

# ASSOCIATE IN APPLIED SCIENCE

# COMPUTER AND INFORMATION TECHNOLOGIES

(60 hrs. min.)

CIP: 11.0101

School of Business and Applied Technologies, (505) 428-1332

This degree provides students with the skills necessary to enter the workplace technically competent in the fields of computers and technology. It combines theoretical learning and industry certification preparation with the benefits of hands-on training and exercises to provide a breadth of knowledge in the computer information technology field.

NOTE: A.A.S. degrees are designed to prepare students for entry-level positions in specific occupations; they are not generally intended to transfer to four-year institutions. For more information on transfer, please refer to Page 34 of this catalog, or speak with an academic adviser.

## PROGRAM OUTCOMES

Upon completion of this program, students will be able to:

- Design, assemble and evaluate computer hardware systems.
- Examine, differentiate and manage the use of computer operating systems.
- Assess, determine and utilize the advance functions of desktop software applications.
- Diagram, build, examine and restructure computer network systems.
- Describe, discuss and explain basic programming concepts.

## GENERAL EDUCATION REQUIREMENTS: (26 HRS. MIN.)

### Communications (6 hrs.)

ENGL 111      Composition and Rhetoric (3)

ENGL 216      Technical Writing (3)

### Math (4 hrs.)

MATH 121      College Algebra (4)

[or]

MATH 150      Pre-Calculus (4)

### Science (4 hrs.)

### Social/Behavioral Sciences (3 hrs.)

### Humanities and Fine Arts (3 hrs.)

### Computers/Technology (4 hrs.)

CITC 111      Computer and Technology (4)

### Health, Physical Education and Recreation (HPER) or Dance (2 hrs. min.)

## CORE REQUIREMENTS: (25 HRS.)

CISC 111      Introduction to Computer Science (3)

[and]

CISC 111L      Introduction to Computer Science Lab (1)

CISC 125      Introduction to Programming (4)

CITC 112      Hardware/Software Fundamentals (4)

CITC 122      Computer Networks (3)

CITC 219      IT Lab (3)

CITC 298      Internship (3)

[or]

CITC 299            Cooperative Education (3)

OFTC 111           Business Software Essentials I (4)

**APPROVED ELECTIVES: (9 HRS.)**

Students must work closely with program advisors to select 9 hours.

NOTE: See “College Success Course Requirement” on Page 10.

**TOTAL 60 CREDITS MIN.**