

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 has run general batch jobs using JCL including IBM utility programs DFSORT, IDCAMS, and ICEGENER.

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 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 Systems Programmer – Hardware and Software Foundations 2.4
- Mainframe Systems Programmer– Operating Systems Foundations 2.4
- Mainframe Systems Programmer– Storage Foundations 2.4
- Mainframe Systems Programmer– JCL Foundations 2.4
- Mainframe Systems Programmer– IBM Utilities Foundations 2.4

Approximate number of training hours – 62

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

