This comprehensive, year-round, on-demand, online mainframe training resource is the world’s MOST delivered mainframe workforce training. Over 1 Million Mainframers Trained!

**MAINFRAME COURSES**

**z/OS Curriculum**
- z/OS Series
  - z/OS Concepts and Components
  - Initializing and Terminating the z/OS System
  - Monitoring the z/OS System
  - z/Architecture - Processing Workloads
  - z/Architecture - Memory, Address Spaces and Virtual Storage
  - 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

**zEnterprise Curriculum z/OS**
- Introduction to the IBM Z Systems
- IBM Z Hardware Models
- Managing IBM Z Enterprise System Hardware

**z/OS Management Facility Curriculum z/OS**
- z/OSMF - The IBM 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) – Introduction to z/OS JCL
- 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**
- z/OS Connect EE – IBM z/OS Connect Enterprise Edition v3

**Blockchain Curriculum**
- Blockchain Technologies

**Zowe Curriculum**
- Zowe Fundamentals

**DevOps and Agile Curriculum**
- DevOps – Introduction to DevOps in the Workplace
- Introduction to Agile

**Managed File Transfer Curriculum**
- Managed File Transfer for Operations

**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
- Implementing Pervasive Encryption on z/OS - Expert Videos*

**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

**IBM Z System Automation Curriculum**
- SA z/OS - Introduction to IBM Z System Automation
- SA z/OS - IBM System Automation: Planning, Installation, and Customization
- SA z/OS - IBM System Automation: Operations
- SA z/OS - Automation Definitions Introduction and Workshop
- SA z/OS - Advanced Automation and Reporting

**IBM Mainframe Performance and Capacity Management**
- Z Performance - Introduction to Mainframe Performance
- Z Performance - z/OS I/O Performance and Capacity Planning
- Z Performance - z/OS Performance Tools and Software Pricing
- Z Performance - z/OS Workload Manager

**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

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

WebSphere Curriculum
- WebSphere - Introduction to Java and WebSphere Application Server
- WebSphere - Introduction to Java and WebSphere Application Server on z/OS

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

IBM MQ Curriculum
- IBM MQ - Operations and Administration
- IBM MQ - Operations and Administration for z/OS
- IBM MQ - MQ for Application Programmers
- IBM MQ - Introduction to IBM MQ

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
  - RACF - Defining and Managing Users
  - RACF - Managing RACF Groups and Administrative Authorities
  - RACF - Protecting Data Sets Using RACF
  - RACF - Protecting General Resources Using RACF
  - RACF - RACF and z/OS UNIX
  - RACF - Managing Digital Certificates
  - RACF - RACF for System Programmers
  - RACF - RACF for Auditors

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

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

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

JES3plus Curriculum
- JES3plus - JES3plus Fundamentals
- JES3plus - JES3plus for System Operators
- JES3plus - JES3plus for System Programmers
- JES3plus - JES3plus for Application Programmers

COBOL Programming Curriculum
- COBOL Programming – Basics
- COBOL Programming – Datafile Definitions
- COBOL Programming – Manipulating Data
- COBOL Programming – Advanced
- COBOL IBM Enterprise COBOL 6.3 for z/OS
- Accessing IMS Database from COBOL

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

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

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

Database Curriculum (Db2 v12)
- 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

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

Cloud Computing Curriculum
- Introduction to Cloud Computing
- Understanding Cloud Architecture

FULL COURSE OUTLINES ARE AVAILABLE AT HTTPS://WWW.INTERSKILL.COM
### REXX Curriculum
- Introduction to the REXX Programming Language
- REXX Keyword Instructions
- REXX Built-In Functions
- REXX with z/OS and TSO/E

### 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

### Parallel Sysplex Curriculum
- Parallel Sysplex - Fundamentals

### 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

### Disaster Recovery Curriculum
- Ensuring Data Center Business Continuity

### Utilities Curriculum z/OS
- Data Utilities
- General Data Set Utilities
- Utilities – Advanced – Tips and Tricks

### VSAM Curriculum
- VSAM – Introduction to VSAM
- VSAM – Managing VSAM Data
- VSAM – Advanced – Tips and Tricks

### Mainframe Related Curriculum
- CLISTS Introduction

### IBM Z Workload Scheduler Curriculum
- Understanding How IBM Z Workload Scheduler Processes Work
- Monitoring and Managing the IBM Z Workload Scheduler Environment
- Scheduling with IBM Z Workload Scheduler
- Maintaining the Integrity of IBM Z Workload Scheduler

### BMC Curriculum
- Control-M Series
  - Introduction to CONTROL-M for z/OS
  - Defining and Scheduling Jobs Using Control-M
  - Monitoring and Managing Job Processing
- MainView Series
  - Overview of the MainView Environment
  - Advanced MainView Screen Functionality

### Broadcom (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

### 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
  - CLP Programming
  - CLP 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

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**Full Course Outlines are available at [https://www.interskill.com](https://www.interskill.com)**
IBM Certified SOA Associate Curriculum
  - Service Oriented Architecture

* Part of our new Expert Videos Collection

MAINFRAME SKILLS ASSESSMENTS
Accurately and objectively evaluate the strengths and weaknesses of your mainframe workforce. Fill skill gaps! Target training!

- 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
- z/OS Assessments
  - z/OS Concepts
  - z/OS System Operations
  - z/OS Problem Diagnosis and Resolution
- Mainframe Network Communications Assessments
  - Mainframe Network Communications

COMING IN 2022
COURSE UPDATES & EXPANSIONS
  - IBM Developer for z Systems (IDZ)
  - REXX
  - z/OS Updated to v2.5

NEW COURSES
  - z/VSE Curriculum – 8 new courses
  - RestAPI
  - Python

z/VSE Curriculum
  - z/VSE Basics
  - z/VSE for Operators
  - z/VSE Machine Learning Introduction

TRAINING SANDBOX EXERCISES (LABS)
Advanced Mainframe Training via guided, hands-on Mainframe Labs on your Mainframe system. Taking mainframe skills to the NEXT LEVEL!

  - JCL (z/OS)
  - TSO/ISPF
  - JES2
  - SDSF
  - z/OS Operator
  - COBOL Programming
  - z/OS UNIX
  - z/OS Systems Programmer Basics
  - IMS*
  - Database (Db2) (SQL)*
  - CICS*
  - Intro to Mainframe Networks*
  - Introduction to z/OS Security*

* Released throughout 2022

COACHING & MENTORING TOOLBOX
Train senior mainframers to be superior coaches & mentors then arm them with a tool to simply develop customized in-house mainframe classes/webinars. Utilize Enhanced Pathways to team e-learning courses, Labs & coaching/mentoring into a customized mainframe training powerhouse!

COACHING AND MENTORING COURSE CURRICULUM
  - Coaching and Mentoring for Technical Specialists

MAINFRAME CLASS/WEBINAR DEVELOPER
  - 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 z/OS Security

ENHANCED LEARNING PATHWAYS

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