

Business Application and Database Management Certificate of Achievement

Major Code: 0701.00

Total Units: 16 units

This program is intended for students interested in business application, database design & programming and e-commerce. Students will be instructed in designing and maintaining databases that are used to serve dynamic data to websites.

Semester 1:

Course		Units
CIS 120	Intro to Database	3
Elective *		3
Total Units		6

Semester 2:

Course		Units
CIS 219	Intro to Oracle	3
CIS 237	Microsoft SQL Server	3
Electives*		4
Total Units		10
Total Certificate Units		16

*Electives: **Choose 3 courses from the following courses**

CS 101	Intro to Computer Science
CIS 285	Direct Study
CIS 101	Intro to Computers and their uses
CIS 104	Microcomputer Application Software
CIS 190	E-Commerce Essentials
CIS 150	Advanced Website Dev. using Java script and Ajax
CIS 192	Intro to Cloud Computing
CIS 193	Database Essentials in AWS Cloud Computing
CIS 147	Introduction to Web Page Design
CIS 148	Intro to Web Dev using HTML and CSS
CS 111	Programming in Visual Basic
CS 112	Programming in Java Script
CS 140	Programing for Mobile Application
CS 141	Advance Programing for Mobile Devices