

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 an additional 7 units from the following courses**

CIS 185	(Direct Study- Computer Science - Information Technology)
CIS 285	(Direct Study- Computer Science - Information Technology)
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 115	(Advance Linux Operating System and Applications)
CIS 211	(Security+ Certification Preparation)
CIS 147	(Introduction to Web Page Design)
CIS 148	(Intro to Web Dev using HTML and CSS)
CS 119	(Programming in Python)
CS 213	(Advanced Programming in Java)
CS 140	(Programing for Mobile Application)
CS 141	(Advance Programing for Mobile Devices)