

The Associate of Applied Science in Computer Information Systems is a two-year, 60-62 credit hour vocational degree program in business computer usage, management and operations. Emphasis is on learning to use the computer as a tool in a business environment. The CIS graduate will have a solid foundation in both business and information system skills. Job opportunities exist in traditional entry-level business positions as well as the more specialized areas of computer operator, systems analyst trainee, computer salesperson, user support, documentation specialist or librarian.

General Education Courses – 28 credit hours

	ENG 121 English Composition I	3
	ENG 122 English Composition II	3
	MAT 123 Finite Mathematics	4
	SPE 115 Public Speaking	3
	HIS 201 U.S. History I	3
	PHI 111 Introduction to Philosophy	3
	PSY 101 General Psychology I OR	3
	SOC 101 Introduction to Sociology I	3
	POS 105 Introduction to Political Science	3
	POS 111 American Government	3

Students must choose one of the following areas of emphasis:

Business Emphasis – 33 credit hours

	ACC 121 Principles of Accounting I	4
	ACC 122 Principles of Accounting II	4
	CIS 118 Introduction to PC Applications	3
	CIS 240 Database Design and Development	3
	CIS 267 Management of Information Systems	3
	CIS 268 Systems Analysis and Design	3
	MAN 226 Principles of Management	3
	MAT 125 Survey of Calculus	4
	ECO 201 Principles of Macroeconomics	3
	ECO 202 Principles of Microeconomics	3

Total A.A.S. degree with Business Emphasis – 61 credit hours

Computer Information Systems Emphasis – 32 credit hours

	ACC 121 Principles of Accounting I	4
	ACC 122 Principles of Accounting II	4
	CIS 118 Introduction to PC Applications	3
	CIS 240 Database Design and Development	3
	CIS 267 Management of Information Systems	3
	CIS 268 Systems Analysis and Design	3
	CSC 116 Logic and Program Design I	3
	CSC 154 Introduction to MS Visual Basic. Net	3
	Electives selected from CIS, CSC, or CNG	6

Total A.A.S. degree with Computer Information Systems Emphasis – 60 credit hours

Database Analyst Emphasis – 32 credit hours

	CSC 116 Logic and Program Design I	3
	CSC 154 Introduction to MS Visual Basic. Net	3
	CSC 160 Computer Science I (JAVA)	4
	CSC 233 Object Oriented Programming in C++	3
	CSC 253 MS ASP.NET Web Application Development	3
	CIS 220 Fundamentals of UNIX (Linux)	3
	CIS 240 Database Design and Development	3
	CIS 246 Oracle Database Administration I	4
	CIS 253 Programming a Microsoft SQL Server 2000 Database	3
	CIS 267 Management of Information Systems	3

Total A.A.S. degree with Computer Information Systems Emphasis – 60 credit hours

Business Applications Specialist Emphasis – 33 credit hours

	CIS 124 Introduction to Operating Systems	3
	CIS 128 Windows Complete	3
	CIS 130 Introduction to the Internet	1
	CIS 135 Complete PC Word Processing	3
	CIS 140 Microsoft Outlook	1
	CIS 145 Complete PC Database	3
	CIS 155 PC Spreadsheet Concepts	1
	CIS 161 Presentation Graphics	3
	CIS 167 Desktop Publishing (Publisher)	3
	CIS 202 Automated Project Management (MS Project)	1
	CIS 220 Fundamentals of UNIX (Linux)	3
	CIS 240 Database Design and Development	3
	Electives with prefix BUS, CIS, CSC, CNG	3

Total A.A.S. degree with Business Applications Specialist Emphasis – 61 credit hours

Web Developer in Information Systems Specialist Emphasis – 32 credit hours

	CIS 130 Introduction to the Internet	
	CIS 240 Database Design and Development	
	CSC 116 Logic and Program Design I	
	CSC 154 Introduction to MS Visual Basic. Net	
	CSC 160 Computer Science I (JAVA)	
	CSC 253 MS ASP.NET Web Application Development	
	CWB 110 Complete Web Authoring OR	
	MGD 141 Web Design I (Macromedia Flash)	
	CWB 130 Web Editing Tools (Front Page)	
	CWB 164 XML 1	
	MGD 111 Adobe Photoshop I	
	MGD 143 Motion Graphic Design: Flash	

Total A.A.S. degree with Web Developer in Information Systems Emphasis – 60 credit hours

IMPORTANT TELEPHONE NUMBERS:

STUDENT SERVICES

Admission and Records	M2470	303.797.5621
<ul style="list-style-type: none"> • Graduation coordination • Residency petitions • General information 		
Advising and Counseling Center	M 2010	303.797.5664
<ul style="list-style-type: none"> • Educational planning • Transfer advising • Academic success counseling 		
Bookstore	M1200	303.797.5676
<ul style="list-style-type: none"> • Order books online at www.efollett.com 		
Campus Police	M2600	303.797.5800
<ul style="list-style-type: none"> • Student ID cards, parking permits, locker rental • Crime reporting, escort to your car after hours • First aid • Lost and found 		
Career Center	M2025	303.797.5805
<ul style="list-style-type: none"> • Career planning seminars • Career resource library • Employment services • Job fairs 		
Cashier	M2300	303-797-5638
<ul style="list-style-type: none"> • Tuition payment, payment plans, refunds, general financial information • Ticket sales 		
Child Development Center	N1000	303.797.5678
<ul style="list-style-type: none"> • High quality, flexible, convenient, moderately-priced childcare services for ACC students, staff and faculty on a space-available basis 		
Disability Services	M2710	303.797.5937 v/tty
<ul style="list-style-type: none"> • Academic accommodations and specialized consultation for students with documented disabilities. Computer adaptations for students with vision, learning, orthopedic, or other disabilities. 		
Financial Aid	M2115	303.797.5661
<ul style="list-style-type: none"> • Apply online at www.FAFSA.ed.gov 		
Information Central	M2800	303-797-4222
<ul style="list-style-type: none"> • Registration, Add/Drop, Withdrawal, Schedules and general information • Name/address/personal information changes etc. 		
Library (Weber Center for Learning Resources)	M2500	303.797.5090
<ul style="list-style-type: none"> • Private study rooms 		
Math Lab	M3610	303.797.5877
<ul style="list-style-type: none"> • Students must register for MAT 101 Enhanced Mathematics Lab 		
Open Computer Lab	M1650	303.797.5907
<ul style="list-style-type: none"> • FREE computer access for registered students with an ACC Student ID 		
Student Affairs	M2820	303.797.5668
<ul style="list-style-type: none"> • Student Senate • Student Newspaper • Student Clubs and Programming • Student Grievances and Discipline 		
Testing Center	M2280	303.797.5993
<ul style="list-style-type: none"> • Computerized Placement Test (CPT) • GED testing, Instructor testing, CLEP/correspondence testing 		
Tutorial Services	M2710	303.797.5937 v/tty
<ul style="list-style-type: none"> • FREE workshops and academic tutors to supplement and enrich course requirements for those that qualify 		
Writing Center	M2855	303.797.5830
Location Abbreviations:		
<ul style="list-style-type: none"> • A – Annex. • AD – Art and Design Center • CSB – Church Street Building • DTC – Triad N Bldg Suite 111 (5660 Greenwood Plaza Blvd, Greenwood Village) • M – Main Building • N – North Building • UCC – University Center at Chaparral (15653 Brookstone Dr, Parker) 		

ASSESSMENT REQUIREMENTS:

Basic Skills courses may be required based on assessment scores. It is the student's responsibility to take these course requirements within the first 30 credits at ACC. Basic Skills courses are also available at other area community colleges.

Tested Out/ Completed	Semester	ACT/ SAT Last 2 yrs	Accuplacer	Course	Credits
Sentence Skills					
			25-49	See Developmental Studies Advisor	
			50-69	ENG060	3
			70-94	ENG090	3
		18/440	95-120	ENG 121	3
Reading					
			25-39	See Developmental Studies Advisor	
			40-61	REA060	3
			62-79	REA090	3
		17/430	80-120	REA 112	3
Mathematics					
			Arithmetic 24-56	MAT030	2
			Arithmetic 57-120	MAT060	3
			Elem. Alg. 45-60	MAT090	4
			Elem. Alg. 61-84	MAT106/111	5
		19/460	85-120	MAT 120,121,123,135/179	4
Study Skills/Orientation					
			Academic Achievement Strategies	AAA090	3
			College Orientation	AAA103	1
			Advanced Academic Achievement	AAA 109	3

EXEMPTIONS TO TESTING:

1. Have successfully completed a college-level mathematics and college-level english course with a grade of C or better. You must provide a transcript.
2. Have achieved the minimum ACT/SAT scores shown above within the last 2 years and provide documentation.
3. Have successfully completed necessary remedial course(s), if required with a "C" or better.
4. Have earned an Associate's degree or higher. You must provide documentation.
5. Some degree programs do not allow a waiver for the CPT.

IMPORTANT TRANSFER INFORMATION:

1. It is important that you consult an advisor and the transfer institution when choosing courses, as certain majors have particular degree prerequisites and general education course requirements that need to be taken within the Associate degree program.
2. Students who complete a 60 credit hour A.A./A.S. degree with appropriate course requirements and grades of C or better may be able to complete a Baccalaureate degree in 60 additional credits after transferring to a 4-year public institution.
3. Consult your ACC Advisor about Colorado's 60 + 60 plans.

SUGGESTIONS FOR SUCCESS

1. Take your CPT or be exempted (see above) before meeting with an academic advisor.
2. Take English, Speech and Math classes early in your program.
3. See your advisor about balancing your workload with credit load.
4. If you want to graduate in two years, take a minimum of fifteen college-level credits per fall/spring semester or twelve credits Fall/Spring and six credits Summer.
5. Transfer and financial aid students should consult an advisor before registering.

ADDITIONAL CLASS FORMATS

Many of the classes in this degree can be taken as **flex**, **online** or **hybrid** courses. Symbols in the semester schedule indicate which classes are offered in these formats.

You must apply for graduation at www.arapahoe.edu (Student Support Services) or at Information Central by: April 1 (summer graduation), July 1 (fall graduation) and November 1 (spring graduation).

For more information log on to www.arapahoe.edu.