

InterSkill Learning has offered the mainframe computing industry's finest e-learning solutions for over 20 years. The following list of Mainframe e-Learning Courses and Mainframe Skills Assessments represents over 2,000 hours of e-learning courseware for mainframe computing personnel and provides a training solution of unmatched depth, breadth and currency.

z/OS Curriculum

- z/OS Series
 - z/OS Concepts and Components
 - Initializing and Terminating the z/OS System
 - Monitoring the z/OS System
 - z/OS Architecture
 - Identifying z/OS System Problems
 - Resolving z/OS System Problems
 - z/OS – Advanced – Tips and Tricks
- z/OS Console Simulator Series
 - z/OS MVS Command Simulations
 - JES2 Command Simulations
 - VTAM Command Simulations
 - CICS Command Simulations
 - z/OS System Shutdown and IPL Simulations
- Installing and Managing z/OS Software Series
 - Introduction to SMP/E

zEnterprise Curriculum z/OS

- Introduction to the IBM Z Mainframes

z/OS Management Facility Curriculum z/OS

- The z/OS Management Facility

IBM Explorer for z/OS Curriculum z/OS

- IBM Explorer for z/OS

Job Control Language (JCL) Curriculum z/OS

- JCL (z/OS) – JCL Coding Basics - JOB and EXEC Statements
- JCL (z/OS) - JCL Coding Basics - DD Statements
- JCL (z/OS) - Advanced JCL Data Set Use
- JCL (z/OS) - Controlling Job and Step Processing
- JCL (z/OS) - Working with Procedures and Symbols
- JCL (z/OS) - Running and Debugging JCL
- JCL (z/OS) – Advanced – Tips and Tricks

JES Curriculum

- JES2 System Initialization and Shutdown
- Monitoring Batch Jobs with JES2
- Using JES2 in Scheduling Batch Jobs
- Identify and Resolve JES2 Batch Problems
- Identify and Resolve JES2 System Problems
- JES2 - Advanced – Tips and Tricks

Mainframe Application Performance Curriculum

- Introduction to Sampling Performance Tools

z/OS Connect

- Introduction to z/OS Connect

Blockchain Curriculum

- Blockchain Fundamentals

DevOps and Agile Curriculum

- DevOps Fundamentals
- Introduction to Agile

Rational Developer for System z Curriculum

- Rational Developer for System z Basics
- Creating and Managing Applications Using RDz

TSO/ISPF for z/OS Curriculum z/OS

- Using Online System Facilities – TSO/ISPF
- Managing Data Files and Definitions with ISPF/PDF
- Maintaining Data in Files with the ISPF Editor
- TSO/ISPF - Advanced – Tips and Tricks

Cryptography Curriculum

- Cryptography

IBM Environment Introduction Curriculum z/OS

- Introduction to IBM Enterprise Environment
- z/OS Systems Programming Fundamentals
- IBM Development Environment

IBM Mainframe Communications Curriculum z/OS

- IBM Mainframe Communications Concepts
- VTAM Commands
- Mainframe TCP/IP Commands

SDSF Curriculum z/OS

- SDSF Concepts and Operation
- Using SDSF to Control Job Processing
- Using SDSF to Display, Manipulate and Print Job Output
- Using SDSF to Manage System Resources and Devices
- SDSF – Advanced – Tips and Tricks

Data Center Storage Management Curriculum z/OS

- Using DFSMS to Manage the z/OS Storage Environment
- Storage Fundamentals for Data Centers
- Storage Networks, Administration, and DASD Management Using ICKDSF

Virtualization Curriculum

- z/VM Concepts, System Initialization and Shutdown
- Monitoring and Controlling z/VM Operations
- Managing Guest Operating Systems
- Identifying and Resolving z/VM Problems
- Linux on z System Fundamentals

Database Curriculum (DB2 v11)

- Database Series
 - Db2 Fundamentals
 - Managing Db2 Operations
- Db2 – Database Management System Series
 - Introduction to RDBMSs and Db2
 - Manage Data Definitions with Db2
 - Db2 SQL Fundamentals
 - Advanced Db2 SQL
 - Create and Maintain DB2 Programs
 - Db2 Stored Procedures
 - Optimize Db2 Application Performance

Data Analysis, Analytics, and Machine Learning Curriculum

- Big Data, Hadoop and Analytics
- Machine Learning and Spark

C Programming

- C/C++ on z/OS for C Programmers

Coaching and Mentoring for Technical Specialists

- Coaching and Mentoring for Technical Specialists

COBOL Programming Curriculum

- COBOL Programming - Basics
- COBOL Data and Datafile Definitions
- COBOL Programming - Manipulating Data
- COBOL Programming - Advanced
- IBM COBOL for z/OS
- Accessing IMS Database from COBOL

CA Curriculum

- CA 1[®] Tape Management Series
 - CA 1 Tape Management - Using Tape Media
 - CA 1 Tape Management - Identifying & Resolving Media Problems
- CA 7[®] Workload Automation Series
 - Introduction to CA Workload Automation - CA 7[®] Edition
 - Scheduling Batch Processing
 - Monitoring and Managing the Batch Processing Environment
 - System Programmer Interaction with CA 7
 - Backup, Recovery, and Problem Resolution
- CA 11[®] Workload Automation Restart and Tracking Series
 - CA Workload Automation Restart Option for z/OS Schedulers Overview
 - Managing CA Workload Automation Restart Option for z/OS Schedulers
- CA OPS/MVS[®] Event Management and Automation Series
 - CA OPS/MVS - Overview, Components & Features
 - CA OPS/MVS - Rules and OPS/REXX
 - CA OPS/MVS - Automat. Events Using Relational Data Framework
 - CA OPS/MVS - Automating Events Using System State Manager
 - CA OPS/MVS - Schedule & Group Managers for Event Management
- CA Endeavor[™] Software Change Manager Series
 - CA Endeavor[™] Software Change Manager Intro and Basic Usage
 - CA Endeavor[™] Software Change Manager Package Processing and Facilities

Security Curriculum

- Introduction to Mainframe Security Series
 - Introduction to Mainframe Security
- CA ACF2[™] Series R15
 - CA ACF2[®] - Introduction
 - CA ACF2[®] - Protecting System Access
 - CA ACF2[®] - Protecting Data Integrity
 - CA ACF2[®] - Protecting General Resources
 - CA ACF2[®] - Defining Environment Controls
 - CA ACF2[®] - Maintaining CA ACF2
 - CA ACF2[®] - For Auditors
- RACF Series
 - Defining Users to RACF
 - Protecting System Resources Using RACF
 - RACF for System Administrators and Auditors

BMC Curriculum

- Introduction to CONTROL-M for z/OS
- Defining and Scheduling Jobs Using Control-M
- Monitoring and Managing Job Processing

Assembler Programming Curriculum

- Assembler Introduction
- Assembler Instructions
- Assembler Macros
- Assembler Programming
- Assembler z/OS Advanced
- Assembler Cross Memory Services

IBM Power Series – AIX Curriculum

- AIX Fundamentals
- AIX Fundamentals for UNIX System Administrators
- AIX Virtualization, VIO Server and Management

IBM Power Series – IBM i Curriculum

- IBM i Fundamentals Series
 - IBM i Fundamentals
 - Introduction to IBM i for System Operators
 - Monitoring and Managing IBM I Workloads
- IBM i System Administration Series
 - IBM i System Administration Fundamentals
 - Security Implementation
 - Journal Management
 - Storage Management
 - Logical Partitioning and Virtualization
- IBM i Programming Fundamentals Series
 - CL Programming
 - CL Programming Functions and Messaging
- IBM i RPG/400 Series
 - RPG/400 Introduction
 - RPG/400 Coding
 - RPG/400 Programming
 - RPG/400 Workstation Programming
 - RPG/400 Advanced Workstation Programming
- IBM i Query Series
 - Database Basics and the Need for Query
 - Creating a Simple Query
 - Advanced Query Features and Management
- IBM i Application Programming Introduction Series
 - DB2 for IBM i – Introduction for Programmers

CICS Transaction Server Curriculum

- CICS TS Operations Series
 - CICS TS - Introduction
 - CICS TS - Explorer Fundamentals
 - CICS TS - Controlling CICS Operations
- CICS TS Programming Series
 - Programming Basics
 - Program Control and Communication
 - Files and Databases
 - Storage and Transient Data
 - Programming for Web Access
 - Using CICS Transaction Gateway
 - CICS Terminal Communications
 - Using SDF II to Maintain CICS TS Maps
 - Programming for Recovery
 - Debugging CICS Programs
 - CICS Command Simulations

Disaster Recovery Curriculum

- Ensuring Data Center Business Continuity

Tivoli Workload Scheduler Curriculum

- Understanding How Tivoli Workload Scheduler Processes Work
- Monitoring and Managing the Tivoli Workload Scheduler for z/OS Environment
- Scheduling with Tivoli Workload Scheduler for z/OS
- Maintaining the Integrity of Tivoli Workload Scheduler for z/OS

IBM Enterprise PL/1 Programming Curriculum

- PL/1 Fundamentals and Data Representation
- PL/1 Program Design Techniques
- PL/1 Accessing Data in Files
- PL/1 Debugging and Advanced Coding

IMS Curriculum

- IMS 15 Introduction
- IMS 15 Commands
- IMS 15 Databases
- IMS 15 Transaction Manager for Programmers

REXX Curriculum

- Introduction to the REXX Programming Language
- REXX Keyword Instructions
- REXX Built-In Functions
- REXX with z/OS and TSO/E

WebSphere Curriculum

- Introduction to WebSphere MQ
- Introduction to WebSphere Application Server

Java Programming Curriculum

- Java on z/OS for Java Programmers
- Java Introduction for the IBM Enterprise
- Java Programming for the IBM Enterprise
- Java Data Access for the IBM Enterprise

Linux Curriculum

- Introduction to Linux
- The Linux File System
- Editing with VI
- Linux Shell Programming
- Linux Operations
- Linux on IBM Z Fundamentals

z/OS UNIX System Services Curriculum

- z/OS UNIX System Services - Basics
- Interacting with the z/OS UNIX System
- Working with z/OS UNIX

IBM Certified SOA Associate Curriculum

- Service Oriented Architecture

Utilities Curriculum z/OS

- z/OS Batch Utilities Series
 - Data Utilities
 - General Data Set Utilities
 - Utilities – Advanced – Tips and Tricks
- VSAM Series
 - Introduction to VSAM

Cloud Computing Curriculum

- Cloud Computing for Data Centers

Mainframe Related Curriculum

- CLISTS Introduction
- Virtual Tape Server(VTS)
- Parallel Sysplex

z/VSE Curriculum

- z/VSE Basics
- z/VSE for Operators

MAINFRAME TRAINING SANDBOX EXERCISES (LABS)

These labs provide a range of exercises that can be run in your organization's mainframe training sandbox. Initial exercises focus on basic coding and resolving syntax errors and increase in complexity throughout the labs.

TOPICS AVAILABLE

- JCL
- Z/OS
- JES2
- ISPF
- SDSF
- CICS
- Security (RACF)
- COBOL
- Db2

MAINFRAME SKILLS ASSESSMENTS

Accurately and objectively evaluate the strengths and weaknesses of your mainframe workforce with these comprehensive banks of mainframe computing questions.

CICS Assessments

- CICS Concepts and Operation

COBOL Assessments

- COBOL Basics
- COBOL Advanced

JCL Assessments

- JCL Concepts
- JCL Problem Resolution
- JCL Coding

JES2 Assessments

- JES2 Concepts and Operation
- JES2 Problem Resolution

PL/I Assessments

- PL/I Basics
- PL/I Advanced

TSO/ISPF Assessments

- TSO/ISPF Concepts
- TSO/ISPF Operation

Mainframe Network Communications Assessments

- Mainframe Network Communications

□ z/OS Assessments

- z/OS Concepts
- z/OS System Operations
- z/OS Problem Diagnosis and Resolution

□ IBM z/OS System Programmer Assessments

- Systems Programming on z/OS Assessment
- Application Programming on z/OS Assessment
- z/OS Online Workloads Assessment
- Introduction to z/OS & the Mainframe Environment Assessment

COMING SOON

- z/OS v2.3 – All core z/OS courses will be updated
- BMC MainView
- z/VSE Curriculum – 8 new courses
- RACF – New courses
- Zowe – New courses
- HP Nonstop (Tandem) – 8 new courses

MAINFRAME COACHING & MENTORING TOOLBOX

Quickly and simply develop powerful in-house mainframe classes and webinars that, teamed with Interskill's e-learning courses, and Sandbox Exercises(Labs) offer the most comprehensive, system specific mainframe training!

MAINFRAME TOPICS AVAILABLE

- Job Control Language (JCL)
- z/OS Pathway
- Introduction to the IBM Environment
- z/OS Application Development
- z/OS Systems Programming
- COBOL Programming
- IMS Pathway
- Database (Db2)
- CICS Pathway
- Introduction to Mainframe Networks
- Introduction to z/OS Security