

2022 - 2023

## Information Systems: Web Design Associate in Science Degree

Complete the following program of study (Major C.693D.AS). Major requirements (25.5- 26.5 units minimum).

The Associate in Science Degree is designed to provide students with the basic knowledge and skills necessary to pursue a career in Information Systems. Students completing the Business Department Core courses and the Information Systems core courses and one of the three options (Networking, Web Design, or Programming for the Web) will be able to enter the workforce with a comprehensive understanding of computer basics and a computing specialty (option) that can be applied in business, government, or education.

Name: \_\_\_\_\_ Student ID: \_\_\_\_\_ Date: \_\_\_\_\_

### Course Overview and Selection

#### Information Systems Core:

Course	Course Description	Units	Completed	In Progress	Planned
IS 13	Database Essentials	1.5			
IS 15	Computer Concepts	3			
IS 16	Word Processing	1.5			
IS 18	Spreadsheet Fundamentals	1.5			
IS 40A	Web Development with HTML, CSS, and JavaScript	3			
IS 40B	Advanced Web Design Concepts, Design and Programming	3			
IS 42A or ART 37A	Graphics Design for the Web or Photoshop: Digital Visual Art	3			
IS 42B or ART 42	Animating for Web Designs or Computer Animation/3D	3			

#### List A: Select two courses:

Course	Course Description	Units	Completed	In Progress	Planned
IS 31	Introduction to Programming	3			
IS 33	Beginning Java Programming	3			
IS 47	Visual Basic	3			
IS 50A	Introduction to Game Programming	3			
CSCI 40	Programming Concepts and Methodology I	4			

#### Program Learning Outcomes:

1. Operate commonly used computer hardware and office software.
2. Identify the categories of software by their purpose and provide examples of each category.
3. Plan, design, and write stand-alone computer programs.
4. Apply structured logic in analyzing and solving problems.
5. Develop a well-designed relational database.
6. Create a Web document that contains hyperlinks, graphics, tables and forms.
7. Demonstrate a breadth of knowledge of networking its uses in the business environment.

#### Comments: