

The Computer Information System (CIS) degree is a two-year, 63-64 semester hour vocational degree program in business computer usage, management, programming, 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 skills. Job opportunities exist in traditional entry-level business positions as well as the more specialized areas of junior programmer, computer operator, systems analyst trainee, computer salesperson, user support, documentation specialist, or data librarian.

This program may transfer to Regis University School for Professional Studies toward a Bachelor of Science in Computer Information Systems. Specific course sequences and requirements apply. Contact the ACC Advising office or a faculty advisor in Computer Information Systems for specific details.

**Major Courses – 31 credit hours**

	ACC 121 Principles of Accounting I	4
	BUS 217 Business Communication and Report Writing	3
	CIS 240 Database Design and Development	3
	CIS 266 Topics in Computers	3
	CIS 267 Management of Information Systems	3
	CIS 268 Systems Analysis and Design	3
	CIS 287 Coop Education Career Training*	3
	CSC 116 Logic and Program Design	3
	MAN 128 Human Relations <b>OR</b>	
	MAN 224 Leadership	3
	MAN 226 Principles of Management	3

**General Education Courses – 19 credit hours**

	BUS 115 Introduction to Business	3
	CIS 115 Introduction to Computer Information Systems	3
	CIS 118 Introduction to PC Applications	3
	ECO 201 Principles of Macroeconomics <b>OR</b>	
	ECO 202 Principles of Microeconomics	3
	ENG 121 English Composition I <b>OR</b>	
	ENG 131 Technical Writing I	3
	MAT 121 College Algebra <b>OR</b>	4
	MAT 135/179 Introduction to Statistics	4

**Physical Education – 1 credit hour**

	PED Any Activity Course (The PED requirement will be waived for students who are 35 yrs or older at time of most recent admission to College. One credit hour must be taken to substitute for hour waived)	1
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**Option A –**

Option A is designed for traditional students pursuing a degree or certificate through ACC's regular campus programs. For additional information please contact [cisadvising@arapahoe.edu](mailto:cisadvising@arapahoe.edu)

**Programming Language – 3-4 credit hours. Select one course from the following:**

	CSC 150 Visual Basic Programming	3
	CSC 160 Computer Science I (JAVA)	4
	CSC 161 Computer Science II (JAVA)	4
	CSC 230 C Programming: Platform	3
	CSC 233 Object-oriented Programming in C++	4
	CSC 234 C++ Programming	4

**Restricted Electives – 9 credit hour**

	CIS or CSC classes	
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**Option B -**

Option B is designed for those students pursuing a degree or certificate through [ACC@DTC](mailto:ACC@DTC) or ACC's Academic Partners. For additional information please contact [ACC@DTC](mailto:ACC@DTC) at 303.734.3701 or the Academic Credit Coordinator at [ccpd@arapahoe.edu](mailto:ccpd@arapahoe.edu)

**Programming Language – 3-4 credit hours. Select one course from the following:**

	CSC 150 Visual Basic Programming	3
	CSC 160 Computer Science I (JAVA)	4
	CSC 161 Computer Science II (JAVA)	4
	CSC 230 C Programming: Platform	3
	CSC 233 Object-oriented Programming in C++	4
	CSC 234 C++ Programming	4
	CSC 236 C# Programming	4
	CSC 240 JAVA Programming	3
	CSC 241 Advanced JAVA Programming	3
	CIS 245 Data Modeling and Relational Databases	3
	CSC 250 Programming with MS ADO.NET	
	CSC 251 Programming with MS in Visual Basic.NET	3
	CSC 252 MS Visual Basic.NET	3
	CSC 253 MS ASP.NET Web Application Development	3
	CSC 255 ADO.NET Programming	3
	CSC 257 Building COM+ Applications/MS Net Enterprise Services	3
	CSC 258 Analyzing Requirements and Define/MS Net Solutions Architecture	3
	CSC 261 Programming with C#.NET	3
	CSC 262 MS C#.NET Application Development	3
	CSC 263 MS APS.NET XML Web Services Development	3

**Restricted Electives – 9 credit hour**

	CIS or CSC classes	1
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**Total Required – 63-64 credits**

- \* Coop education may be waived and substituted for students with equivalent work experience. An approval waiver form must be submitted to the Admission and Records office.
- \*\* Students intending to transfer to Regis University School for Professional Studies should see an advisor before selecting their general education and elective courses.



**IMPORTANT TELEPHONE NUMBERS:  
STUDENT SERVICES**

<b>Admission and Records</b>	<b>M2470</b>	<b>303.797.5621</b>
• Graduation coordination, residency petitions, general information		
<b>Advising and Counseling Center</b>	<b>M 2010</b>	<b>303.797.5664</b>
• Educational planning, transfer advising, academic success counseling		
<b>Bookstore</b>	<b>M1200</b>	<b>303.797.5676</b>
• Order books online at <a href="http://www.efollett.com">www.efollett.com</a>		
<b>Campus Police</b>	<b>M2600</b>	<b>303.797.5800</b>
• Student ID cards, parking permits, locker rental, crime reporting		
• Escort to your car after hours, first aid, lost and found		
<b>Career Center</b>	<b>M2025</b>	<b>303.797.5805</b>
• Career planning seminars, career resource library		
• Employment services, job fairs		
<b>Cashier</b>	<b>M2300</b>	<b>303-797-5638</b>
• Tuition payment, payment plans, refunds, general financial information		
• Ticket sales		
<b>Child Development Center</b>	<b>N1000</b>	<b>303.797.5678</b>
• High quality, flexible, convenient, moderately-priced childcare services for ACC students, staff and faculty on a space-available basis.		
<b>Disability Services</b>	<b>M2710</b>	<b>303.797.5937 v/tty</b>
• Academic accommodations and specialized consultation for students with documented disabilities. Computer adaptations for students with vision, learning, orthopedic, or other disabilities.		
<b>Financial Aid</b>	<b>M2115</b>	<b>303.797.5661</b>
• Apply online at <a href="http://www.FAFSA.ed.gov">www.FAFSA.ed.gov</a>		
<b>Information Central</b>	<b>M2800</b>	<b>303-797-4222</b>
• Registration, Add/Drop, Withdrawal, Schedules and general information		
• Name/address/personal information changes etc.		
<b>Library (Weber Center for Learning Resources)</b>	<b>M2500</b>	<b>303.797.5090</b>
• Private study rooms		
<b>Math Lab</b>	<b>M3610</b>	<b>303.797.5877</b>
• Students must register for MAT 101 Enhanced Mathematics Lab		
<b>Open Computer Lab</b>	<b>M1650</b>	<b>303.797.5907</b>
• FREE computer access for registered students with an ACC Student ID		
<b>Student Affairs</b>	<b>M2820</b>	<b>303.797.5668</b>
• Student Senate, student newspaper, student clubs and programming		
• Student Grievances and Discipline		
<b>Testing Center</b>	<b>M2280</b>	<b>303.797.5993</b>
• Computerized Placement Test (CPT)		
• GED testing, Instructor testing, CLEP/correspondence testing		
<b>Tutorial Services</b>	<b>M2710</b>	<b>303.797.5937 v/tty</b>
• FREE workshops and academic tutors to supplement and enrich course requirements for those that qualify		
<b>Writing Center</b>	<b>M2855</b>	<b>303.797.5830</b>
• FREE one-on-one tutoring sessions to help develop writing skills for any class		

**Location Abbreviations:**

- **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)

**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.

**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
<b>Sentence Skills</b>					
			25-49	See Developmental Studies Advisor	
			50-69	ENG060	3
			70-94	ENG090	3
		18/440	95-120	ENG 121	3
Note: You must have scores of 80 on reading and 95 on sentence skills to take ENG121					
<b>Reading</b>					
			25-39	See Developmental Studies Advisor	
			40-61	REA060	3
			62-79	REA090	3
		17/430	80-120	REA 112 (Optional)	3
<b>Mathematics</b>					
			Arithmetic 24-56	MAT030	2
			Arithmetic 57-120	MAT060	3
			Elem. Alg. 45-60	MAT090, MAT 108	4
			Elem. Alg. 61-84	MAT106/111	5
			19/460 85-120	MAT 120,121,123,135,155	4
<b>Study Skills/Orientation</b>					
			Academic Achievement Strategies - REA 62-79	AAA090	3
			College Orientation - No score requirement	AAA101	1
			Advanced Academic Achievement - REA 80+	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 an exemption from testing.

**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. Consult your ACC Advisor about Colorado's 60+60 plans.

**SUGGESTIONS FOR SUCCESS**

1. Take your assessment test or be exempted (see above) before meeting with an academic advisor.
2. Take English 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 in the summer.
5. Transfer and financial aid students should consult an advisor before registering.

**You must apply for graduation at [www.arapahoe.edu](http://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](http://www.arapahoe.edu).