

Computer Web Support & Database Administration Certificate Achievement

Major Code: 0709.00
Total 31 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 ASP.Net, 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	4
Major elective *	3
Total Units	10

Semester 3:

Course	Units
CIS 237 Microsoft SQL Server	3
Major Elective*	6
Total Units	9

Semester 4:

Course	Units
Major Elective *	3
Total degree units	31

***Major Electives:**

Choose major elective and CS/CIS elective from the following courses

CIS 185	(Direct Study- Computer Science - Information Technology)
CIS 285	(Direct Study- Computer Science - Information Technology)
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)
CS 119	(Programming in Python)
CS 213	(Programming in Java)
CIS 115	(Advance Linux Operating System and Applications)
CIS 211	(Introduction to Computer and Information Security)