

IT Oracle/Database Technologies

10-credit Advanced Technical Certificate

About the Certificate

A culmination of in-depth course material for both database developers and database administrators who desire to enhance their professional credentials in database technologies. Courses include Introduction to SQL, Database Programming and Database Structure. Students will write SQL, SQL* and PL/SQL code to query databases, to create procedures and functions, to create a database and to manage database operations.

Pearson VUE/Prometric Testing Center

WCTC is both a Pearson VUE and Prometric testing center. We are able to provide day and evening testing for most popular certifications that include:

- Cisco
- CompTIA
- Help Desk Institute
- Linux Professional Institute
- Microsoft
- VMware, Inc.

What is an Advanced Technical Certificate?

An advanced technical certificate (ATC) is designed for professionals with work experience or prior education in a degree program.

How to Enroll

A permit is needed before registering for classes within this certificate. Fill out the permit at www.wctc.edu/atcpermitcad or call 262.691.5056.

For more information, call 262.691.5056.

Required Courses

First Semester

152-114 Introduction to SQL 3

Total semester credits 3

Second Semester

152-121 Database Programming 3

Total semester credits 3

Third Semester

152-123 Database Structure 4

Total semester credits 4

Curriculum is current as of catalog printing.

IT Oracle/Database Technologies Required Courses

152-114 Introduction to SQL 3

Follow a step-by-step introduction to the topics concerning database concepts, basic SQL SELECT statements, table creation and management, constraints, data manipulation and transaction control, additional database objects, user creation and management, restricting rows and sorting data, joining data from multiple tables, selected single-row functions, group functions, sub queries and MERGE, views, formatting readable output, and exploring SQL topics in application development. This course covers the objective of Exam 1ZO-007, Introduction to Oracle 9i: SQL and the SQL portions of IZO-042 Oracle Database 10g: Administration.
Prerequisites: 152-106 Basic Programming/Logic or 107-106 Basic Programming/ Logic or Equivalent work experience

152-121 Database Programming 3

Learn how to write PL/SQL procedures, functions, and packages in Oracle. Work in both the Procedure Builder and the SQL *Plus environments to develop the ability to create and manage PL/SQL program units and database triggers. Become familiar with the use of some of the Oracle supplied packages.
Prerequisites: 152-114 Introduction to SQL or 107-114 Intro to Oracle: SQL& PL SQL

152-123 Database Structure 4

Focus on the operation and management of database components from the perspective of the database developer and the perspective of the database administrator. Learn how database components interact with each other to create a database, start and stop a database, evaluate database performance, and manage system performance and efficient operations. Hands-on lab assignments will help reinforce the student's understanding of key database concepts.
Prerequisites: 152-114 Introduction to SQL and 152-121 Database Programming