



Certificate Level I Details

This certificate validates that the learner has a solid understanding of IBM Mainframe hardware and the environment in which it is installed. They can describe how and why operating systems such as z/OS, z/OS UNIX, and z/VM are used, and how data processing is performed in a z/OS system.

This person can run general batch jobs using JCL including IBM utility programs DFSORT, IDCAMS, and IEBCGENER.

Prerequisites

The student should have some basic z/OS concepts knowledge and understand general operation of the TSO/ISPF, and SDSF products.

Job Role

A Mainframe System Programmer is responsible for managing the mainframe hardware and software environment installation, configuration, maintenance, customization and tuning. On completion of this study, the student should be able to:

- Describe the components of a mainframe hardware and software environment
- Explain how z/OS processes workloads
- Identify the characteristics of Data Center disk and tape storage
- Create and run utility batch jobs

Value of Skills

Fundamentals skills and knowledge of IBM's Mainframe hardware and software are provided through this certificate, which form the base from which a career in System Programming is built.

Much of this learning is also considered a prerequisite for other advanced technical jobs such as a Security Administrator, or Storage Specialist.

IBM Skills Badges Attained

- Mainframe Specialist - IBM Z Enterprise System Hardware 2023 - Foundations
- Mainframe Specialist - IBM LinuxONE System Hardware 2023 - Foundations
- Mainframe Specialist - IBM Mainframe Environment - Foundations 2.5
- Mainframe Systems Programmer - Systems Programming - Foundations z/OS 2.5
- Mainframe Specialist - Parallel Sysplex - Foundations z/OS 2.5
- Mainframe Specialist - z/VM - Foundations z/VM 7.3
- Mainframe Specialist - Disk and Tape Storage - Foundations z/OS 2.5
- Mainframe Specialist - Job Control Language - Foundations 2.5
- Mainframe Specialist - z/OS Batch Utilities - Experienced 2.5
- Mainframe Specialist - VSAM IDCAMS Utility - Expert z/OS 2.5

Approximate number of training hours – 80

IBM Mainframe Systems Programmer Certificate 2.5 Level I



- Interskill e-Learning Courses
 - Interskill Skills Assessments
 - Interskill Certifications 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