

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+, Security +, Microsoft MCSA/MCSE, CWNA, CWSP, 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 Cooperative Education Career Training	3
	CNG 121 Computer Technician I: A+	4
	CNG 124 Networking I: Network +	3
	CNG 125 Networking II: Network +	3
	CNG 224 Microsoft Windows Wireless Network	3
	CTC 131 Network Security Fundamentals	3

General Education Courses – 13 credit hours

	MAT 121 College Algebra (or higher)	4
	SPE 115 Public Speaking OR	
	SPE 125 Interpersonal Communication	3
	ENG 121 English Composition I OR	
	ENG 131 Technical Writing I	3
	MAN 230 Corporate Responsibility	3

Electives - 0-15 credit hours

Selection depends on program emphasis - see Advisor for information

	CIS, CNG, CWB, CSC	15
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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 Implementing a MS Windows Network Infrastructure	4
	CNG 226 Implementing and Managing MS Exchange	3

MCSE Windows Server 2003 – 24 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 215 Managing a Microsoft Windows Network Environment	3
	CNG 216 Plan a MS Windows Server Active Directory Infrastructure	4
	CNG 222 Designing a Windows Secure Network	3
	CNG 226 Implementing and Managing MS Exchange	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

UNIX Network Administration – 15 credit hours

	CIS 220 Fundamentals of UNIX (Linux)	3
	CIS 232 UNIX Shell Programming (Linux)	3
	CIS 222 UNIX System Administration	3
	CSC 269 Programming in PERL	2
	CSC 160 Computer Science I (Language)	4

Computer and Networking Security – 21 credit hours

	CIS 220 Fundamentals of UNIX (Linux)	3
	CIS 232 UNIX Shell Programming (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	4

Total Required – 62-69 credits

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