ACC — Technology Pathway

18 Credits

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	☐	☑	☑	☑
• CNG 125 - Networking II: Network +	3	☑	☑	☑	☐
• CNG 142 - Introduction to Cloud Computing Concepts	3	☐	☑	☑	☐
Electives (9 Credits)					
• CIS 118 - Intro to PC Applications	3	☑	☑	☑	☑
• CIS 220 - Fundamentals of Unix	3	☐	☑	☑	☑
• CIS 232 - Unix Shell Programming	3	☐	☐	☑	☐
• CNG 120 - A+ Certification Preparation	4	☑	☑	☑	☐
• CNG 121 - Computer Technician I: A+	4	☐	☑	☑	☑
• CNG 122 - Computer Technician II: A+	3	☑	☑	☑	☐
• CNG 132 - Network Security Fundamentals	3	☑	☑	☑	☐
• CNG 211 - Windows Configuration: (OS)	3	☐	☑	☑	☐
• CNG 212 - Configuring Windows Server	4	☑	☑	☑	☐
• CNG 213 - Administering Windows Server	4	☑	☑	☐	☐
• CNG 224 - Microsoft Windows Wireless Network	3	☑	☑	☑	☐
• CNG 253 - Firewalls and How They Work	3	☑	☑	☑	☐
• 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	☑	☐	☑	☑
• CSC 126 - Game Design and Development	3	☐	☑	☑	☐

Certificate

Computer Network Technology

18 Credits

Catalog Year: 2020/2021

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

CNG 122 - Computer Technician II: A+
- Pre-Requisite: CNG 121 - Computer Technician I: A+

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 213 - Administering Windows Server
- Pre-Requisite: CNG 211 - Windows Configuration: (OS) OR CNG 212 - Configuring Windows Server

CNG 224 - Microsoft Windows Wireless Network
- Pre-Requisite: CNG 124 - Networking I: Network +

CNG 253 - Firewalls and How They Work
- Pre-Requisite: CNG 132 - Network Security Fundamentals

CNG 260 - CISCO Network Associate I
- Co-Requisite: CNG 261 - CISCO Network Associate II
- Pre-Requisite: CNG 124 - Networking I: Network +

CNG 261 - CISCO Network Associate II
- Pre-Requisite: CNG 260 - CISCO Network Associate I

CNG 262 - CISCO Network Associate III
- Pre-Requisite: CNG 261 - CISCO Network Associate II

CNG 263 - CISCO Network Associate IV
- Pre-Requisite: CNG 262 - CISCO Network Associate III

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 20/21 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 PART-TIME TRACK

Year 1: Fall	Credits	Course
	3	CNG 124 - Networking I: Network +
	3	CNG 142 - Introduction to Cloud Computing Concepts
	3	Elective
Year 1: Spring	**Credits**	**Course**
	3	CNG 125 - Networking II: Network +
	3	Elective
	3	Elective