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
- Installing and Managing z/OS Software Series
  - Introduction to SMP/E

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 – JOBS 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 Fundamentals
- 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

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 DFSMSshm 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

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

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 - 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

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

COBOL Programming Curriculum
  - COBOL Programming – Basics
  - COBOL Data and 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

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

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

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

Parallel Sysplex Curriculum
- Parallel Sysplex - Fundamentals

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

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

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

IBM Certified SOA Associate Curriculum
- Service Oriented Architecture

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

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

COMING IN 2021
COURSE UPDATES & EXPANSIONS
  - IDZ
  - WebSphere
  - REXX
  - CICS TS Operations 5.5

NEW COURSES
  - Advanced VSAM (RLS & TVS)
  - z/VSE Curriculum – 8 new courses

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 2021-2022

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