

### Certificate Level I Details

This certificate validates that the learner understands and can describe the purpose of major mainframe hardware and software components. They can identify how a z/OS system processes information, and the role that JES2 plays in managing devices and batch jobs.

This individual can start and stop various subsystems such as JES2 and can access and define TSO/ISPF, and SDSF defaults. This person can also use these products to run basic batch jobs using JCL.

### Prerequisites

None

### Job Role

A mainframe system operator monitors and controls the operation of the mainframe hardware and software. On completion of this study, the student should be able to:

- Describe the hardware and software components that are associated with a mainframe environment
- Describe how JES2 is used to process mainframe workloads
- Describe the purpose of TSO, ISPF, and SDSF
- Explain the role of Job Control Language

### Value of Skills







Fundamentals skills and knowledge of z/OS, JES2, TSO/ISPF, SDSF, and JCL are provided through this certificate, and are a prerequisite to the Mainframe System Operator Level II certificate. Not only that, they are considered the foundation for more advanced technical jobs such as an Operations Analyst, or Systems Programmer/Administrator.

TSO/ISPF, SDSF, and JCL knowledge is also required by many Application Programmers in order for them to create, run, and test programs.

### IBM Skills Badges Attained

- Mainframe Operator – z/OS and JES2 Foundations 2.4
- Mainframe Operator – TSO/ISPF Foundations 2.4
- Mainframe Operator – SDSF Foundations 2.4
- Mainframe Operator – JCL Foundations 2.4

Approximate number of training hours – 41

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