Software Developer - Level 4
LEARNING JOURNEY – 18 Months

LEARNING CURVE GROUP

Unit 1 Communication
This unit will explore types of communication including verbal, non-verbal,, barriers to communication and communicating formally and informally.

Unit 3 Methodologies
This unit covers some The similarities and differences between different software development methodologies, such as agile and waterfall.

Unit 5 Software Development Team
This unit will explore team roles and responsibilities as well as the importance of teamwork.
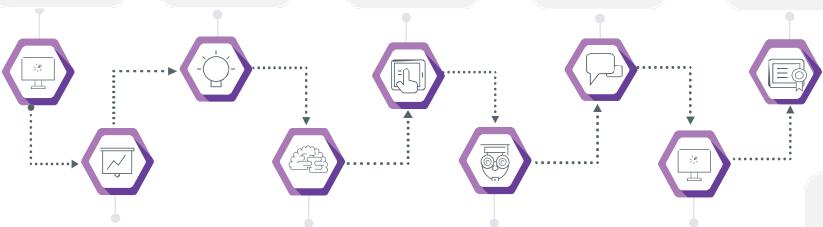
Unit 7 Software Language
This unit covers Algorithms, logic and data structures relevant to software development for example:- arrays stacks- queues- linked lists- trees- graphs- hash tables- sorting algorithms- searching algorithms,.

Preparation for EPA
You will review your portfolio of evidence.

You will progress through the gateway to complete your End-Point Assessment (EPA)

Unit 2 Software Lifecycle
This unit looks at the full software development lifecycle and what is expected at each stage including what each stage contains, including the inputs and outputs.

Unit 4 Project Management
This unit looks at the fundamentals of project management.

Unit 6 Policies and Procedures
This unit will look at the policies and procedures relevant to the job role including GDPR.

Unit 8 & 9 Software Structures Part
This unit covers programme control and logic and programme architecture as well as sorting and searching.

Unit 11 Design Approaches & Patterns
This unit covers use of patterns and software use as well as SSADM and UML
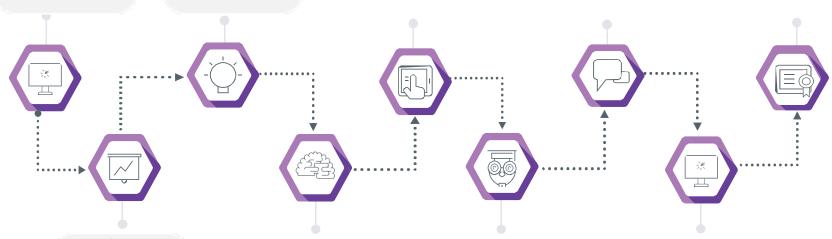
Unit 12 Databases
This unit covers different types of databases including flat file data bases and relationship databases.

Portfolio Building
You will be given time to complete the portfolio in preparation for Gateway and EPA.

Unit 13 Software Testing
This unit looks at different types of testing including functional and non-functional testing and black box / white box testing.