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 z/OS

**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
- Identity 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

**Zowe Curriculum**
- Zowe Basics

**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**
- Introduction to Storage and Disk Systems
- Understanding Tape Storage
- Networks, Administration, and DASD Management Using ICKDSF
- Managing z/OS Data Using DFSMS Constructs
- Storage and Tape Administration Using DFSMShsm and DFSMSrmm

**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

**FULL COURSE OUTLINES ARE AVAILABLE AT HTTPS://WWW.INTERSKILL.COM**
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

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 Endevor™ Software Change Manager Series
  - CA Endevor™ Software Change Manager Intro and Basic Usage
  - CA Endevor™ 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
  - RACF Introduction
  - Defining and Managing Users to RACF
  - Managing RACF Groups and Administrative Authorities
  - RACF for System Programmers
  - Protecting Data Sets Using RACF
  - Protecting General Resources Using RACF
  - RACF and z/OS UNIX
  - Managing Digital Certificates
  - RACF for Auditors

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

Coaching and Mentoring for Technical Specialists
- Coaching and Mentoring for Technical Specialists

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
- 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 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

FULL COURSE OUTLINES ARE AVAILABLE AT HTTPS://WWW.INTERSKILL.COM
COBOL Programming Curriculum
  - COBOL Programming - Basics
  - COBOL Data and Datfile Definitions
  - COBOL Programming - Manipulating Data
  - COBOL Programming - Advanced
  - IBM COBOL for z/OS
  - Accessing IMS Database from COBOL

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 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
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

COMING SOON
- z/OS v2.3 – All core z/OS courses will be updated
- BMC MainView
- z/VSE Curriculum – 8 new courses
- HP Nonstop (Tandem) – 8 new courses
- Advanced VSAM (RLS & TVS) – New course

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