PROGRAM OF STUDY

INFORMATION SYSTEMS Associate in Science Degree

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 four options (End User/Help Desk, Networking, Web Design, or Web Programming) 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.

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 and its uses in the business environment

Business Department Core		**Units**
ACCTG40	APPLIED ACCOUNTING	3
BA5	BUSINESS COMMUNICATIONS	3
BA10	INTRODUCTION TO BUSINESS	3
IS15	COMPUTER CONCEPTS	3

Select one (1):		**Units**
BA39	FINITE MATHEMATICS FOR BUSINESS	3
DS117	BUSINESS MATHEMATICS	3
MATH5A	MATH ANALYSIS I	5
STAT7	ELEMENTARY STATISTICS	4

Information Systems Core		**Units**
IS16	WORD PROCESSING	1.5
IS18	SPREADSHEET FUNDAMENTALS	1.5
IS26A	DATABASE CONCEPTS AND DESIGN	3
IS29	OPERATING SYSTEMS	1.5
IS40A	INTERNET CONCEPTS & DESIGN	3

Select an option from:	**Units**
Help Desk Option	
Networking Option	
Web Design Option	
Web Programming Option	

Help Desk Option		**Units**
IS26B	ADVANCED DATABASE CONCEPTS AND DESIGN	1.5
IS30	FUNDAMENTALS OF NETWORKING	3
IS45	COMPUTER CONFIGURATION AND TROUBLESHOOTING	1.5

Networking Option		**Units**
IS30	FUNDAMENTALS OF NETWORKING	3

| IS43 | ADVANCED NETWORKING CONCEPTS | 3 |
| IS45 | COMPUTER CONFIGURATION AND TROUBLESHOOTING | 1.5 |

Web Design Option | | **Units** |
| IS40B | ADVANCED INTERNET CONCEPTS AND DESIGN | 3 |
| IS42A | BUSINESS AND WEB GRAPHICS | 3 |

Web Programming Option | | **Units** |
IS31	INTRODUCTION TO PROGRAMMING	1.5
IS33	BEGINNING JAVA PROGRAMMING	3
	or	
IS50A	Introduction to Game Programming	3
IS47	VISUAL BASIC	3

Total Units **31.5 - 35**