

## 2017-2018 Associate in Science Degree in Information Systems: Programming for the Web Option

Complete the following program of study (#C.693C.AS). Major requirements (34.5 units minimum).

The purpose of this program is to provide students with the knowledge, training, and hands-on experience to pursue a career as a web programming specialist. Students completing this course of study will be able to enter the workforce as a programming specialist in web environments in business government, and education. These courses apply toward the Associate in Science Degree in Information Systems.

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

### Course Overview and Selection

#### Core Courses:

Course	Course Description	Units	Completed	In Progress	Planned
<b>ACCTG 40</b>	Applied Accounting	<b>4</b>			
<b>BA 5</b>	Business Communications	<b>3</b>			
<b>BA 10</b>	Introduction to Business	<b>3</b>			
<b>IS 15</b>	Computer Concepts	<b>3</b>			
<b>IS 16</b>	Word Processing	<b>1.5</b>			
<b>IS 18</b>	Spreadsheet Fundamentals	<b>1.5</b>			
<b>IS 31</b>	Introduction to Programming	<b>1.5</b>			
<b>IS 33</b>	Beginning Java Programming	<b>3</b>			
<b>IS 26A or IS 50A</b>	Database Concepts and Design <i>or</i> Introduction to Game Programming	<b>3</b>			
<b>IS 40A</b>	Web Development with HTML, CSS, and Java Script	<b>3</b>			
<b>IS 47 or IS 50A or IS 50B</b>	Visual Basic <i>or</i> Introduction to Game Programming <i>or</i> Intermediate Game Programming	<b>3</b>			
<b>IS 60</b>	Operating Systems	<b>2</b>			

#### Complete one course from the following:

Course	Course Description	Units	Completed	In Progress	Planned
<b>BA 39</b>	Finite Mathematics for Business	<b>3</b>			
<b>MATH 5A</b>	Math Analysis I	<b>5</b>			
<b>STAT 7</b>	Elementary Statistics	<b>4</b>			

#### Program Learning Outcomes:

1. Plan, design, and write stand-alone computer programs.
2. Apply structured logic in analyzing and solving problems
3. Develop a well-designed relational database.
4. Create a Web document that contains hyperlinks, graphics, tables and forms.

#### Comments: