

Software Development Technician – Level 3 – 15 Months

Unit 1 Software Development Lifecycle

This unit looks at the stages of the software development lifecycle and what is expected at each stage and the roles within the SDLC.

Unit 3 The Project Lifecycle

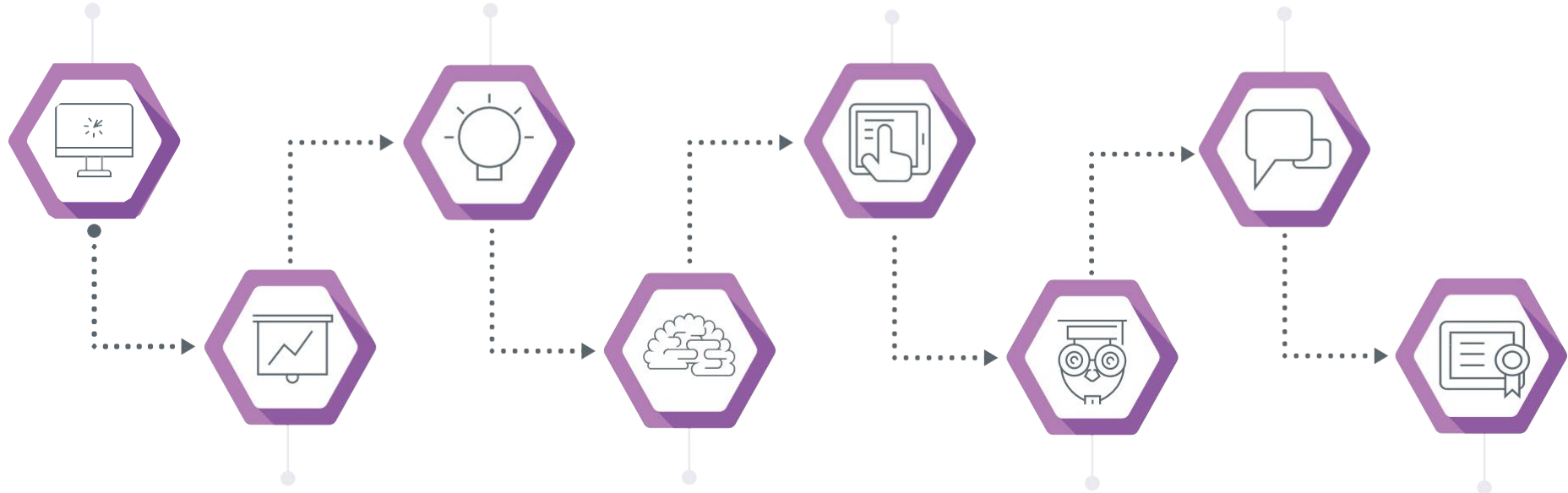
This unit the project lifecycle and what is expected at each stage.

Unit 5 Communication & Teamwork

This unit explores communication methods and the importance of effective teamwork. In addition, digital tools to aid teamwork will be explored.

Unit 7 Software Design

This unit includes software design approached and patterns and the basic principles of software design approaches.



Unit 2 Organisational Policies & Procedures

This unit explores the legislation that governs the industry including GDPR and the Equality Act 2010.

Unit 4 Databases

This unit looks at principles of databases and how to effectively link their code to a data sources, software project planning, code and defined data sources.

Unit 6 Software Methodologies

This unit covers the fundamentals of breaking down complex problems and problem-solving techniques. Agile versus waterfall will be explored and a range of problem-solving techniques discussed.

Unit 8 to Unit 11 Software Development Best Practice

These units cover algorithms, logic and data structures as well as how to explore logical problems. Codes for discreet software will be explored as well as developing and building user interfaces.

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Unit 12 Software Testing

This unit looks at the key principles of testing, different types of tests and testing framework instructions.

Unit 14 & 15 EPA Support & Guidance

These units will allow the learner to prepare for \Gateway and End Point Assessment



Unit 13 Understanding Systems & Emerging Trends

This unit covers the principles of internet safety, secure development principles and emerging trends and technology.