

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 – 22 credit hours

	ENG 121 English Composition I OR	3
	ENG 131 Technical Writing	
	MAN 230 Corporate Responsibility	3
	MAT 121 College Algebra OR	4
	MAT 123 Finite Mathematics	
	SPE 115 Public Speaking OR	3
	SPE 125 Interpersonal Communications	
	HIS 201 U.S. History I OR	3
	PHI 111 Introduction to Philosophy	
	PSY 101 General Psychology I OR	3
	SOC 101 Introduction to Sociology I	
	POS 105 Introduction to Political Science OR	3
	POS 111 American Government	

Students must choose one of the following areas of emphasis:

Business Emphasis – 38 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 268 Systems Analysis and Design	3
	MAN 226 Principles of Management	3
	MAR 216 Principles of Marketing	3
	MAT 125 Survey of Calculus	4
	ECO 201 Principles of Macroeconomics	3
	ECO 202 Principles of Microeconomics	3
	OTHER Advisor Approved CIS Elective	5

Total A.A.S. degree with Business Emphasis – 60 credit hours

Computer Information Systems Emphasis – 38 credit hours

	ACC 121 Principles of Accounting I	4
	CIS 118 Introduction to PC Applications	3
	CIS 202 Automated Project Management	3
	CIS 240 Database Design and Development	3
	CIS 268 Systems Analysis and Design	3
	CNG 124 Networking I: Net+	3
	CNG 131 Network Security Fundamentals	3
	CNG 211 Windows XP Configuration	3
	CSC 116 Logic and Program Design I OR	3
	CSC 119 Intro to Programming	
	CSC 154 Intro to MS Visual Basic. Net	3
	Advisor Approved CIS Elective	8

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

Database Analyst Emphasis – 38 credit hours

	CSC 116 Logic and Program Design I OR	3
	CSC 119 Intro to Programming	
	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 232 UNIX Shell Programming	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 268 System Analysis and Design	3
	OTHER Advisor Approved CIS Elective	4

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

Business Applications Specialist Emphasis – 38 credit hours

	BUS 115 Intro Business	3
	CIS 128 Windows Complete OR	3
	CNG 211 Windows XP Configuration	
	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	3
	CIS 161 Presentation Graphics	1
	CIS 167 Desktop Publishing (Publisher)	3
	CIS 202 Automated Project Management (MS Project)	3
	OTHER Advisor Approved CIS Elective	14

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

Web Developer in Information Systems Specialist Emphasis – 38 credit hours

	CIS 130 Introduction to the Internet	1
	CIS 240 Database Design and Development	3
	CSC 116 Logic and Program Design I OR	3
	CSC 119 Intro to Programming	
	CSC 154 Introduction to MS Visual Basic. Net	3
	CSC 160 Computer Science I (JAVA)	4
	CSC 253 MS ASP.NET Web Application Development	3
	MGD 101 Intro to Computer Graphics	3
	CWB 110 Complete Web Authoring OR	3
	MGD 141 Web Design I (Macromedia Flash)	
	CWB 130 Web Editing Tools (Front Page)	3
	CWB 164 XML 1	3
	MGD 111 Adobe Photoshop I	3
	MGD 143 Motion Graphic Design: Flash	3
	OTHER Advisor Approved CIS Electives	6

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

IMPORTANT PROGRAM INFORMATION:

Please see Robbie McGurran, Department Chair, with any questions concerning this program; 303.797.5679 or Robbie.McGurran@arapahoe.edu.

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			AAA101	1
	Advanced Academic Achievement			AAA 109	3

EXEMPTIONS TO ASSESSMENT TESTING:

- Have successfully completed a college-level mathematics and college-level English course with a grade of C or better. You must provide a transcript.
- Have achieved the minimum ACT/SAT scores shown above within the last 2 years and provide documentation.
- Have successfully completed necessary remedial course(s), if required with a "C" or better.
- Have earned an Associate's degree or higher. You must provide documentation.

- Some degree programs do not allow a waiver for the CPT.

IMPORTANT TELEPHONE NUMBERS:

Admission and Records	admissions@arapahoe.edu	M2470	303.797.5621
Advising and Counseling Center	advising@arapahoe.edu	M 2010	303.797.5664
Bookstore	0249mgr@fhcg.follett.com	M1200	303.797.5676
Campus Police	campuspolice@arapahoe.edu	M2600	303.797.5800
Career Center	careers@arapahoe.edu	M2025	303.797.5805
Cashier		M2300	303-797-5638
Child Development Center		N1000	303.797.5678
Disability Services	heather.lawler@arapahoe.edu	M2710	303.797.5937 v/tty
Financial Aid		M2115	303.797.5661

- Apply online at www.FAFSA.ed.gov

Information Central	info-central@arapahoe.edu	M2800	303-797-4222
Library	library@arapahoe.edu	M2500	303.797.5090
Math Lab	math@arapahoe.edu	M3610	303.797.5877
	Students must register for MAT 101 Enhanced Mathematics Lab		
Open Computer Lab		M1650	303.797.5907
Student Affairs	heather.lawler@arapahoe.edu	M2820	303.797.5668
Testing Center		M2280	303.797.5993
Tutorial Services	debra.goldberg@arapahoe.edu	M2710	303.797.5937 v/tty
Writing Center		M2855	303.797.5830

Location Abbreviations:

A – Annex	AD – Art and Design Center
CSB – Church Street Building	M – Main Building
UCC – University Center @ Chaparral (15653 Brookstone Dr, Parker)	N – North Building

TRANSFER INFORMATION:

- 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.
- 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.
- Consult your ACC Advisor about Colorado's 60 + 60 plans.
- ACC has articulation agreements with several four-year institutions; visit the ACC Transfer Center of the website (www.arapahoe.edu) for more information.

SUGGESTIONS FOR SUCCESS

- Obtain and read a copy of the ACC catalog.
- Attend a New Student Orientation session.
- Maintain current contact information on file and read all correspondence from ACC.
- Take your CPT or be exempted (see above) before meeting with an academic advisor.
- Take English, Speech and Math classes early in your program.
- See your advisor about balancing your workload with credit load.
- 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.
- Transfer and financial aid students should consult an advisor before registering.

GRADUATION INFORMATION

- No catalog more than six years old may be used for graduation requirements; the 2007/2008 catalog may not be used beyond the Spring 2013 semester.
- You must apply for graduation; obtain the application online at www.arapahoe.edu (Student Services) and apply by: April 1 (summer graduation), July 1 (fall graduation) and November 1 (spring graduation).

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

Last Updated 06.21.2007