

PROGRAM OF STUDY

Information Systems, Web Programming and Design Option 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, the Information Systems Core courses and Web Programming and Design option 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. This degree specifically covers computer programming and technologies that are used to create web based, mobile device, and stand alone applications.

Program Learning Outcomes Upon successful completion of this program the student will be able to:

operate commonly used computer hardware and office software

identify the categories of software by their purpose and provide examples of each category

plan, design, and write stand-alone computer programs

apply structured logic in analyzing and solving problems

develop a well-designed relational database

create a web document that contains hyperlinks, graphics, tables, and forms

demonstrate a breadth of knowledge of networking and its uses in the business environment.

Business Department Core - 10 units

		Units
ACCTG40	Applied Accounting	4
BA5	Business Communications	3
BA10	Introduction to Business	3

Information Systems Core - 15 units

		Units
IS15	Computer Concepts	3
IS26A	Database Concepts and Design	3
IS31	Introduction to Programming	3
IS40A	Web Development with HTML	3
IS60	Operating Systems	3

Select two Web Programming Courses - 6 units

		Units
IS33	Beginning Java Programming	3
IS40B	Advanced Internet Concepts and Design	3
IS47	Visual Basic	3
IS50A	Introduction to Game Programming	3
IS50B	Introduction to Game Programming using Unity 3D	3

Select one math course - 3-5 units

		Units
BA39	Finite Mathematics for Business	3
MATH5A	Math Analysis I	5
STAT7	Elementary Statistics	4

Total Units

34 - 36

Effective Term: Fall 2018

PID 718