Database Programming Certificate

Degree Type
Certificate

This certificate gives students knowledge of programming techniques required for database management. Students work with desktop database programs as well as client-server applications. Students will solve business computer problems through programming techniques and procedures, using appropriate languages and software. The primary emphasis of the curriculum is hands-on training in programming, database design, database application, web development and related computer areas that provide the ability to adapt as information systems evolve. Graduates should qualify for employment in business, industry, and government organizations as entry-level programmers, programmer trainees, software developers, database developers, software specialists, or information managers. Students who successfully complete the following courses can be awarded this certificate. This certificate program can also be used for completion of the Information Technology A.A.S. – Database Programming Option.

Students must adhere to prerequisite courses as described in the course descriptions in this catalog.

First Semester

Course Number	Title	Credits
ITSE 1311	Beginning Web Programming	3
BCIS 1305	Business Computer Applications	3
ITSE 1345	Introduction to Oracle SQL	3
ITSW 1307	Introduction to Database	3
ITSY 1300	Fundamentals of Information Security	3

Second Semester

Course Number	Title	Credits
ITSC 1316	Linux Installation and Configuration	3
CPMT 1351	IT Essentials: PC Hardware and Software	3
ITSW 2337	Advanced Database	3
ITSE 2354	Advanced Oracle PL/SQL	3
ITSC 1315	IT Project Management	3
	Total Credits	**30**