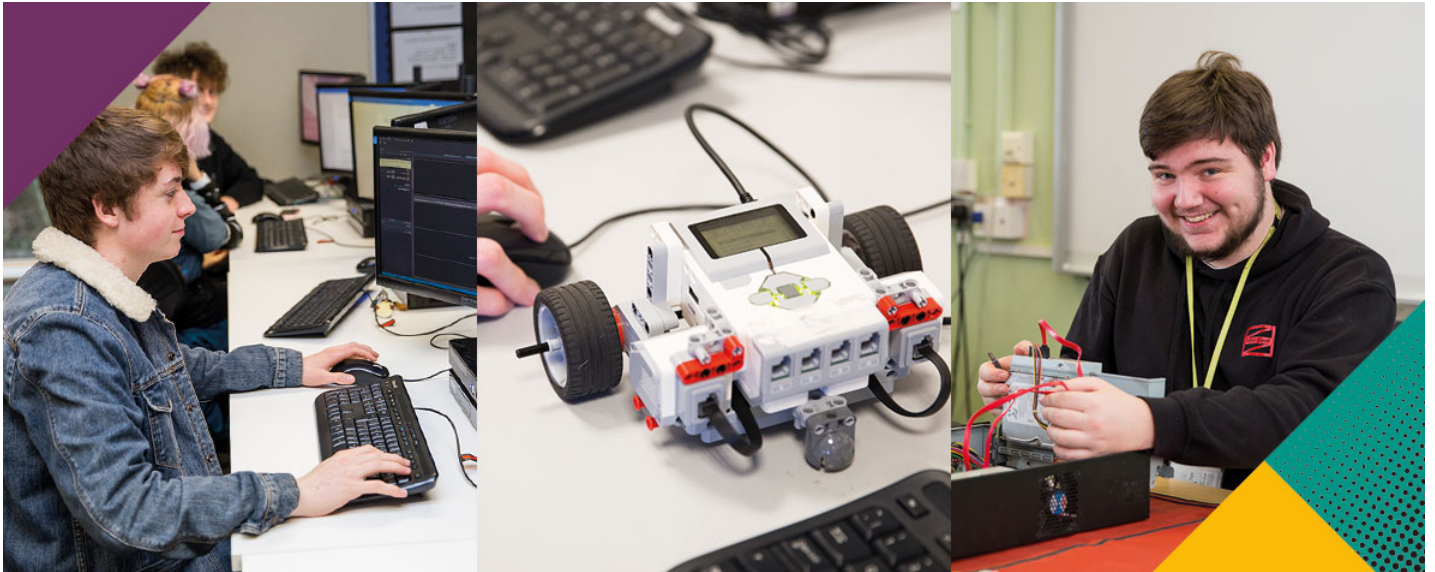


## E-Learning CompTIA Advanced Security Practitioner with Live Labs and Exam



### In a nutshell

A Personal Learning Account is a new initiative from the Welsh Government. It is a free and flexible way to learn. The initiative will offer people the chance to access free, part-time courses that offer flexible and convenient learning around their existing lifestyle.

The CompTIA Advanced Security Practitioner (CASP+) qualification is a stand-alone qualification that validates advanced-level IT security skills and knowledge for advanced Practitioner of cybersecurity. CASP+ certifies critical thinking and judgement across a broad spectrum of security disciplines and allows IT security professionals to conceptualise, design, and engineer secure solutions across complex enterprise environments

### This course is for...

...anyone over 19, living in Wales.

...anyone in employment and earning less than £26,000 a year.



# COURSE INFORMATION LEAFLET

...anyone who wants to add to their skills as they help to meet the growing demand for advanced IT security professionals.

## Course content

The course includes:

The History of Cryptography  
Cryptographic Services  
Symmetric Encryption  
Asymmetric Encryption  
Hybrid Encryption  
Hashing  
Digital Signatures  
Public Key Infrastructure  
Implementation of Cryptographic Solutions  
Cryptographic Attacks  
Advanced Network Design  
TCP/IP  
Secure Communication Solutions  
Secure Facility Solutions and Network Infrastructure Design  
Enterprise Security  
Cloud Computing  
Virtualization  
Virtual LANs  
Virtual Networking and Security Components  
Enterprise Storage  
Firewalls and Network Access Control Lists  
Trusted Operating System  
Endpoint Security Software  
Anti-malware  
Host Hardening  
Asset Management  
Data Exfiltration  
Intrusion Detection and Prevention  
Network Management, Monitoring, and Security Tools  
Application Security Testing  
Specific Application Issues  
Application Sandboxing and Application Security Framework  
Secure Coding Standards

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## COURSE INFORMATION LEAFLET

Application Exploits  
Cookie Storage and Transmission  
Malware Sandboxing  
Process Handling at the Client and Server  
Security Assessments and Penetration Testing  
Risk Terminology  
Identifying Vulnerabilities  
Operational Risks  
The Risk Assessment Process  
A High-Level View of Documentation  
Business Documents Used to Support Security  
Documents and Controls Used for Sensitive Information  
Auditing Requirements and Frequency  
The Incident Response Framework  
Incident and Emergency Response  
Apply Research Methods to Determine Industry Trends and Impact to the Enterprise  
Analyze Scenarios to Secure the Enterprise  
Integrate Enterprise Disciplines to Achieve Secure Solutions  
Integrate Hosts, Storage, Networks, and Applications into a Secure Enterprise Architect  
Selecting the Appropriate Control to Secure Communications and Collaboration Solutions  
Integrate Advanced Authentication and Authorization Technologies to Support Enterprise Objectives  
Implement Security Activities across the Technology Life Cycle

There will be a CompTIA Advanced Security Practitioner (CASP+) Exam.

### Entry Requirements

There are no formal requirements, but you'll need a keen interest in the subject.

### Additional information

The CASP+ qualification is recommended for you if you are at IT professional with at least five years' hands-on experience in technical security, with ten years' overall experience in IT administration. CASP+ will add authentication to your skills as you help to meet the growing demand for advanced IT security professionals.

This course is for three months.

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