

This certificate is specifically designed to prepare students as entry-level networking professionals. Students are encouraged to take the associated industry certification exams.

Required Courses	Credits	Pre or Co Reqs Rqd	Course Availability		
			Fall	Spr	Sum
General Courses (9 Credits)					
• CNG 124 - Networking I: Network + (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• CNG 125 - Networking II: Network + (3 Cr.)	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CNG 142 - Introduction to Cloud Computing Concepts (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electives (9 Credits)					
• CIS 118 - Intro to PC Applications (3 Cr.)	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• CIS 220 - Fundamentals of Unix (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CIS 232 - Unix Shell Programming (3 Cr.)	3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CNG 120 - A+ Certification Preparation (4 Cr.)	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CNG 121 - Computer Technician I: A+ (4 Cr.)	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• CNG 122 - Computer Technician II: A+ (4 Cr.)	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CNG 132 - Network Security Fundamentals (3 Cr.)	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CNG 211 - Windows Configuration: (OS) (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CNG 212 - Configuring Windows Server (4 Cr.)	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CNG 213 - Administering Windows Server (4 Cr.)	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• CNG 224 - Microsoft Windows Wireless Network (3 Cr.)	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CNG 253 - Firewalls and How They Work (3 Cr.)	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CNG 260 - CISCO Network Associate I (5 Cr.)	5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• CNG 261 - CISCO Network Associate II (5 Cr.)	5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• CNG 262 - CISCO Network Associate III (5 Cr.)	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CSC 126 - Game Design and Development (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pre-Requisites, 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 (3 Cr.)

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

CNG 120 - A+ Certification Preparation (4 Cr.)

- Pre-Requisite/Corequisite: CNG 122 - Computer Technician II: A+

CNG 122 - Computer Technician II: A+ (4 Cr.)

- Pre-Requisite: CNG 121 - Computer Technician I: A+

CNG 125 - Networking II: Network + (3 Cr.)

- Pre-Requisite: CNG 124 - Networking I: Network +

CNG 132 - Network Security Fundamentals (3 Cr.)

- Co-Requisite: CNG 124 - Networking I: Network +

CNG 213 - Administering Windows Server (4 Cr.)

- Pre-Requisite: CNG 212 - Configuring Windows Server

CNG 224 - Microsoft Windows Wireless Network (3 Cr.)

- Pre-Requisite: CNG 124 - Networking I: Network +

CNG 253 - Firewalls and How They Work (3 Cr.)

- Pre-Requisite: CNG 132 - Network Security Fundamentals

CNG 261 - CISCO Network Associate II (5 Cr.)

- Pre-Requisite/Co-Requisite: CNG 260 - CISCO Network Associate I (5 Cr.)

CNG 262 - CISCO Network Associate III (5 Cr.)

- Pre-Requisite: CNG 261 - CISCO Network Associate II

Notes

- 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) for additional elective recommendations.
- Refer to 21/22 catalog for specific requirements and important information about this certificate.

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.

RECOMMENDED COURSE SEQUENCE FULL-TIME TRACK

Year 1: Fall	Credits	Course
	3	CNG 124 - Networking I: Network + (3 Cr.)
	3	CNG 132 - Network Security Fundamentals (3 Cr.)
	3	CNG 211 - Windows Configuration: (OS) (3 Cr.)
	3	CNG 253 - Firewalls and How They Work (3 Cr.)
Year 1: Spring	Credits	Course
	4	CNG 120 - A+ Certification Preparation (4 Cr.)
	3	CNG 125 - Networking II: Network + (3 Cr.)



18 Credits

RECOMMENDED COURSE SEQUENCE PART-TIME TRACK

Year 1: Fall	Credits	Course
	5	CNG 260 - CISCO Network Associate I (5 Cr.)
	5	CNG 261 - CISCO Network Associate II (5 Cr.)
Year 1: Spring	Credits	Course
	5	CNG 262 - CISCO Network Associate III (5 Cr.)