



### Certificate Level I Details

This certificate validates that the learner has attained a solid foundation in the fundamental concepts, tools, and techniques required for z/OS application programming. They understand the z/OS operating system architecture, components, and its role in enterprise computing, and have acquired a working knowledge of COBOL, PL/I and Python programming languages in that environment.

This person can access core day-to-day products to create source code (ISPF), submit programs for execution (JCL), and review results (SDSF).

### Prerequisites

None.

### Job Role

A z/OS Application Programmer is responsible for developing, maintaining, and supporting applications that run on the z/OS operating system. On completion of this study, the student should be able to:

- Describe the components of the z/OS system that are relevant to programming
- Explain how COBOL, PL/I and Python run on z/OS
- Use ISPF to store program code
- Write and run JCL to test programs
- Use SDSF to view and debug program results

### Value of Skills

Fundamentals skills and knowledge of IBM's z/OS programming environment are provided through this certificate, which form the base from which a career in z/OS Application Programming is built.

The non-programming component of this learning is also considered a prerequisite for other advanced technical jobs such as a Systems Programmer, or Security Administrator.

### IBM Skills Badges Attained

- Mainframe Specialist - IBM Mainframe Environment - Foundations 2.5
- Mainframe Application Programmer - IBM Development Environment - Foundations 2.5
- Mainframe Specialist - TSO/ISPF - Foundations 2.5
- Mainframe Specialist - TSO/ISPF - Expert 2.5
- Mainframe Specialist - SDSF - Foundations 2.5
- Mainframe Specialist - Job Control Language - Foundations 2.5

Approximate number of training hours - 87

- Interskill e-Learning Courses
- Interskill Skills Assessments
- Interskill Certificate Exams
- Interskill Simulations
- Interskill Video
- IBM Skills Badges
- IBM Professional Certificate

Branch indicates that courses can be undertaken in any order, but all need to be completed