

**10 mins** Welcome – IBM Mainframe Systems Operator Level II Certificate

**4 hrs** Introducing z/OS

**4 hrs** z/OS - Initializing and Terminating the z/OS System 2.4

**5 hrs** z/OS - Monitoring the z/OS System 2.4

**30 mins** z/OS – System Shutdown and IPL Simulations 2.4

**1 hr** z/OS - z/OS System Operation Assessment 2.4



**4 hrs** Introducing JES2

**4 hrs** JES2 - Monitoring Batch Jobs with JES2 2.4

**5 hrs** JES2 - Using JES2 in Scheduling Batch Jobs 2.4

**1 hr** JES2 - Concepts and Operation Assessment 2.4



**5 mins** Touching Base – IBM Mainframe Systems Operator Level II Certificate

**1 hr** IBM Mainframe Systems Operator Level II Certificate – Midterm Exam 2.4

**4 hrs** Introducing ISPF  
ISPF (z/OS) - Managing Data Files and Definitions with ISPF/PDF 2.4

**5 hrs** Introducing SDSF  
SDSF - Using SDSF to Control Job Processing 2.4

**6 hrs** ISPF (z/OS) - Maintaining Data in Files with the ISPF Editor 2.4

**4 hrs** SDSF - Using SDSF to Display, Manipulate and Print Job Output 2.4

**2 hrs** ISPF (z/OS) – TSO/ISPF Operation Assessment 2.4

**1 hr** SDSF (z/OS) – Monitoring Job Activity Using SDSF Assessment 2.4



**5 hrs** Introducing JCL

**5 hrs** JCL (z/OS) - Advanced JCL Data Set Use 2.4

**3 hrs** JCL (z/OS) - Working with Procedures and Symbols 2.4

**3 hrs** JCL (z/OS) - Controlling Job and Step Processing 2.4

**1 hr** JCL (z/OS) - JCL Coding Assessment 2.4



**5 mins** Final Recap – IBM Mainframe Systems Operator Level II Certificate

**1 hr** IBM Mainframe Systems Operator Level II Certificate – Final Exam 2.4



### 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:

- Start and stop a z/OS system, and related system tasks
- Monitor batch job activity on the mainframe
- Display and manipulate mainframe data sets using ISPF
- Create and run a simple batch job

### Prerequisites

Successful completion of the IBM Mainframe Systems Operator Level I Certificate, or equivalent knowledge.

### Certificate Level II Details

This certificate validates that the learner can perform a manual z/OS IPL and Shutdown and understands how this process is automated. They can confidently monitor system and batch activity, including job output using console screens and SDSF.

This person has attained more advanced JCL skills, being able to create a range of data sets, including GDGs, execute procedures and code conditional processing statements.

### Value of Skills

An intermediate level of skills and knowledge relating to z/OS, JES2, TSO/ISPF, SDSF, and JCL are provided through this certificate, and are a prerequisite to the Mainframe System Operator Level III certificate.

The skills attained provide you with confidence that you know what activity needs to be monitored, and identify any anomalies. They also are used heavily by job roles such as Production Schedulers, Operations Analysts, and System Programmers in analyzing system and batch problems.

### IBM Skills Badges Attained

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

Approximate number of training hours – 57

- 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

IBM Authorized Digital Badge Issuer

