



Certificate Level III Details

This certificate validates that the learner has attained a broader knowledge of the tools and products used daily by the Systems Programmer. They have a good understanding of enterprise database systems and how data is processed and transferred throughout the mainframe environment.

This person can also create and run simple CLIST and REXX programs, allowing them to automate system administration tasks.

They can also identify and analyze z/OS system performance and suggest ways of improving it.

Prerequisites

Successful completion of the IBM Mainframe Systems Programmer Level II Certificate or equivalent knowledge.

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:

- Manage and configure z/OS Connect native server
- Identify and initiate common systems programmer tasks using the z/OS Management Facility
- Describe how Db2 and IMS databases function
- Explain how CICS TS is used in a mainframe environment
- Create and run a simple REXX and CLIST program
- Identify tools and other available resources used for performance and tuning activities on a z/OS system

Value of Skills

This certificate provides skills and knowledge for a wide range of topics to broaden the knowledge of the systems programmer. It looks at important tools such as z/OSMF as well as explaining how systems can be accessed using different interfaces and how data can be processed.

REXX and CLIST coding skills are going to be useful in creating programs that are used to speed up tasks. This knowledge is also transferable across several other job roles, such as Production Schedulers, Operations Analysts, and System Operators.

The z/OS performance courses will provide you with some of the most valuable information, as one of your core tasks will be to ensure your organization's systems run optimally.

IBM Skills Badges Attained

- Mainframe Application Programmer - Programming Tools - z/OS Connect - Experienced 3.0
- Mainframe Specialist - z/OS Management Facility - Experienced z/OS 2.5
- Open Mainframe - Fundamentals for Zowe
- Mainframe Specialist - CLIST - Foundations
- Mainframe Specialist - REXX Programming - Foundations
- Mainframe Systems Programmer - Mainframe Performance - Fundamentals 2.5
- Mainframe Systems Programmer - Mainframe Performance - Experienced 2.5

** Note that the following badge will have also been attained if the student has completed the IBM Mainframe Systems Programmer Level I Certificate: Mainframe Specialist - VSAM Management - Experience z/OS 2.5

Approximate number of training hours - 71

- 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