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
- 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) – Introduction to z/OS JCL
- JCL (z/OS) – Using Special Data Sets in Batch Jobs
- JCL (z/OS) – Identifying & Resolving Batch Problems in JCL
- JCL (z/OS) – Coding Procedures & JES2 Control Statements
- JCL (z/OS) – Advanced

**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

**Mainframe Application Performance Curriculum**
- Introduction to Sampling Performance Tools

**z/OS Connect**
- Introduction to z/OS Connect

**Blockchain Curriculum**
- Blockchain Fundamentals

**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

**DevOps and Agile Curriculum**
- DevOps Fundamentals
- Introduction to Agile

**Cryptography Curriculum**
- Cryptography

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

**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

**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

FULL COURSE OUTLINES ARE AVAILABLE AT HTTP://WWW.INTERSKILL.COM
C Programming
  - C/C++ on z/OS for C Programmers

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

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
    - Defining Users to RACF
    - Protecting System Resources Using RACF
    - RACF for System Administrators and Auditors

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

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

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

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

FULL COURSE OUTLINES ARE AVAILABLE AT HTTP://WWW.INTERSKILL.COM
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 v15
- Introduction to IMS
- IMS Commands
- IMS Databases

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
- VSAM Series
  - Introduction to VSAM

Cloud Computing Curriculum
- Cloud Computing for Data Centers

Disaster Recovery Curriculum
- Ensuring Data Center Business Continuity

CERTIFICATION BUNDLES
IBM System z Mastery Test Curriculum
- Introduction to IBM Enterprise Environment
- z/OS Systems Programming Fundamentals
- IBM Development Environment Overview
- Using Online System Facilities - TSO/ISPF
- CICS Transaction Server(TS) - Introduction
- Introduction to RDBMSs and DB2
- Introduction to WebSphere Application Server
- Introduction to WebSphere MQ
- Managing Data Files and Definitions with ISPF/PDF
- Maintaining Data in Files with the ISPF Editor
- JCL (z/OS) - Introduction to z/OS JCL
  - Systems Programming on z/OS Practice Assessment
  - Application Programming on z/OS Practice Assessment
  - z/OS Online Workloads Practice Assessment
  - Intro to z/OS & Mainframe Environment Practice Assessment

(Note: Interskill Learning has updated its specialty curriculum mapped to the “IBM System z Mastery Test” which is IBM’s global industry standard for entry level System z system programmers.)

MAINFRAME PRESENTER SERIES
Quickly and simply develop powerful in-house mainframe classes and webinars that, teamed with Interskill’s e-learning courses, offer the most comprehensive, system specific mainframe training!

MAINFRAME PRESENTER SERIES 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

FULL COURSE OUTLINES ARE AVAILABLE AT HTTP://WWW.INTERSKILL.COM
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 40 core z/OS courses will be updated
- BMC NetView
- z/VSE Curriculum – 12 new courses
- HP Nonstop (Tandem) – 8 new courses
- IMS TM (Transaction Manager) – New