

2024



**Streamline
Your Path
to Higher
Education**

**ATHE Level 4
Extended
Diploma in
Computing**

Why Choose Sí?

Sí provides students with flexible, stackable qualifications in various career pathways, recognised worldwide. Our programme is designed for individuals seeking to fast-track their academic and professional goals. Through comprehensive courses and partnerships with top universities, Sí prepares students for successful careers and advanced degrees.

Programme Goals

- Provide foundational and advanced skills to prepare students for career readiness and further study.
- Offer flexible, stackable qualifications with seamless progression from diplomas to degree programmes.
- Deliver globally recognised qualifications accredited by ATHE and Qualifi, enhancing international career and academic opportunities.

Key Benefits

- **Flexible Learning:** Study at your own pace with online courses tailored to fit your schedule.
- **Global Accreditation:** Earn qualifications recognised by ATHE and Qualifi, opening doors to international career and academic opportunities.
- **Industry-Relevant Learning:** Engage in practical assignments and case studies that reflect real-world challenges, enhancing your employability.

Accreditation & Partnerships

Sí courses are accredited by ATHE and Qualifi, and recognised on the Ofqual Register. Our academic partnerships with prestigious institutions, such as the University of Bolton and Bangor University, provides seamless progression for students who wish to continue their studies with a Bachelor's top-up degree.



Programme Structure

Course Overview

This course provides essential knowledge in systems analysis, programming, databases, networks, and cybersecurity. This qualification equips students with practical skills and prepares them for further study or career progression in computing-related fields.

Admission

Students must be 17 years or older and have a suitable academic background, such as a Level 3 qualification or equivalent. Non-native English speakers should meet a minimum English language proficiency level of IELTS 5.5 or equivalent.

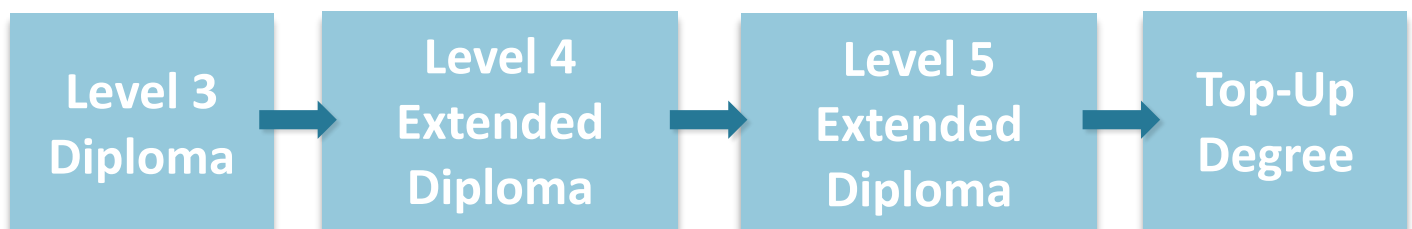
Assessment Methods

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

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. IT SYSTEMS DEVELOPMENT (15 Credits)

Understanding the types, structures, purposes, and responsibilities of organisations, along with the impact of market and national environments, is crucial for business success in today's dynamic landscape.

2. PROGRAMMING AND SCRIPTING (10 Credits)

Understanding financial and management accounting systems allows for assessing and improving business performance through informed decision-making, budgeting, forecasting, and investment evaluation.

3. DATA AND DATABASE SYSTEMS (15 Credits)

Comprehending operations management and its relationship to performance, as well as the techniques for decision-making, enable organisations to streamline processes, optimise efficiency, and achieve a competitive advantage.

4. COMPUTER SYSTEMS, NETWORKS AND SECURITY (10 Credits)

Understanding internal and customer communication, as well as factors affecting communication effectiveness, and developing strong oral and written communication skills are essential for successful business operations and relationships with stakeholders.

5. LEGISLATION, REGULATION, ETHICS AND CODES OF PRACTICE (10 Credits)

Knowing current CSR issues and their impact on stakeholders is crucial for making informed recommendations on responsible business practices, which can enhance reputation, customer loyalty, and sustainability.



Course Structure (continued)

6. ADVANCED PROGRAMMING (15 Credits)

This module helps students develop advanced programming skills. It covers coding techniques, design approaches, industry practices, and tools for bringing code into production environments.

7. WEB DESIGN AND PROGRAMMING (15 Credits)

This module focuses on designing and developing functional websites. It covers front-end and back-end programming and introduces students to various web development technologies.

8. MOBILE APPLICATIONS DEVELOPMENT (10 Credits)

Understanding entrepreneurship, the skills and qualities of successful entrepreneurs, and preparing for a new venture is essential for achieving success in business.

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.

