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 v2.1 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 Console Simulator v2.1 Series**
  - z/OS MVS Command Simulations
  - JES2 Command Simulations
  - VTAM Command Simulations
  - CICS Command Simulations
  - z/OS System Shutdown and IPL Simulations
- **z/OS Performance Monitoring Series**
  - Performance Monitoring Basics
- **Installing and Managing z/OS Software Series**
  - Introduction to z/OS Software

**z/Enterprise Curriculum z/OS v2.1**
- Introduction to z/Enterprise – EC12, BC12 & zBX

**z/OS Management Facility Curriculum z/OS v2.1**
- The z/OS Management Facility

**IBM Explorer for z/OS Curriculum z/OS v2.1**
- IBM Explorer for z/OS

**Job Control Language (JCL) Curriculum z/OS v2.1**
- 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

**JES Curriculum**
- **JES2 Concepts, Commands, & Application z/OS v2.1 Series**
  - 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
- **JES3 Series**
  - JES3 Concepts and Commands

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

**Blockchain Curriculum**
- Blockchain Fundamentals

**DevOps**
- DevOps Fundamentals

**TSO/ISPF for z/OS Curriculum z/OS v2.1**
- Using Online System Facilities – TSO/ISPF
- Managing Data Files and Definitions with ISPF/PDF
- Maintaining Data in Files with the ISPF Editor

**IBM Environment Introduction Curriculum z/OS v2.1**
- Introduction to IBM Enterprise Environment
- z/OS Systems Programming Fundamentals
- IBM Development Environment Overview

**IBM Mainframe Communications Curriculum z/OS v2.1**
- IBM Mainframe Communications Concepts
- VTAM Commands
- Mainframe TCP/IP Commands

**SDSF Curriculum z/OS v2.1**
- System Display & Search Facility (SDSF) Series
  - 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

**Mainframe Products Curriculum**
- **z/OS Related Products Series**
  - CLISTS Introduction
  - HSM Overview
  - FOCUS
  - Virtual Tape Server (VTS)
  - Parallel Sysplex
  - System Managed Storage (SMS)

**Data Center Storage Management Curriculum z/OS v2.1**
- 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

FULL COURSE OUTLINES ARE AVAILABLE AT HTTP://WWW.INTERSKILL.COM
Rational Developer for System z Curriculum
- Rational Developer for System z Basics
- Creating and Managing Applications Using RDz

Big Data, Hadoop and Analytics Curriculum
- Big Data, Hadoop and Analytics

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
- CA SYSVIEW Performance Management Series
  - CA SYSVIEW Performance Management Overview
  - CA SYSVIEW Administration and Security
  - CA SYSVIEW Implementation
- CA Jobtrac Job Management Series
  - CA Jobtrac Job Management
- CA Easytrieve Report Generator Series
  - CA Easytrieve Report Generator
- CA Netmaster Network Management for TCP/IP Series
  - CA Netmaster Network Management for TCP/IP

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

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

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

COBOL Programming Curriculum
- COBOL Programming Series
  - 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

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 HTTP://WWW.INTERSKILL.COM
Assembler Programming Curriculum
- Assembler Introduction
- Assembler Instructions
- Assembler Macros
- Assembler Programming
- Assembler z/OS Advanced
- Assembler Cross Memory Services

Tivoli Workload Scheduler Curriculum
- Tivoli Workload Scheduler for z/OS Series
  - 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

BMC Curriculum
- Control-D Series
  - CONTROL-D
- Control-M Series
  - Introduction to CONTROL-M Scheduling
  - Monitoring the CONTROL-M Scheduling Environment

IBM Enterprise PL/1 Programming Curriculum
- IBM Enterprise PL/1 Programming Series
  - PL/1 Fundamentals and Data Representation
  - PL/1 Program Design Techniques
  - PL/1 Accessing Data in Files
  - PL/1 Debugging and Advanced Coding

iSeries Curriculum
- iSeries Series
  - iSeries Concepts
  - Introduction to iSeries Security
  - AS/400 Operations Navigator
  - AS/400 Operations
  - iSeries Operating Facilities
- iSeries Programming Fundamentals Series
  - CL Programming
  - CL Programming Functions and Messaging
  - Introduction to iSeries Programming Environment
  - Introduction to iSeries Programming Facilities
- iSeries Application Programming Introduction Series
  - Introduction to Programming the iSeries
  - Introduction to DB2/400
  - Introduction to Device Files
- iSeries Query Series
  - Query for Users
- iSeries RPG Series
  - RPG/400 Introduction
  - RPG/400 Coding
  - RPG/400 Programming
  - RPG/400 Workstation Programming
  - Introduction to iSeries Programming Series
    - Introduction Integrated Language Environment (ILE)
    - ILE RPG/400
- iSeries Subfile Programming Series
  - Introduction to Subfiles
  - Input and File Load Subfiles
  - Load by Page and Maintenance Subfiles

IMS Curriculum
- Introducing IMS
- IMS Commands
- IMS Database Manager

REXX Curriculum
- REXX Series
  - 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

z/VM 6.3 Curriculum
- z/VM Concepts, System Initialization and Shutdown
- Monitoring and Controlling z/VM Operations
- Managing Guest Operating Systems
- Identifying and Resolving z/VM Problems

Java Programming Curriculum
- 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

OS/390 UNIX Curriculum
- Introduction to OS/390 UNIX
- OS/390 UNIX Applications and Interfaces
- OS/390 UNIX Customization & Administration

IBM Certified SOA Associate Curriculum
- Service Oriented Architecture

Utilities Curriculum z/OS v2.1
- z/OS Batch Utilities Series
  - Data Utilities
  - General Data Set Utilities
- VSAM Series
  - Introduction to VSAM

Cloud Computing Curriculum
- Cloud Computing for Data Centers

Disaster Recovery Curriculum
- Ensuring Data Center Business Continuity

VSE Curriculum
- 16 Titles

Tandem Curriculum
- 26 Titles
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 RDBMS 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.)

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 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

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

COMING SOON
- zEnterprise (IBM z14) – New
- z/OS 2.2 – Update
- BMC Control-M - Update
- IMS Curriculum – Update
- z/OS UNIX System Services - New
- Tips & Tricks for the Experienced Mainframer - New
- Machine Learning - New
- Improving Application Performance with Strobe, FreezeFrame and APA - New
- Java on z/OS for Java Programmers - New
- Agile and Application Development - New
- IMS TM (Transaction Manager) - New

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