

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 one or more of the following exams: Network+; Security+; MCTS (Microsoft Certified Technology Specialist); Security +; or CISCO CCNA.

62 Credits

	Pre or Co Course Availability				
Required Courses	Credits	Reqs Rqd	Fall	Spr	Sum
General Education Courses					
 BUS 217 - Business Communication & Report Writing 	3		✓	✓	✓
CIS 118 - Intro to PC Applications	3	✓	✓	✓	✓
COM 115 - Public Speaking* OR COM 125 - Interpersonal Communication	3		✓	✓	✓
 ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1* 	3		✓	✓	✓
 MAT 121 - College Algebra: GT-MA1* 	4		✓	✓	✓
Major Courses					
CIS 202 - Automated Project Management: MS Project	3		✓	✓	
CIS 287 - Cooperative Education	3		✓	✓	✓
CNG 121 - Computer Technician I: A+	4		✓	✓	✓
CNG 124 - Networking I: Network +	3		✓	✓	✓
CNG 125 - Networking II: Network +	3	✓	✓	✓	
CNG 132 - Network Security Fundamentals	3	✓	✓	✓	
CNG 212 - Configuring Windows Server	4	✓	✓	✓	
CNG 224 - Microsoft Windows Wireless Network	3		✓	✓	
Concentration Courses					
Any Course with CNG, CSC, CWB Prefix	3		✓	✓	✓
Any Course with CNG, CSC, CWB Prefix	3		✓	✓	✓
Any Course with CNG, CSC, CWB Prefix	3		✓	✓	✓
Any Course with CNG, CSC, CWB Prefix	3		✓	✓	✓
Any Course with CNG, CSC, CWB Prefix	3		✓	✓	✓
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62 Credits

Catalog Year: 2019/2020

Pre-Requisities, Co-Requisites, and Recommendations (grade C or better required)

Where requirements are listed as course categories (e.g. Electives, Arts/Humanities) rather than as specific courses, please note that depending upon course choice, pre-requisites may be required.

CIS 118 - Intro to PC Applications

• Requirement: Students must have Windows file management skills to create file folders, rename files, delete files, copy and move files

CNG 125 - Networking II: Network +

- Pre-Requisite: CNG 124 Networking I: Network +
- CNG 132 Network Security Fundamentals
 - Pre-Requisite: CNG 124 Networking I: Network +
- CNG 212 Configuring Windows Server
 - Recommended: CNG 211 Windows Configuration: (OS) or instructor's permission
- CNG 224 Microsoft Windows Wireless Network
 - Pre-Requisite: CNG 124 Networking I: Network +

Program Outcomes

- Understand networking principles.
- Apply hardware concepts.
- Apply Windows server concepts.
- Use project management software.

Notes

- *This course requires college level readiness as measured by Accuplacer, ACT, or SAT scores; approved high school course work that is less than five years old; or successful completion of appropriate college-readiness course.
- AAA 101 College 101: Student Experience is required for all new college students seeking degrees or transfer.
- Course availability is subject to change.
- Recommended courses may be listed above for certain electives; consult with the Academic Advising Office (advising@arapahoe.edu or 303.797.5664) or the Computer Networking Faculty (mark.snyder@arapahoe.edu or nina.amey@arapahoe.edu) for additional elective recommendations.
- Refer to 19/20 catalog for specific requirements and important information about this degree.

Graduation Requirements

• To graduate, students must apply for graduation (form available at www.arapahoe.edu/departments-and-programs/graduation) by the deadline and meet all degree requirements.



62 Credits

RECOMMENDED COURSE SEQUENCE FULL-TIME TRACK

Year 1: Fall	Credits	Course
	3	CIS 118 - Intro to PC Applications
	3	CIS 202 - Automated Project Management: MS Project
	3	CNG 124 - Networking I: Network +
	3	ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1
	4	MAT 121 - College Algebra: GT-MA1
Year 1: Spring	Credits	Course
	4	CNG 121 - Computer Technician I: A+
	3	CNG 125 - Networking II: Network +
	3	CNG 132 - Network Security Fundamentals
	3	CNG 224 - Microsoft Windows Wireless Network
Year 2: Fall	Credits	Course
	3	BUS 217 - Business Communication & Report Writing
	4	CNG 212 - Configuring Windows Server
	3	Concentration Course: CNG, CSC, CWB Prefix
	3	Concentration Course: CNG, CSC, CWB Prefix
	3	Concentration Course: CNG, CSC, CWB Prefix
Year 2: Spring	Credits	Course
	3	CIS 287 - Cooperative Education
	3	COM 115 - Public Speaking OR COM 125 - Interpersonal Communication
	3	Concentration Course: CNG, CSC, CWB Prefix
	3	Concentration Course: CNG, CSC, CWB Prefix
	3	Concentration Course: CNG, CSC, CWB Prefix



62 Credits

Catalog Year: 2019/2020

RECOMMENDED COURSE SEQUENCE PART-TIME TRACK

Year 1: Fall	Credits	Course
	4	CNG 121 - Computer Technician I: A+
	3	CNG 124 - Networking I: Network +
	3	ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1
Year 1: Spring	Credits	Course
	3	CNG 125 - Networking II: Network +
	3	CNG 132 - Network Security Fundamentals
	3	Concentration Course: CNG, CSC, CWB Prefix
Year 1: Summer	Credits	Course
	3	CIS 118 - Intro to PC Applications
	3	COM 115 - Public Speaking OR COM 125 - Interpersonal Communication
Year 2: Fall	Credits	Course
	4	CNG 212 - Configuring Windows Server
	3	Concentration Course: CNG, CSC, CWB Prefix
	4	MAT 121 - College Algebra: GT-MA1
Year 2: Spring	Credits	Course
	3	CNG 224 - Microsoft Windows Wireless Network
	3	Concentration Course: CNG, CSC, CWB Prefix
	3	Concentration Course: CNG, CSC, CWB Prefix
Year 2: Summer	Credits	Course
	3	BUS 217 - Business Communication & Report Writing
	3	CIS 202 - Automated Project Management: MS Project
Year 3: Fall	Credits	Course
	3	CIS 287 - Cooperative Education
	3	Concentration Course: CNG, CSC, CWB Prefix
	3	Concentration Course: CNG, CSC, CWB Prefix