

The Computer Information System (CIS) degree is a two-year Associate of Applied Science degree that prepares students with a solid set of skills and knowledge in the Computer Information System field. The degree allows students to further their knowledge by pursuing an area of emphasis towards industry certification, computer programming or transferring to a 4-year university. †

Major courses are carefully selected in areas of Information Systems, Computer Networking, and Computer Programming to provide students with an exceptional foundation in the field.

Job opportunities exist in entry-level positions as a computer support professional or technician, systems analyst or computer programmer.

| Required Courses | Credits | Pre or Co Reqs Rqd | Course Availability | | |
|---|---------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | | | Fall | Spr | Sum |
| General Education Courses | | | | | |
| • COM 115 - Public Speaking* OR COM 125 - Interpersonal Communication | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • ECO 201 - Principles of Macroeconomics: GT-SS1* | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • ECO 202 - Principles of Microeconomics: GT-SS1* | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • ENG 121 - English Composition I: GT-CO1* | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • ENG 122 - English Composition II: GT-CO2 | 3 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • HIS 208 - American Indian History: GT-HI1* | 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • MAT 121 - College Algebra: GT-MA1 or Higher* | 4 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Major Courses | | | | | |
| • BUS 115 - Introduction to Business | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • CIS 118 - Intro to PC Applications | 3 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • CIS 220 - Fundamentals of Unix | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • CIS 240 - Database Design and Development | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • CIS 243 - Introduction to Structured Query Language (SQL) | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • CIS 267 - Management of Information Systems | 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • CSC 119 - Introduction to Programming | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • MAT 125 - Survey of Calculus: GT-MA1 | 4 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Concentration Courses | | | | | |
| • ACC 121 - Accounting Principles I | 4 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • BUS 216 - Legal Environment of Business | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • BUS 217 - Business Communication & Report Writing | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| • MAR 216 - Principles of Marketing | 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |



Pre-Requisites, Co-Requisites, and Recommendations (grade C or better required)

Where requirements are listed as course categories (e.g. Electives, Arts/Humanities) rather than as specific courses, please note that depending upon course choice, pre-requisites may be required.

CIS 118 - Intro to PC Applications

- Requirement: Students must have Windows file management skills to create file folders, rename files, delete files, copy and move files

ENG 122 - English Composition II: GT-CO2

- Pre-Requisite: ENG 121 - English Composition I OR ENG 131 - Technical Writing I

MAT 125 - Survey of Calculus: GT-MA1

- Pre-Requisite: MAT 121 - College Algebra OR MAT 123 - Finite Mathematics*

Program Outcomes

- Apply PC applications.
- Understand networking concepts.
- Understand database concepts.

Notes

- *This course requires college level readiness as measured by Accuplacer, ACT, or SAT scores; approved high school course work that is less than five years old; or successful completion of appropriate college-readiness course.
- AAA 101 – College 101: Student Experience is required for all new college students seeking degrees or transfer.
- Course availability is subject to change.
- Refer to 19/20 catalog for specific requirements and important information about this degree.
- Students transferring to MSU must take MAT 121.

Graduation Requirements

- To graduate, students must apply for graduation (form available at www.arapahoe.edu/departments-and-programs/graduation) by the deadline and meet all degree requirements.

RECOMMENDED COURSE SEQUENCE FULL-TIME TRACK

| Year 1: Fall | Credits | Course |
|----------------|---------|---|
| | 3 | CIS 118 - Intro to PC Applications |
| | 3 | CSC 119 - Introduction to Programming |
| | 3 | ECO 201 - Principles of Macroeconomics: GT-SS1 |
| | 3 | ENG 121 - English Composition I: GT-CO1 |
| | 4 | MAT 121 - College Algebra: GT-MA1 or Higher |
| Year 1: Spring | Credits | Course |
| | 4 | ACC 121 - Accounting Principles I |
| | 3 | BUS 115 - Introduction to Business |
| | 3 | COM 115 - Public Speaking OR COM 125 - Interpersonal Communication ~Recommended Communication Course(s)~ COM 115 - Public Speaking* |
| | 4 | MAT 125 - Survey of Calculus: GT-MA1 |
| Year 2: Fall | Credits | Course |
| | 3 | BUS 216 - Legal Environment of Business |
| | 3 | CIS 220 - Fundamentals of Unix |
| | 3 | CIS 240 - Database Design and Development |
| | 3 | ECO 202 - Principles of Microeconomics: GT-SS1 |
| | 3 | ENG 122 - English Composition II: GT-CO2 |
| Year 2: Spring | Credits | Course |
| | 3 | BUS 217 - Business Communication & Report Writing |
| | 3 | CIS 243 - Introduction to Structured Query Language (SQL) |
| | 3 | CIS 267 - Management of Information Systems |
| | 3 | HIS 208 - American Indian History: GT-HI1 |
| | 3 | MAR 216 - Principles of Marketing |

RECOMMENDED COURSE SEQUENCE PART-TIME TRACK

| Year 1: Fall | Credits | Course |
|----------------|---------|---|
| | 3 | CIS 118 - Intro to PC Applications |
| | 3 | ENG 121 - English Composition I: GT-CO1 |
| | 4 | MAT 121 - College Algebra: GT-MA1 or Higher |
| Year 1: Spring | Credits | Course |
| | 3 | COM 115 - Public Speaking OR COM 125 - Interpersonal Communication ~Recommended Communication Course(s)~ COM 115 - Public Speaking* |
| | 3 | CSC 119 - Introduction to Programming |
| | 4 | MAT 125 - Survey of Calculus: GT-MA1 |
| Year 1: Summer | Credits | Course |
| | 4 | ACC 121 - Accounting Principles I |
| | 3 | ECO 201 - Principles of Macroeconomics: GT-SS1 |
| Year 2: Fall | Credits | Course |
| | 3 | BUS 115 - Introduction to Business |
| | 3 | CIS 220 - Fundamentals of Unix |
| | 3 | CIS 240 - Database Design and Development |
| Year 2: Spring | Credits | Course |
| | 3 | CIS 243 - Introduction to Structured Query Language (SQL) |
| | 3 | CIS 267 - Management of Information Systems |
| | 3 | HIS 208 - American Indian History: GT-HI1 |
| Year 2: Summer | Credits | Course |
| | 3 | BUS 217 - Business Communication & Report Writing |
| | 3 | ENG 122 - English Composition II: GT-CO2 |
| Year 3: Fall | Credits | Course |
| | 3 | BUS 216 - Legal Environment of Business |
| | 3 | ECO 202 - Principles of Microeconomics: GT-SS1 |
| | 3 | MAR 216 - Principles of Marketing |