

# COMPUTER / IT PROGRAMS

## INFORMATION SYSTEMS

### Associate of Applied Science

67 credit hours\*

The Associates of Applied Science in Information Systems (IS) is designed to introduce students to contemporary information systems and demonstrate how these systems are used throughout global organizations. The focus of this program will be on the key components of information systems – people, software, hardware, data, security, and communication technologies, and how these components can be integrated and managed to create competitive advantage. Upon completion of this degree program students will be prepared for entry level Information System jobs in Information Systems operations support and services.

Upon completion of the degree students will be able to:

- Understand and explain how and why information systems are used today.
- Understand globalization and the role information systems play in businesses.
- Understand and analyze various types of information systems, including estimation of both costs and benefits.
- Understand and apply the major components of an information systems infrastructure.
- Understand, apply and evaluate how to secure information assurance.

*\*Additional hours may be required for program requirements for transfer students who are NMGEC complete.*

*Any student who is ineligible for state, national, or industry licensure or certification is ineligible for entry into this program.*

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#### Institutional and Related Requirements – 10 hours

ENGL 1110 – Composition I (3)

FYEX 1110 – First-Year Seminar (3)

MATH 1216 – Preparatory Algebra (4)

*Note: If institutional/related requirements are waived, additional elective courses will be needed to meet the minimum hours required for the degree.*

#### Program Requirements – 42 hours

COMM 2120 – Interpersonal Communication (3)\*

CS 123/L – Programming Fundamentals/L (4)

CS 234 – Intermediate Programming (3)

ENGL 2210 – Professional & Technical Communication (3)

BCIS 1115 – Introduction to Computers (3)

BCIS 2310 – Spreadsheets and Data Analysis (3)

IS 153 – Intro of Information Systems (3)

IS 160 – Overview of Operating Systems & Utilities (3)

IS 170 – Systems Analysis & Design (3)

IS 241 – Intro to Web Design (3)

IS 270 – Data and Information Management (3)

IS 287 – Application Development (3)

IS 299 – Capstone (1)

MGMT 2110 – Principles of Management (3)

MATH 1220 – College Algebra (4)\*\*

MATH 1350 – Introduction to Statistics (4)

*\*May be used to satisfy NMGEC Communications requirement.*

*\*\*May be used to satisfy NMGEC Mathematics requirement.*

#### New Mexico General Education Curriculum (NMGEC) – 15-17 hours (as itemized below)

##### Communications – 3 hours

ENGL 1120, 2210; and COMM 1130, 2120, 2150.

##### Mathematics – 4 hours

MATH 1130, 1220, 1230, 1510, 1520.

##### Science – 4 hours

**Choose one** from\* ANTH 1120C; BIOL 1110/L, 1133C, 1215/L, 2110/L, 2210/L, 2310/L, 2610/L; CHEM 1215/L, 1225/L; GEOL 1120/L.

*\*see course description for Math prerequisite*

##### Social and Behavioral Sciences – 3 hours

CJUS 1110, 2140, 2360; ECON 1110, 2110, 2120; GEOG 1130; POLS 1120; PSYC 1110, 2110, 2120, 2130, 2140, 2260; SOCI 1110, 2310.

##### Flexible Three – 3 hours

**Choose one course** from:

Any course from the NMGEC and/or BUSA 1110