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 SMF/E

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 – 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

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

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 – Tips and Tricks

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 Datafile 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
- 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

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