



Coleg Gŵyr Abertawe
Gower College Swansea

Information Security Professionals

Apprenticeships / Qualifications

Levels 3 and 4

in partnership with



About this Apprenticeship/Qualification

An Information Security Professionals apprenticeship/qualification will equip candidates with the skills, knowledge and competence required to work as information security professionals in a wide range of workplaces. Information Security is now one of the most important concerns for organisations of all size and sector. This apprenticeship/qualification provides a means to increase the number of skilled security professionals in Wales and upskill individuals currently working in IT who hold responsibility for information security.

Who is this for?

This course is either delivered as a stand-alone qualification, or under the all-age apprenticeship programme, funded by the Welsh Government. These courses can be used to upskill existing staff or recruit new talent within an organisation, regardless of age.

The qualification is aimed at those:

- ▶ Responsible for planning, implementing, upgrading and monitoring security measures for the protection of computer networks and information
- ▶ Responsible for protecting information from unauthorised access and compromise, making sure it is kept secure and only disclosed or shared in compliance with relevant standards and legislation
- ▶ Responsible for the creation of secure software, implementing secure programming techniques
- ▶ Responsible for the evaluation of computer and network security by simulating attacks on a computer system or network from external and internal threats

How is this delivered?

The learner will be allocated a dedicated tutor/assessor who will work closely with both learner and employer to ensure the level and units selected are most suited to their individual role and organisational priorities. The Tutor/Assessor will visit the learner every 4-6 weeks in their workplace to assess progress and also set objectives for the next period. The learner will be assigned project work specific to their elected units, as well as be expected to gather evidence from their day to day role to demonstrate application of their new skills. They may be expected to attend seminars/workshops in addition to work based learning which will focus on the knowledge element of the qualification and support in developing understanding, skill and experience in this area.

How is this assessed?

In order to successfully complete the qualification learners will undertake a project relevant to their individual role and learning environment. They will acquire the knowledge, tools and techniques associated with each unit that they will then implement in their current work environment. The project work assigned and evidence gathered will be reviewed during the regular 1-2-1 meetings with tutors/assessors and used for assessment purposes. Gower College Swansea utilises Smart Assessor which is an online Apprenticeship management tool enabling provider, learner and employer to effectively track learner progress.

What is the duration of the course?

Qualifications can take up to 20 months to complete

Mandatory Units:

Level 3

- ▶ Health and Safety in IT
- ▶ Principles of Information Governance and Assurance
- ▶ Professional Practice in an IT Context

Level 4

- ▶ Professional Practice in an IT Context
- ▶ Principles of Information Security Testing
- ▶ Health and Safety in IT
- ▶ Principles of Information Governance and Assurance

Optional Units:

Available at levels 3 and 4

- ▶ Testing IT & Telecoms Systems
- ▶ IT & Telecom System Security 2
- ▶ Creating an Event Driven Computer Program
- ▶ Creating an Object Oriented Computer Program
- ▶ Creating a Procedural Computer Program
- ▶ IT System Operation 2
- ▶ Creating Event Driven Software
- ▶ Creating Object Oriented Software
- ▶ Creating Procedural Software
- ▶ IT System Operation
- ▶ User Profile Administration
- ▶ Remote Support for IT Products and Services
- ▶ IT System Management
- ▶ Investigating and Defining Customer Requirements for IT Systems
- ▶ Testing IT Systems
- ▶ IT Technical Advice and Guidance
- ▶ IT System Management
- ▶ IT System Security
- ▶ IT Technical Advice and Guidance
- ▶ Remote Support for IT Products and Services
- ▶ Managing Software Development
- ▶ Testing the Security of Information Systems
- ▶ Carrying out Information Security Risk Assessment
- ▶ Investigating Information Security Incidents
- ▶ Carrying out Information Security Incident Management Activities
- ▶ Carrying out Information Security Forensic Examinations
- ▶ Carrying out Information Security Audits
- ▶ Advanced Data Representation and Manipulation for IT
- ▶ Networking Principles
- ▶ Principles of Secure System Development
- ▶ Principles of Information Security Testing
- ▶ Data Modelling
- ▶ Systems Architecture
- ▶ Web Development

If studied within the Apprenticeship Framework, learners will be required to also complete the following:

- ▶ City & Guilds Level 2 Essential Application of Number Skills
- ▶ City & Guilds Level 2 Essential Communication Skills
- ▶ City & Guilds Level 2 Essential Digital Literacy Skills

Please ask your GCS Training Representative for more information



Our Credentials

The qualification is delivered by tutors/assessors who have exceptional experience in both practical application of Information Security methodology and in delivering tailored support to each individual learner.

Contact Details

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