ATHE Level 5
Diploma in Computing

Qualification Number: 610/3715/1

Course Overview

Learners who wish to pursue a senior role in information systems management, programming, web development or software engineering can use the Level 5 Diploma in Computing to support their progression.
Building on the Level 4 Diploma in Computing, the Level 5 Diploma in Computing includes core areas such as programming, but also higher-level subjects such as Strategic Management Information Systems, Computing Research Methods, and Managing a Computing Project. The qualification was designed to support progression to the third year of a Bachelor Degree in Computer Science.

What does the qualification progress to?

Learners who complete this qualification can progress to the ATHE Level 5 Diploma in Computing, which provides entry to the third year of a Bachelor's Degree at a university such as one of our university partners, Southampton Solent University. For more information, please visit our progression routes page.

What does this qualification cover?

ATHE Level 5 Diploma in Computing (RQF) consists of the following 10 mandatory units that provide a total of 120 credits.

Qualification Structure:

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Qualification Modules

Cyber Security
Database Design and Development
Web Based Development
Network Design
Ethical, Legal and Regulatory Issues and Professional Responsibilities in IT
Strategic Management Information Systems
Innovative Technologies in Computing
Computing Research Methods
Managing a Computing Project
Software Development Methodologies

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

Cyber Security

Learners will develop an understanding of the importance of cyber security to organisations. They will understand industry standards of cyber security and be able to recommend improvements in security to a client's network.

Web-Based Development

Learners will develop an understanding of web-based development. They will research different technologies that can be used to create dynamic and interactive websites and they will use this research to develop their own website. They will investigate e-marketing and SEO techniques to promote websites and they will suggest appropriate techniques to solve a business problem. Learners will create a back end database to allow the database to interact with the website. They will critically review the web-based solution against client requirements.

Innovative Technologies in Computing
Learners will develop an understanding of innovative developments in technology and their impact on the computer industry.

Software Development Methodologies
Learners will learn about using software development methodologies to develop an information system.

Network Design
Learners will learn IT network design fundamentals and will design a network for a client in accordance with a design brief.

Database Design and Development
Learners will extend their understanding of database design and development. They will research database management systems and will design and implement a complex database.

Ethical, Legal and Regulatory Issues and Professional Responsibilities in IT
Learners will develop an understanding of ethical, legal and regulatory issues and professional responsibilities relating to working in IT.

Strategic Management Information Systems
Learners will develop an understanding of the importance of integrating organisational strategy with information systems and the tools and techniques that can be used to analyse strategy. They will analyse business processes and recommend improvements.

Managing a Computing Project
Learners will find out about different project management tools and techniques that can be used when managing a computing project. They will use tools and techniques to plan, implement and review their own computing project.

Computing Research Methods
Learners will develop an understanding of different computer-based research methods. They will plan their own research and carry out a research project based on an area of interest within computer science.

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.

Fees £2500* + 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: 5

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 https://athe.co.uk/athe-level-5-diploma-in-computing/

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