Computer Web Support & Database Administration Associate Degree

Major Code: 0709.00

AS degree requires 30 units of major, 18 units of G.E. and 12 units of any CS/CIS/GE courses

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	**Web Dev** HTML5 & CSS	3
Major elective*		6

Semester 2:

Course		Units
CIS 219	Oracle Database	3
CIS 150	Web Dev Java script &Ajax	3
CS 112	Programming in JavaScript	3

Semester 3:

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

Semester 4:

Course	Units
GE Elective (see counselors)	18
Additional GE/CS/CIS	12
Total Degree Units	**60**

*Major Electives:
Choose 4 elective from the following courses

CIS 101	**Intro to Computers and Their Uses**
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 111	**Programming in Visual Script**
CIS 104	**Computer Application**
CIS 122	**Data Analytics**
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 in AWS Cloud Computing**

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