Muskegon Community College

IBM i Curriculum

CIS 121 File Design and Utilities – 1 credit
An introductory level course:
· Coding DDS for physical and logical files
· Using PDM, DFU, Query for IBM i
· Introduction to SQL, DDL and DB2 Web Query

CIS 131 Operations and Commands – 1 credit
An introductory course:
· Using CL - prompting methods and keyword methods
· Introduction to job queues and output queues
· Handling system and user messages
· Using Information Center
· Introduction to Navigator and Access for Web
· Introduction to the concepts of CLP

CIS 170 RPG Programming – 3 credits
· RDi, RDi Report Designer, RDi Screen Designer
· Externally described input and output – DDS
· Free form File and Definition specs
· Free form Calc specs – arithmetic, processing character data and dates, decision-making and subroutines
· Random file processing
· Introduction to interactive applications
· Fixed vs. Free
· Understanding legacy code, input/output specs

CIS270A - Advanced RPG Programming– 3 credits
· Tables and arrays
· File maintenance and data validation
· Interactive application development using RDi
· Modular programming - ILE - procedures, subprocedures, service programs
· Subfiles
· Monitoring errors
· Embedding SQL

These courses are offered in an online format.
For more information, contact Char Parker at
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Muskegon Community College is proud to be an "IBM Academic Initiative" institution.