

## COMPUTER INFORMATION SYSTEMS, ASSOCIATE OF SCIENCE

---

### ASSOCIATE DEGREE REQUIREMENTS:

- Minimum 61 Credit Hours
  - Writing Intensive Course
  - Minimum Cumulative G.P.A.: 2.00
  - 15 Credit Hours of Residency Courses
  - 9 Credits of Major Residency Courses
  - Minimum G.P.A. in the Major: 2.00
- 

### PROGRAM MAJOR REQUIREMENTS (30 CREDIT HOURS):

- BUA 223 Principles of Management (3)
  - CIS 101 Introduction to Computer Science (3)
  - CIS 110 Programming Fundamentals (3)
  - CIS 131 Web Applications and Development (3)
  - CIS 135 Introduction to Information Systems & Applications Development (3)
  - Complete any 200-level programming courses (3):
    - CIS 212 Intro to Visual Basic Programming*
    - CIS 214 Introduction to Java Programming*
    - CIS 215 Introduction to C++ Programming*
    - CIS 216 Programing in C# and .NET*
  - CIS 221 Linux (3)
  - CIS 240 Networking Concepts (3)
  - CIS 255 Database Design (3)
  - ISS 210 Introduction to Information Security (3)
- 

### OTHER PROGRAM REQUIREMENTS (31 CREDIT HOURS):

- Complete any 100-level Communications course (3)
- ENG 101 College Writing (3)
- ENG 317W Professional Writing (3)
- Complete one of the following Fine Arts electives (3):
  - ART 1xx any 100-level Art course*
  - DRA xxx any Drama course*
  - ENG 351W Creative Writing I*
  - ENG 452 Creative Writing II*
  - MUH 1xx any 100-level Music History course*
  - MUS 1xx any 100-level Music course*
- Complete one of the following Humanities electives (3):
  - AME xxx any American Studies course*
  - ARH 105 History of Art & Architecture I*
  - ARH 106 History of Art & Architecture II*
  - DRA xxx any Drama course*
  - ENG xxx any English course (except ENG 101 or 317w)*
  - FRE xxx any French course*
  - HGH xxx any Holocaust, Human Rights & Genocide course*
  - HTY xxx any History course*
  - HUM xxx any Humanities course*
  - MUH xxx any Music History course*
  - PHI xxx any Philosophy course (except PHI 135 or 335)*
  - SPA xxx any Spanish course*
  - WGS xxx any Women and Gender Studies course*
- MAT 112 College Algebra (3)
- MAT 115 Elementary Statistics I (3)
- MAT 280 Discrete Mathematical Structure I (3)

- Complete any 100-level Laboratory Science course (4) *chemistry or physics recommended*
- Complete one of the following Social Science electives (3):
  - ANT 1xx any 100-level Anthropology course*
  - ECO 1xx any 100-level Economics course*
  - ECO 201 Macroeconomics*
  - ECO 202 Microeconomics*
  - JUS 1xx any 100-level Justice Studies course*
  - POS 1xx any 100-level Political Science course*
  - PSY 1xx any 100-level Psychology course*
  - SOC 1xx any 100-level Sociology course*
  - SSC 1xx any 100-level Social Science course*

---

Students are encouraged to contact their faculty advisor and the Advising Center for academic advising and support services throughout their stay at UMA.

---