

## 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

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

UNIV 1003 Principles of Academic Success III

#### Department

University

University

### Computer Coding Requirements - 60 hours

#### Semester I Fall - 11 hours

#### Semester I Fall

CIS 1503 Microcomputer Applications I

CST 1104 Introduction to Computer Hardware/Software

CST 1154 Computer Coding

#### Department

Computer Information Systems

Computer Systems and Networking  
Technology

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**