progress monthly, but this approach is flexible.

Certification
The Diploma is issued by the ATHE – Awarding Organisation. UK Versity Online Limited (Number 889) is an accredited and approved delivery Centre for ATHE qualifications.

Fees £1500* + VAT
The fee includes registration, assessment, teaching and certification. There is no other hidden cost.

Key Facts
- Awarding Body: Awards for Training and Higher Education (ATHE)
- Course Duration: 6-12 months
- Method of study: Full Time / Blended / Distance Learning
- Qualification Level: 4

Disclaimer
We do everything we can to ensure that information on our website is correct, however details may change and we cannot accept responsibility for errors or omissions. For more detailed information about the course visit ATHE official website on https://athe.co.uk/level-4-computing/

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