

ATHE Level 4 Diploma in Computing

Qualification Overview

The ATHE Level 4 Diploma in Computing is a 120 credit size Ofqual regulated qualification. It provides the core knowledge, understanding and skills to support learners planning to further their studies in computing.

It is equivalent size and level to the first year of a degree programme in computing.

Qualification Details

Qualification title	ATHE Level 4 Diploma in Computing
Qualification number	601/4740/4
Size	120 credits (480 Guided Learning Hours)
Structure	10 mandatory units totalling 120 credits
Entry Requirements	Age: 19 + Entry profile: <ul style="list-style-type: none"> • 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
Modes of Study	Classroom, distance learning, blended
Assessment	Assignment
Overall Grading Type	Achieved/Not Achieved
Fees	Registration and verification fees per learner per qualification apply. If you are a learner, please contact a recognised ATHE centre to find out more on course details, fees and start dates. Centres can go to www.athe.co.uk/learner-registrations to request a fee structure applicable to their location.
SFA funding	Eligible for Advanced Learner Loans

Qualification Content

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.

Software Engineering

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

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.

E-commerce Applications

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

Progression

ATHE Level 4 Diploma in Computing

University

entry to the second year of a Bachelor Degree programme at a university such as Limerick Institute of Technology.

See www.athe.co.uk/progression

Further ATHE qualifications

a level 5 ATHE qualification
e.g. ATHE Level 5 Diploma in Computing.

Find Out More

Awards for Training and Higher Education is an Ofqual Regulated Awarding Organisation that provides centres with a wide variety of qualifications including, but not limited to; business, administrative management, tourism, law, computing and health and social care.

We have made a name for ourselves with good customer service, excellent quality standards and rewarding qualifications with progression routes to university degrees.

For any general queries, you can contact us via email on enquiries@athe.co.uk or telephone **+44 (0)1603 760 030**

