

## Career Education

### Computer Coding-AAS

The Associate of Applied Science in Computer Coding will focus on the scripting and coding skills employers are demanding. A strong emphasis will be placed on hands-on labs and exercises that will reinforce the lectures. Students will have ample time to be creative in their programs, and the degree will be administered in such a way to make the learning/exercises useful beyond academics. What sets this degree apart from similar degrees is the ability of graduates to get much more scripting and coding experience while meeting the requirements of the A.A.S. degree.

Graduates can work in multiple settings including:

- Database Operator
- Software Debugger
- Help Desk
- Software Administrator
- Computer Coding
- Mobile App Designer

### Associate of Applied Science Computer Coding

**Total Program = 60 Credit Hours**

*The fourth digit in the course number indicates the number of credit hours.*

### University Requirement - 1 or 3 hours

**University Requirement**

**Department**

The 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count toward electives.

UNIV 1001	Principles of Academic Success I	University
UNIV 1003	Principles of Academic Success III	University

### Computer Coding Requirements - 60 hours

#### Semester I Fall - 11 hours

**Semester I Fall**

**Department**

CIS 1503	Microcomputer Applications I	Computer Information Systems
CST 1104	Introduction to Computer Hardware/Software	Computer Systems and Networking Technology
CST 1154	Computer Coding	Computer Systems and Networking Technology

## Semester II Spring - 17 hours

### Semester II Spring

CIS 2873 Structured Programming in the C Language

CST 1234 Database Technology

ENG 1003 Freshman English I

CST 1124 Microcomputer Operating Systems

MATH 1013 Technical Mathematics A, B, C, D, E, J, M and V

### Department

Computer Information Systems

Computer Systems and Networking  
Technology

English

Computer Systems and Networking  
Technology

Mathematics

## Semester III Fall - 17 hours

### Semester III Fall

CST 2134 Local Area Network I

CIS 2543 Special Topics in Computer Aps: Java

*Choose one additional CST 4 credit hour elective (CST XXX4)*

### Department

Computer Systems and Networking  
Technology

Computer Information Systems

### Semester III Fall

Choose one course below.

ENG 1013 Freshman English II

ENG 2033 Technical Writing and Communication

### Department

English

English

### Semester III Fall

Select one Social Science course from the following departments.

*HIST (History), SOC (Sociology), POSC (Political Science), ECON (Economics), PSY (Psychology), GEOG (Geography)*

### Department

## Semester IV Spring - 15 hours

### Semester IV Spring

CIS 2033 Visual Basic Programming

CIS 2553 Special Topics in Computer Aps: Advanced Java

### Department

Computer Information Systems

Computer Information Systems

### Semester IV Spring

Choose one course below.

CST 1104 Introduction to Computer Hardware/Software

CST 1134 Router Technologies - Cisco II

CST 2234 Introduction to Security

CST 2484 System Virtualization

CST 2174 Local Area Network II

### Department

Computer Systems and Networking  
Technology

Computer Systems and Networking  
Technology

Computer Systems and Networking  
Technology

Computer Systems and Networking  
Technology

Computer Systems and Networking  
Technology

CST 1354 Computer Forensics Essentials

Computer Systems and Networking  
Technology

**Semester IV Spring**

Choose one course below.

- BIOL 1004 Biology for General Education
- BIOL 1014 Principles of Biology
- BIOL 2104 Microbiology
- BOT 1104 General Botany
- ZOOL 1204 Principles of Zoology
- ZOOL 2004 Human Anatomy and Physiology I
- ZOOL 2014 Human Anatomy and Physiology II
- CHEM 1014 General Chemistry I
- CHEM 1024 General Chemistry II
- PHSC 1204 Physical Science
- PHSC 1304 Earth Science
- PHYS 2054 General Physics I
- PHYS 2064 General Physics II
- PHYS 2074 University Physics I
- PHYS 2084 University Physics II

**Department**

- Biological Science
- Biological Science
- Biological Science
- Botany
- Zoology
- Zoology
- Zoology
- Chemistry
- Chemistry
- Physical Science
- Physical Science
- Physics
- Physics
- Physics
- Physics

**Semester IV Spring**

Students must also select an additional 1 credit hour Elective course.

**Department**