



Advanced Digital Technology (Extended Certificate) (Full-Time)

The Level 3 Extended Certificate in IT is a Full-time Further Education course designed to provide highly specialist, work-related qualifications in the computing and information technology sector. This is located in the Computing and Information Technology (CIT) department.

Its aim is to give you the knowledge, understanding and skills that they need to prepare for employment. The BTEC L3 Diploma qualifications provide career development opportunities and a clear progression route to higher education, degree and professional development programmes within the same or related areas of study.

The first year of the course covers Computing IT. In the second year, the student has the option of specialising in either, Computing & IT, coding, Games & Graphic Design or Web & App Development.

Entry Requirements

Welsh Baccalaureate National and 5 GCSEs A-C that include Maths & English and for those coming through with an a Level 2 in Computing and/or IT qualification we ask for a minimum of a Merit.

Career Prospects

Higher Education or secure employment in a range of business and ICT organisations. Many Students go onto many computer related courses.

Please note that if you are considering teaching as a career then universities require GCSEs at Grade B or above for Maths, English and Science and for Computer Science courses some universities ask for a minimum of Grade B at Maths GCSE.

Potential Career Opportunities: IT Director, Programmer and Developer, Database Developer, IT Manager, Project Manager, Technical Support, IT Consultant, Internet and Web Developer, Game Designer, Games Developer, Helpdesk, Software Engineer, Strategy and Planning, Systems Design and Development, Computer Architect, Tester, Analyst, Network Management, IT Operations, Sales and Marketing.

Coleg Afan
Coleg Bannau Brycheiniog
Academi Chwaraeon Llandarcy
Canolfan Ragoriaeth Adeiladwaith Maesteg
Coleg Castell-nedd
Coleg Y Drenewydd
Coleg Pontardawe
Canolfan Adeiladwaith Abertawe

Afan College
Brecon Beacons College
Llandarcy Academy of Sport
Maesteg Construction Centre of Excellence
Neath College
Newtown College
Pontardawe College
Swansea Construction Centre



Course Modules

Typical Course Structure:

Year 1: Semester One:

- Information Technology Systems (externally assessed)
- Creating Systems to Manage Information(externally assessed)
- Programming

Semester Two:

- Data Modelling
- Website Development
- Using Social Media in Business

Year 2: Semester One:

- IT Project Management : Part 1
- Cyber Security and Incident Management
- Mobile Apps Development
- Digital Graphics.

Semester Two:

- IT Project Management : Part 2
- IT Service Delivery
- Computer Games Development
- The Internet of Things.

Additional Qualifications: Advanced Welsh Baccalaureate.

Assessment

Information Technology Systems; Creating Systems to Manage Information; Cyber Security and Incident Management; and IT Service delivery are externally assessed. All other units are assessed by assignments.

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Additional Costs

There may be additional course-related costs for text books and educational visits

STUDY MODE

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LOCATION

Neath College - 0330 818 8100

COURSE LENGTH

1Y

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