ACC
Business Pathway

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	☐	✔	✔	✔
• ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1*†	3	☐	✔	✔	✔
• General Education Elective (See Notes for specific requirements)†	3	☐	✔	✔	✔
• General Education Elective (See Notes for specific requirements)†	3	☐	✔	✔	✔
• General Education Elective (See Notes for specific requirements)†	3	☐	✔	✔	✔
• General Education Elective (See Notes for specific requirements)†	3	☐	✔	✔	✔
• MAT 121 - College Algebra: GT-MA1 or Higher*†	4	☐	✔	✔	✔
Major Courses					
• CIS 118 - Intro to PC Applications	3	✔	✔	✔	✔
• CIS 220 - Fundamentals of Unix	3	☐	✔	✔	✔
• CIS 240 - Database Design and Development	3	☐	✔	☐	☐
• CIS 243 - Introduction to Structured Query Language (SQL)	3	☐	☐	✔	☐
• CIS 267 - Management of Information Systems	3	☐	☐	✔	☐
• CNG 121 - Computer Technician I: A+	4	☐	✔	✔	✔
• CNG 124 - Networking I: Network +	3	☐	✔	✔	✔
• CSC 119 - Introduction to Programming	3	☐	✔	✔	✔
Concentration Courses					
• ACC 121 - Accounting Principles I	4	☐	✔	✔	✔
• BUS 216 - Legal Environment of Business	3	☐	✔	✔	✔
• BUS 217 - Business Communication & Report Writing	3	☐	✔	✔	✔
• MAR 216 - Principles of Marketing	3	☐	✔	✔	✔

Pre-Requisities, 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

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.

- †For students planning to transfer to MSU's BS in Computer Information Systems, they must take the following general education requirements: ENG 121, ENG 122, MAT 121, COM 115, ECO 201, ECO 202.

- AAA 101 – College 101: Student Experience is required for all new college students seeking degrees or transfer.

- Course availability is subject to change.

- General Education Electives: Select four (4) courses from the following: BUS 115, ECO 201, ECO 202, ENG 122, HIS 121, PHI 111, POS 105, POS 111, PSY 101, SOC 101.

- Recommended courses may be listed above for certain electives; consult with the Academic Advising Office (advising@arapahoe.edu or 303.797.5664) for additional elective recommendations.

- 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	ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1
		~Recommended Course(s)~
		ENG 121 - English Composition I: GT-CO1*
	3	General Education Elective
		~Recommended Course(s)~
		POS 105 - Introduction to Political Science: GT-SS1*
	4	MAT 121 - College Algebra: GT-MA1 or Higher
Year 1: Spring	**Credits**	**Course**
	4	ACC 121 - Accounting Principles I
	4	CNG 121 - Computer Technician I: A+
	3	CNG 124 - Networking I: Network +
	3	COM 115 - Public Speaking OR COM 125 - Interpersonal Communication
		~Recommended Communication Course(s)~
		COM 115 - Public Speaking*
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	General Education Elective
		~Recommended Course(s)~
		ENG 122 - English Composition II: GT-CO2
	3	General Education Elective
		~Recommended Course(s)~
		ECO 201 - Principles of Macroeconomics: GT-SS1*
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	General Education Elective
		~Recommended Course(s)~
		ECO 202 - Principles of Microeconomics: GT-SS1*
	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 GT-CO1 OR ENG 131 - Technical Writing GT-CO1
		~Recommended Course(s)~
		ENG 121 - English Composition I: GT-CO1*
	4	MAT 121 - College Algebra: GT-MA1 or Higher
Year 1: Spring	**Credits**	**Course**
	4	CNG 121 - Computer Technician I: A+
	3	COM 115 - Public Speaking OR COM 125 - Interpersonal Communication
		~Recommended Communication Course(s)~
		COM 115 - Public Speaking*
	3	CSC 119 - Introduction to Programming
Year 1: Summer	**Credits**	**Course**
	4	ACC 121 - Accounting Principles I
	3	General Education Elective
		~Recommended Course(s)~
		ENG 122 - English Composition II: GT-CO2
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
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
Year 2: Summer	**Credits**	**Course**
	3	General Education Elective
		~Recommended Course(s)~
		ECO 201 - Principles of Macroeconomics: GT-SS1*
	3	General Education Elective
		~Recommended Course(s)~
		POS 105 - Introduction to Political Science: GT-SS1*
Year 3: Fall	**Credits**	**Course**
	3	CNG 124 - Networking I: Network +
	3	General Education Elective
		~Recommended Course(s)~
		ECO 202 - Principles of Microeconomics: GT-SS1*
	3	MAR 216 - Principles of Marketing