# COMPUTER INFORMATION SYSTEMS (ARTIFICIAL INTELLIGENCE) - ASSOCIATE OF APPLIED SCIENCE

**(61-62 credits)**

## A Suggested Plan of Study

The contents of this roadmap may vary depending on initial student placement in mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

The New Mexico General Education Requirements (https://catalogs.nmsu.edu/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/) can be found in the section titled, “Transfer Among New Mexico Institutions of Higher Education".

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

| **Semester 1** | | **Credits** |
|---|---|---|
| CIST 2321 | Visual Analytics | 3 |
| CIST 2311 | Database Concepts and Principles | 3 |
| ENGL 1110G | Composition I | 4 |
| CIST 1411 | Introduction to Networks | 4 |
| | **Credits** | **14** |
| **Semester 2** | | |
| CIST 2210 | Introduction to SQL (Structured Query Language) | 3 |
| ENGL 2210G | Professional and Technical Communication | 3 |
| CIST 2331 | Predictive Analytics | 3 |
| CIST 2251 | Python Programming II | 3 |
| Approved Elective | | 4 |
| | **Credits** | **16** |
| **Semester 3** | | |
| MATH 1220G<br>or MATH 1250G<br>or MATH 1350G<br>or MATH 1430G<br>or MATH 1511G | College Algebra<br>or Trigonometry & Pre-Calculus<br>or Introduction to Statistics<br>or Applications of Calculus I<br>or Calculus and Analytic Geometry I | 3 |
| AIML 1320 | Fundamentals of Artificial Intelligence | 4 |
| CTEC 152<br>or CSCI 1210 | JAVA Programming<br>or Java Programming | 3 |
| CIST 1412 | Network Device Configuration | 4 |
| | **Credits** | **14** |
| **Semester 4** | | |
| CSCI 1115G | Modern Computing in Practice | 4 |
| AIML 2310 | Deep Learning | 4 |
| PHIL 1120G<br>or PHIL 2110G | Logic, Reasoning, & Critical Thinking<br>or Introduction to Ethics | 3 |
| CIST 2812 | Fundamentals of Cybersecurity | 3 |
| Approved Elective | | 3 |
| | **Credits** | **17** |
| | **Total Credits** | **61** |

[1] Approved Elective with prefix of BCIS, CSCI, E T, MATH, AIML, CIST, ICT