Module Specification

End Point Assessment (Cyber Security)

Version: 2024-25, v3.0, 20 May 2024

Contents

Part 1: Information

Module title: End Point Assessment (Cyber Security)

Module code: UFCFBU-10-3

Level: Level 6

For implementation from: 2024-25

UWE credit rating: 10

ECTS credit rating: 5

College: College of Arts, Technology and Environment

School: CATE School of Computing and Creative Technologies

Partner institutions: None

Field: Computer Science and Creative Technologies

Module type: Module

Pre-requisites: Cryptography 2023-24, Cyber Security Incident Management and Professionalism 2024-25, Cyber Threats 2022-23, Embedded Systems Security 2023-24, Information management and security 2023-24, Networking 2022-23, Operating Systems and Architecture 2022-23, Operating Systems Security and Defensive Programming 2023-24, Programming 2022-23, Project and Dissertation 2024-25, Risk and Information Management 2024-25, Security Assurance 2024-25

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Learners can embark on this module when they have passed the other 350 credits that make up this integrated degree apprenticeship.

During this module the apprentice will prepare a portfolio of between six and eight real work projects or pieces of work that have been completed, usually, towards the end of the apprenticeship. The tutor will work with the employer and the apprentice to create a plan for how this will be achieved. The portfolio will provide the basis for the Technical Discussion, which is the final assessment of the degree apprenticeship.

Prior to that, learners need to sit a technical assessment, which contains four practical tasks, as detailed in the standard.

Learners must pass both assessments to pass the module. According to the standard, the module is graded as fail, pass, merit or distinction.

Learners must pass this module before the degree can be awarded.

Features: Not applicable

Educational aims: Fulfils the requirements for an end point assessment.

Outline syllabus: There is no specific syllabus for this module. During the module an apprentice will prepare a portfolio of between six and eight real work projects or pieces work that have been completed, usually, towards the end of the apprenticeship. The tutor will work with the employer and the apprentice to create a plan for how this will be achieved.

Apprentices will learn what is required for a "good" portfolio and the criteria for demonstrating the required knowledge, skills and behaviours.

This is an integrated degree apprenticeship. The degree cannot be awarded unless the apprenticeship is passed and vice versa. The EPA contributes 10 credits towards the degree and must be completed within three months of the Gateway.

The EPA starts after the Gateway has been passed.

The portfolio is used to help the apprentice answer questions in the Technical Discussion.

Part 3: Teaching and learning methods

Teaching and learning methods: In this module an apprentice works with a tutor to prepare their end point assessment portfolio and to prepare for the technical discussion that will form part of the EPA assessment. The tutor will help the apprentice select appropriate work/projects to demonstrate the required knowledge, skills and behaviours.

Formative guidance will be given on the portfolio along with feedback and coaching.

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Demonstrate technical competencies as required by the apprenticeship standard

MO2 Demonstrate technical knowledge and understanding as required by the apprenticeship standard

MO3 Demonstrate underpinning professional, interpersonal and business skills as required by the apprenticeship standard

MO4 Demonstrate professional behaviours as required by the apprenticeship standard

Hours to be allocated: 100

Contact hours:

Independent study/self-guided study = 100 hours

Total = 0

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link
https://www.instituteforapprenticeships.org/apprenticeship-standards/cyber-security-technical-professional-integrated-degree-v1-1

Part 4: Assessment

Assessment strategy: The EPA tests all the knowledge, skills and behaviours (KSBs) described in the relevant apprenticeship standard. It is based on two distinct assessment methods, both of which must be passed for the apprentice to pass the apprenticeship.

The two EPA methods are:
(a) A Practical Test; and
(b) A Technical Discussion informed by a portfolio.

The practical test contains four tasks that all need to be passed. The Independent Assessor will assess and grade the Practical Test and conduct, assess and grade the Technical Discussion. Following this, the Independent Assessor will determine whether the apprentice has passed or failed the apprenticeship overall and the grade achieved (fail, pass, merit or distinction).

Assessment tasks:

Practical Skills Assessment (First Sit)
Description: Technical discussion as specified in the industry standard.

This assessment is a two-hour technical discussion based on a portfolio prepared by the learners. It is graded Fail/Pass.

(the overall module is graded Fail/Pass/Merit/Distinction).
Weighting:
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO4

Practical Skills Assessment (First Sit)

Description: This assessment consist of four practical tests (each 12 hours +/- 10%). Overall assessment duration is 48 hrs.

Each test is graded Fail/Pass/Merit/Distinction in accordance with the apprenticeship standard.

Learners need to (at least) pass each of the four tests in order to pass this assessment overall. The lowest result out of the four determines the grade for this assessment.

If learners fail one or more of the four practical tests, they are permitted only to resit the test(s) they failed.

Weighting: 100 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Practical Skills Assessment (Resit)

Description: Technical discussion as specified in the industry standard.

This assessment is a two-hour technical discussion based on a portfolio prepared by the learners. It is graded Fail/Pass.

(the overall module is graded Fail/Pass/Merit/Distinction).

Weighting:

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Practical Skills Assessment (Resit)

Description: This assessment consist of four practical tests (each 12 hours +/- 10%). Overall assessment duration is 48 hrs.

Each test is graded Fail/Pass/Merit/Distinction in accordance with the apprenticeship

standard.

Learners need to (at least) pass each of the four tests in order to pass this assessment overall. The lowest result out of the four determines the grade for this assessment.

If learners fail one or more of the four practical tests, they are permitted only to resit the test(s) they failed.

Weighting: 100 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Cyber Security Technical Professional {Apprenticeship-GLOSCOLL} [GlosColl] BSc (Hons) 2022-23