

## INFORMATION TECHNOLOGY

To earn an associate of applied science degree in Information Technology, a student must successfully complete the following general education and core requirements, in addition to one of the specific concentrations listed in the following pages. Students are encouraged to seek advisement to build a program consistent with their career goals.

There are many career opportunities in Information Technology career fields. Students will study in a wide range of programs that expose them to innovative technologies that impact the world.

### Required Program of Study for Associate of Applied Science Degree (2 years)

#### Core Requirements

| Course   | Credits   |
|--|-----------|
| ACCT 1100 Survey of Accounting .....                         | 3         |
| INFO 1020 Introduction to Information Technology ...         | 3         |
| INFO 1420 Introduction to Programming in C# .....            | 4         |
| INFO 1170 Operating Systems I .....                          | 3         |
| INFO 2330 Database Concepts, Design and<br>Application ..... | 4         |
| INFO 1725 HTML, CSS, and JavaScript .....                    | 3         |
| INFO 2040 Project Management .....                           | 3         |
|  | <u>23</u> |

#### General Education Requirements

| Course   | Credits   |
|--|-----------|
| BSAD 1000 Human Relations and Ethics <b>OR</b><br>PSYC 1810 Introduction to Psychology ..... | 3         |
| BSAD 2050 Business Communications .....  | 3         |
| ECON 2110 Principles of Macroeconomics .....   | 3         |
| INFO 1100 Microcomputer Applications .....   | 3         |
| MATH 1100 Topics and Ideas in Mathematics .....  | 3         |
|  | <u>15</u> |

|  |              |
|--|--------------|
| Core Requirements .....                | 23           |
| General Education Requirements .....   | 15           |
| Approved Concentration Electives ..... | <u>25-35</u> |

#### Total Credit Hours

**63-73**

## BUILD YOUR INFORMATION TECHNOLOGY DEGREE

The information technology career field has many areas of specialization. In order to give students the ability to choose their areas of specialization, the information technology department has developed several AAS degree concentrations which focus on a wide variety of topics.

#### STEP ONE:

Choose any two of the following career concentrations:

Cisco Networking Academy  
Information Security  
System Administration  
Web and Visual Application Development  
Technical Services Support

#### STEP TWO:

Match two chosen concentrations from each row and column to find the page for unique AAS degree concentration.

(For example, if you chose Cisco Networking and Technical Services Support, you would find your AAS program of study on page 120.)

#### STEP THREE:

Go to the page listed with your AAS Concentration.

|                                    | Cisco<br>Networking | Information<br>Security | System<br>Administration | Technical<br>Services Support | Web and Visual<br>Application Devl |
|------------------------------------|---------------------|-------------------------|--------------------------|-------------------------------|------------------------------------|
| Cisco<br>Networking                |                     | pg. 121                 | pg. 122                  | pg. 123                       | pg. 127                            |
| Information<br>Security            | pg. 121             |                         | pg. 124                  | pg. 125                       | pg. 128                            |
| System<br>Administration           | pg. 122             | pg. 124                 |                          | pg. 126                       |                                    |
| Technical<br>Services Support      | pg. 123             | pg. 125                 | pg. 126                  |                               | pg. 129                            |
| Web and Visual<br>Application Devl | pg. 127             | pg. 128                 |                          | pg. 129                       |                                    |

## SYSTEM ADMINISTRATION AND TECHNICAL SERVICES SUPPORT CONCENTRATION

This degree concentration combines the information technology core and general education requirements plus the courses from the system administration certificate option and the technical services support option. A student completing this degree will have the necessary skills to be a system administrator and provide necessary technical support within an organization.

*\*For a student to continue in the System Administration program they must meet the requirement of a cumulative GPA of 3.0 or higher at the completion of the courses necessary for the General IT Certificate. Please refer to the System Administration Program Grade requirement.*

### Required Program of Study for Associate of Applied Science Degree (2 years)

#### FIRST YEAR

| Fall Semester  |           |
|--|-----------|
| Course   | Credits   |
| BSAD 2050 Business Communications* .....             | 3         |
| INFO 1020 Introduction to Information Technology ... | 3         |
| INFO 1100 Microcomputer Applications* .....          | 3         |
| INFO 1170 Operating Systems I .....                  | 3         |
| INFO 1420 Introduction to Programming in C# .....    | 4         |
|  | <u>16</u> |

| Spring Semester   |           |
|---|-----------|
| Course  | Credits   |
| INFO 1725 HTML, CSS, and JavaScript .....                 | 3         |
| INFO 2330 Database Concepts, Design and Application ..... | 4         |
| INFO 1850 Operation Systems II .....                      | 3         |
| INFO 1600 PC System Maintenance and Repair .....          | 3         |
| INFO 1610 PC System Maintenance and Repair Lab ...        | 1         |
| MATH 1100 Topics and Ideas in Mathematics* .....          | 3         |
|   | <u>17</u> |

| Internship Options**                              |         |
|---|---------|
| Course  | Credits |
| <b>Select one of the following options:</b> ..... | 3       |
| INFO 2820 Internship ( <i>summer only</i> ) ..... | 3       |
| <b>OR</b>   |         |
| INFO 2020 Systems Analysis and Design .....       | 3       |
| ( <i>final semester only</i> )                    |         |

\*See general education requirements.

\*\*Students are encouraged to enroll in summer internships (*3.0 GPA and permission of instructors required*).

If student does not meet internship requirements, they must enroll in INFO 2020 System Analysis and Design in the final semester.

#### SECOND YEAR

| Fall Semester                                   |           |
|---|-----------|
| Course  | Credits   |
| ACCT 1100 Survey Accounting .....               | 3         |
| BSAD 1000 Human Relations and Ethics* <b>OR</b> |           |
| PSYC 1810 Introduction to Psychology* .....     | 3         |
| INFO 2040 Project Management .....              | 3         |
| INFO 2650 Network Servers .....                 | 3         |
| INFO 2660 Network + .....                       | 3         |
|   | <u>15</u> |

| Spring Semester                                     |           |
|---|-----------|
| Course  | Credits   |
| ECON 2110 Principles of Macroeconomics* .....       | 3         |
| INFO 1800 Microcomputer Applications II .....       | 3         |
| INFO 1750 Info Tech Infrastructure Management ..... | 3         |
| INFO 2610 Computer Support Technology .....         | 3         |
| INFO 2770 System Security and Compliance .....      | 3         |
|   | <u>15</u> |

Total Credit Hours 66