

The Computer Network Technology program prepares individuals for jobs in the computer networking field. Students in this program gain hands-on experience with computer hardware, software and networks. Upon successful completion of the program the student will have the needed background to prepare to take the exams for Network+, Microsoft MCSE, CWNA, Cisco CCNA and the National Association of Communications Systems Engineers (NACSE) NANS certification; these are the competency standards for network specialists in the computer industry.

Major Courses – 28 credit hours

	CIS 118 Introduction to PC Applications	3
	CIS 124 Introduction to Operating Systems	3
	CIS 202 Automated Project Management: MS Project	3
	CIS 287 Coop Education Career Training	3
	CNG 121 Computer Technician I: A+	4
	CNG 124 Networking I: Network A+	3
	CNG 125 Networking II: Network A+	3
	CNG 131 Network Security Fundamentals	3
	CNG 224 Microsoft Windows Wireless Network	3

General Education Courses – 13 credit hours

	ENG 131 Technical Writing I	3
	MAN 230 Corporate Responsibility	3
	MAT 121 College Algebra	4
	SPE 125 Interpersonal Communication	3

Electives - 0-15 credit hours*

	CIS, CNG, CWB, CSC	0-15
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*Students will select electives depending on program emphasis. Students should see faculty advisor for information at: cisadvising@arapahoe.edu

Computer Network Technology Tracks:

Choose one of the following tracks:

MCSA Windows server 2003 - 14 credit hours

	CNG 211 Windows XP Configuration	3
	CNG 212 Manage a MS Windows Server Environment	4
	CNG 213 Implement MS Windows Server Environment	4
	CNG 226 Implementing and Managing MS Exchange	3

MCSE Windows Server 2003 – 21-26 credit hours

	CNG 211 Windows XP Configuration	3
	CNG 212 Manage a MS Windows Server Environment	4
	CNG 213 Implement MS Windows Server Environment	4
	Elective classes – choose four of the following:	
	CNG 215 Managing a Microsoft Windows Network Environment	3
	CNG 221 Design MS Windows Active Directory and Network Infrastructure	3
	CNG 214 Plan a MS Windows Server Network Windows Infrastructure	4
	CNG 216 Plan a MS Windows Server Active Directory Infrastructure	3
	CNG 227 Administering a Microsoft SQL Server Database	3

	CIS 253 Programming a Microsoft SQL Server 2000 Database	3
	CIS 252 Querying a Microsoft SQL Server 2000 with Transact-SQL	3
	CNG 239 Deploying and Managing Microsoft Internet Security and Acceleration Server 2000	3
	CNG 226 Implementing and Managing MS Exchange	4
	CNG 222 Designing a Windows 2000 Network Infrastructure	3
	CNG 223 Designing a MS Windows 2000 Network Infrastructure	3

CISCO Network Administrator (CCNA) – 6 credit hours

	CNG 230 Fast Track CCNA I and II	3
	CNG 230 Fast Track CCNA III and IV	3

CISCO Network Administrator (CCNA) – 20 credit hours

	CNG 260 CISCO Network Associate I	5
	CNG 261 CISCO Network Associate II	5
	CNG 262 CISCO Network Associate III	5
	CNG 263 CISCO Network Associate IV	5

CISCO Certified Network Professional (CCNP) – 20 credit hours

	CNG 265 CISCO Network Professional I	5
	CNG 266 CISCO Network Professional II	5
	CNG 267 CISCO Network Professional III	5
	CNG 268 CISCO Network Professional IV	5

UNIX Network Administration – 19 credit hours

	CIS 220 Fundamentals of UNIX (Linux)	3
	CIS 221 Advanced UNIX (Linux)	3
	CIS 222 UNIX System Administration	3
	CIS 232 UNIX Shell Programming	3
	CSC 269 Programming in PERL	3
	CSC 160 Computer Science I (Language)	4

Computer and Networking Security – 21 credit hours

	CIS 220 Fundamentals of UNIX (Linux)	3
	CIS 221 Advanced UNIX (Linux)	3
	CNG 253 Firewalls and How They Work	3
	CNG 136 Guide to Disaster Recovery	3
	CNG 225 Wireless Network Security	3
	CNG 257 Network Defense and Counter Measures	3
	CNG 258 Computer Forensics	3

_____ **Total Required – 62-67 credits**



IMPORTANT TELEPHONE NUMBERS:

STUDENT SERVICES

Admission and Records	M2470	303.797.5621
• Graduation coordination, residency petitions, general information		
Advising and Counseling Center	M 2010	303.797.5664
• Educational planning, transfer advising, academic success counseling		
Bookstore	M1200	303.797.5676
• Order books online at www.efollett.com		
Campus Police	M2600	303.797.5800
• 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
• Career planning seminars, career resource library		
• Employment services, job fairs		
Cashier	M2300	303-797-5638
• Tuition payment, payment plans, refunds, general financial information		
• Ticket sales		
Child Development Center	N1000	303.797.5678
• 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
• 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
• Apply online at www.FAFSA.ed.gov		
Information Central	M2800	303-797-4222
• Registration, Add/Drop, Withdrawal, Schedules and general information		
• Name/address/personal information changes etc.		
Library (Weber Center for Learning Resources)	M2500	303.797.5090
• Private study rooms		
Math Lab	M3610	303.797.5877
• Students must register for MAT 101 Enhanced Mathematics Lab		
Open Computer Lab	M1650	303.797.5907
• FREE computer access for registered students with an ACC Student ID		
Student Affairs	M2820	303.797.5668
• Student Senate, student newspaper, student clubs and programming		
• Student Grievances and Discipline		
Testing Center	M2280	303.797.5993
• Computerized Placement Test (CPT)		
• GED testing, Instructor testing, CLEP/correspondence testing		
Tutorial Services	M2710	303.797.5937 v/tty
• FREE workshops and academic tutors to supplement and enrich course requirements for those that qualify		
Writing Center	M2855	303.797.5830
• 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
Sentence Skills					
			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					
Reading					
			25-39	See Developmental Studies Advisor	
			40-61	REA060	3
			62-79	REA090	3
		17/430	80-120	REA 112 (Optional)	3
Mathematics					
			24-56	MAT030	2
			57-120	MAT060	3
			45-60	MAT090, MAT 108	4
			61-84	MAT106/111	5
		19/460	85-120	MAT 120,121,123,135,155	4
Study Skills/Orientation					
			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 (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.

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