Oracle SQL Programming and Database Design Specialist

Certificate of Achievement

The **Oracle SQL Programming and Database Design Specialist** micro-credential equips students with the skills needed for entry-level positions as a database developer/programmer. Students learn to design a database and program using a live Oracle server with curriculum provided by the Oracle Corporation -- enhancing employability and allowing students to update their technological skills.

Upon completion, students are eligible for and encouraged to take the Level I Developer certification examinations:

* *Oracle Database 11g: Program with PL/SQL*
  exam number 1Z0-144

* *Oracle Database: Advanced PL/SQL*
  exam number 1Z0-148 (PL/SQL is prerequisite)

PROGRAM OUTCOMES

- Explain basic concepts of databases;
- Code using Oracle Structured Query Language programming;
- Code using PL/SQL programming language.

Successful completion of credits from this Certificate of Achievement can be applied toward the Database Administration certificate and Computer Information Systems degree programs.

Admission to the program requires readiness for college-level English and Math and approval from the program coordinator. Students may receive credit for previous training in a skills area by applying for credit by examination, credit by experience, and/or transfer credit as evaluated and approved by the program coordinator.

SEE ALSO:

Computer Information Systems degree program
Computer Science degree program
Computer Science certificate program
Computer Support Specialist certificate program
Database Administration certificate program
Database Concepts and Skills Associate certificate program
Information Technology degree program
Information Technology: Cybersecurity degree program
IT System Analyst Associate certificate program
Mobile and Web Computing certificate program
Web Development certificate program

CERTIFICATE CURRICULUM

2023-2024 Academic Year
INFO.TECH.SQL.DB.CRT
CIP 110201

Credit-bearing certificate programs can serve as gateways to earning an associate degree. Students are encouraged to consult the program coordinator, an academic advisor or Success Coach to explore such opportunities.

Code	Course (lecture/lab hours)	Credits
FIRST SEMESTER		
IST 109	Introduction to Programming (2/2)	3
SECOND SEMESTER		
IST 253	Database Concepts (2/2)	3
IST 262	Oracle SQL (3/2)	4
THIRD SEMESTER		
IST 222	PL/SQL Programming (2/2)	3
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