Bachelor of Science Degree in Computer Information Systems

General Education Requirements ................................................................. 35 Credit Hours

Composition ............................................................................................... 6 Credit Hours
Fine Arts ................................................................................................... 3 Credit Hours
Communication ......................................................................................... 3 Credit Hours
Humanities ................................................................................................ 3 Credit Hours
U.S. History or Government ...................................................................... 3 Credit Hours
Social Sciences .......................................................................................... 6 Credit Hours
Mathematics .............................................................................................. 3 Credit Hours
Science w/lab ............................................................................................ 8 Credit Hours

Major Requirements ..................................................................................... 40 Credit Hours

CIS 1193  PC Hardware and Software Maintenance
CIS 2203  Programming Logic and Design
CIS 2223  Microcomputer Applications (ACTS Equivalent # CPSI 1003)
CIS 3423  COBOL Programming Language
CIS 3443  Object-Oriented Programming Languages
Choose one:
   CIS 3453  WWW Programming
   CIS 3463  Programming Mobile Applications
CIS 3523  System Analysis and Design
CIS 3553  Advanced COBOL Programming Language
CIS 4503  Data Communications and Networking
CIS 4623  Database Management Systems
CIS 4634  Application Software Development Project
CIS ____  3 credit hours of CIS electives (3000-4000)
CIS ____  3 credit hours of CIS electives (3000-4000)

Supportive Requirements ............................................................................. 21 Credit Hours

ACCT 2213  Principles of Financial Accounting (ACTS Equivalent # ACCT 2003)
ACCT 2223  Principles of Managerial Accounting (ACTS Equivalent # ACCT 2013)
Choose one:
   ECON 2203  Prin. of Macroeconomics (ACTS Equivalent # ECON 2203)
   ECON 2213  Prin. of Microeconomics (ACTS Equivalent # ECON 2213)
ECON 2113  Business Statistics I (ACTS Equivalent # BUS 2103)
GB 2043  Business Communications (ACTS Equivalent # BUS 2013)
   Choose one:
      MGMT 3473  Prin. of Mgmt. & Org. Behavior
      MGMT 4613  Mgmt. Info. Systems
MKT 3403  Principles of Marketing

General Electives .......................................................................................... 24 Credit Hours
CIS Electives

CIS 1013  Introduction to Computer-Based Systems
CIS 198V  Special Topics
CIS 3103  Advanced Microcomputer Applications
CIS 3233  Business Database Management Systems
CIS 3243  Introduction to Java Programming
CIS 3433  Introduction to C# Programming
CIS 370V  Computer Information Systems Practicum
CIS 399V  Special Topics
CIS 4253  CIS Security
CIS 4263  Ethics in Information Technology
CIS 460V  Internship in Computer Information Systems
CIS 4723  Seminar in Computer Information Systems
CIS 479V  Independent Study in Computer Information Systems

*** NOTE *****  There are several courses offered under Special Topics throughout the Fall, Spring and Summer semesters. Please see Class Schedule on UAM Website for course offerings.