

Computer Web Support & Database Administration Certificate Achievement

Major Code: 0709.00
Total 30 units

SLO#1-Understand how the internet uses HTML, Client side and Server side scripting to build modern web sites
 SLO#2-Design and maintain websites using HTML, CSS and JavaScript
 SLO#3-Design and develop web applications using JavaScript and HTML5 technologies
 SLO#4-Design and maintain databases that are used to serve dynamic data to websites
 SLO#5-Design and develop dynamic databases applications using enterprise databases such as Oracle, Microsoft SQL Server and MySQL
 SLO#6-Understand the core concepts in building an E-Commerce site that is published on the Internet

Semester 1:

Course	Units
CIS 120 Database Design	3
CIS 148 HTML5 & CSS	3
Major elective*	3
Total Units	9

Semester 2:

Course	Units
CIS 219 Oracle Database	3
CIS 150 Web Dev Java script & Ajax	3
Major elective *	3
Total Units	9

Semester 3:

Course	Units
CIS 237 Microsoft SQL Server	3
CIS 112 Programming in Java Script	3
Total Units	6

Semester 4:

Course	Units
Major Elective *	6
Total degree units	30

*Major Electives:

choose 4 courses from the following elective courses

CIS 101	Intro to Computers and Their Uses
CIS 285	Direct Study
CIS 190	E-Commerce Essentials
CIS 147	Introduction to Web Technology and Design
CS 140	Programing for Mobile Application
CS 141	Advance Programing for Mobile Devices
CIS 192	Intro to Cloud Computing
CIS 193	Database in AWS Cloud Computing
CIS 194	Computer Engines in AWS Cloud Computing
CIS 195	Cloud Security
CS 111	Programming in Visual Basic