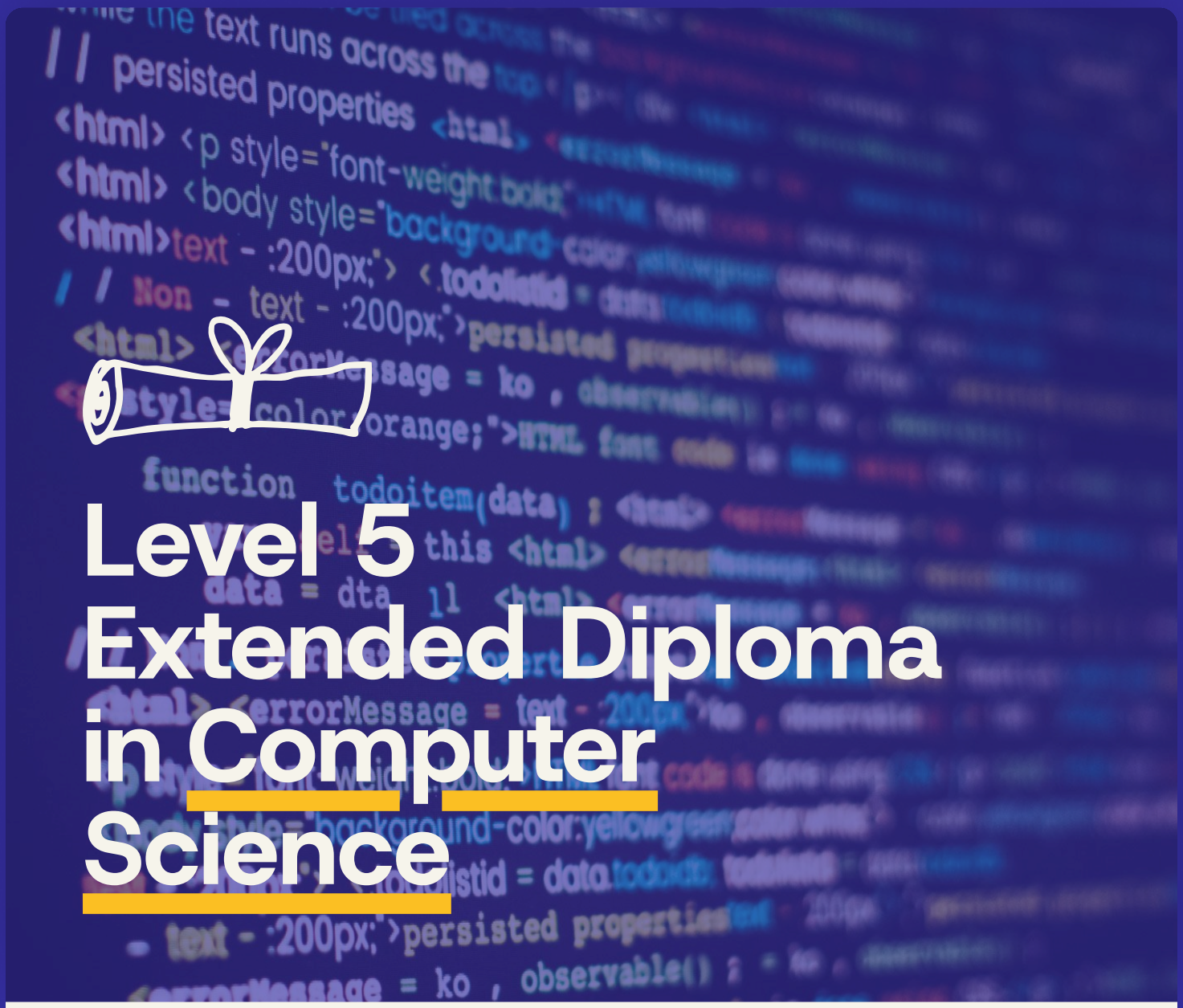
Yenza Academy



Level 5 Extended Diploma in Computer Science

ABOUT

Deepen your skills in software engineering, preparing you for advanced technical roles.

QUALIFICATION DETAILS

120 Credits

6-9 months

ACCREDITED BY

athe AWARDS FOR TRAINING AND HIGHER EDUCATION

QUALIFI

POWERED BY

GenEx

Why Choose Yenza Academy?

Yenza Academy is an innovative programme that provides flexible, stackable[1], globally-recognised qualifications in various career pathways. Our comprehensive courses equip students with real-world skills and our academic partnerships open doors to top global universities and opportunities, allowing students to fast-track their academic and professional goals.

Programme Goals & Benefits

- **Industry-Relevant Education:** We provide foundational and advanced skills to prepare students for careers and further study. Students engage in practical assignments and case studies that reflect real-world challenges, enhancing employability.
- **Flexible Learning:** Study at your own pace with online courses tailored to fit your schedule. We offer diploma level qualifications that ensure easy access into degree programmes at top universities.
- **Global Accreditation:** Earn qualifications recognised by ATHE and Qualifi, opening doors to international career and academic opportunities.

Accreditation & Partnerships

Yenza Academy courses are accredited by the ATHE and Qualifi and recognised on the Ofqual register. Our academic partnerships with prestigious institutions provide seamless progression for students who wish to continue their studies with a Bachelor's top-up degree[2]. Students who complete their Yenza Academy diploma are guaranteed access into the University of Greater Manchester and Bangor University, and have a high chance of acceptance into the University of Derby (for the Hospitality and Tourism pathway) and Anglia Ruskin (for th Education pathway).

[1] Complete your Level 3 programme before moving onto level 4 & 5. At each level you can exit with your qualification.

[2] Level 4 and 5 Yenza Academy courses are equivalent to the first and second years of a university degree. Students can complete their final years of study (i.e. their 'top-up') at one of our partner universities to achieve a full Bachelor's degree.

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Programme Structure

Course Overview

This course equips students with advanced programming, cloud computing, and cybersecurity skills. This qualification prepares students for software engineering roles and further study in technology-related fields.

Assessment Methods

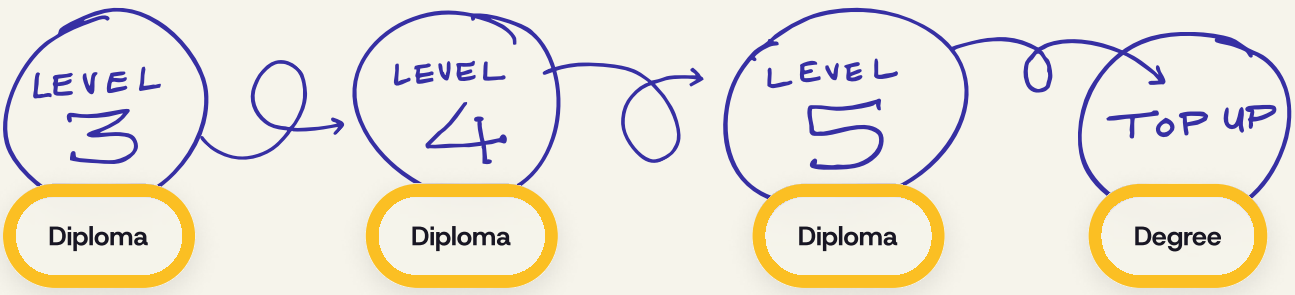
Students are assessed through a portfolio of evidence. This portfolio consists of assignments completed across all eight course modules, ensuring comprehensive evaluation of the knowledge and skills gained throughout the programme.

Admission

Students must be 18 years or older and have a suitable academic background, such as a Level 4 qualification or equivalent. Non-native English speakers should meet a minimum English language proficiency level of IELTS 5.5 or equivalent.

Technical Requirements

Our platform is fully technology-driven; therefore, students will need a reliable PC, laptop, or tablet, or regular access to the aforementioned. Students will need a stable internet connection with sufficient data to access online resources and participate in programme activities.



Course Structure

1

Computing Projects for Digital Transformation

15 CREDITS

This module helps students understand how digital transformation can benefit organisations, their job roles, and daily activities. It covers planning for digital transformation, understanding associated risks, and strategies to mitigate them.

2

Professional Development and Business Communication

15 CREDITS

This module develops students' understanding of the need for continuous professional development (CPD) in the fast-paced IT industry. It also covers business communication skills, focusing on how communication impacts professional reputations and organisational success.

3

Innovative Technologies and Connected Devices

15 CREDITS

This module explores cutting-edge technologies and the interconnectedness of modern devices. It introduces students to smart technologies and how organisations can leverage these innovations for competitive advantage.

4

Information Systems

15 CREDITS

This module focuses on the design, development, and management of information systems within organisations. Students will explore how information systems can be used to improve decision-making, operational processes, and overall efficiency.

Course Structure

5

Advanced Programming

15 CREDITS

This module extends students' programming skills to more complex applications and systems. It covers advanced topics such as object-oriented programming, algorithms, and data structures.

6

Client and Server Technologies

15 CREDITS

This module examines client-server architecture and technologies used in networked environments. It covers the design, implementation, and management of server-side and client-side systems.

7

Virtualisation and Cloud Computing

15 CREDITS

This module introduces students to virtualisation and cloud computing technologies. It covers cloud infrastructure, service models, and the role of virtualisation in improving system efficiency and scalability.

8

Advanced Project

15 CREDITS

This synoptic module requires students to undertake a project that brings together the knowledge and skills learned across the qualification. Students will identify a business problem or opportunity and use appropriate tools and technologies to create a solution.

Course Structure

9

The Principles of Full-Stack Development

10 CREDITS

This module explores full-stack development, covering both client-side and server-side programming. Students will gain knowledge of web frameworks, databases, and development tools.

10

Software Testing Frameworks and Methodologies

10 CREDITS

This module focuses on various software testing frameworks and methodologies. Students will explore techniques to ensure the quality and functionality of developed software.

11

Synoptic Computing Project

10 CREDITS

This synoptic module requires students to apply the skills and knowledge gained across the diploma to develop a project solution relevant to their pathway.