

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

|                      |           |
|----------------------|-----------|
| Approved Elective    | 3         |
| <b>Credits</b>       | <b>17</b> |
| <b>Total Credits</b> | <b>61</b> |

<sup>1</sup> Approved Elective with prefix of BCIS, CSCI, E T, MATH, AIML, CIST, ICT

(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         |
| <b>Credits</b>                                                                 |                                                                                                                                                            | <b>14</b> |
| 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         |
| <b>Credits</b>                                                                 |                                                                                                                                                            | <b>16</b> |
| 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         |
| <b>Credits</b>                                                                 |                                                                                                                                                            | <b>14</b> |
| 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         |