



## Computer Information Technology

### Network Specialist AAS Degree

This area of emphasis provides both hardware and operating systems experience needed to work as a support person for both local and wide area networks. This area of emphasis prepares you for entry-level positions in the computer networking field. Students in this program gain hands-on experience with network technologies, installation and configuration, media and topologies, management, and security. Upon successful completion of the program, you will have the needed background to prepare to take one or more of the following exams: Network+, Security+, MCITP (Microsoft Certified Information Technology Professional), MCTS (Microsoft Certified Technology Specialist), or CISCO (CCNA).

Use this guide when planning your progress toward completion of the below requirements. In addition, students should meet with a faculty advisor for their area of emphasis each semester and take one to two CIS AAS degree requirements. Course semester offerings are subject to change.

Faculty Advisor(s):

Joe Murdock | 303-914-6249 | joseph.murdock@rrcc.edu

Required Courses		Credits	Plan	Semesters Offered
CIS 220	Fundamentals of UNIX	3	Semester 1	Fall, Spring, Summer
CNG 124	Networking I: Net+	3	Semester 2	Fall, Spring
CNG 125	Networking II: Net+	3	Semester 2	Fall, Spring
CNG 131	Principles of Information Assurance	3	Semester 3	Fall, Spring
CNG 132	Network Security Fundamentals	3	Semester 3	Fall, Spring
CNG 211	Windows Configuration: Win OS	3	Semester 1	Fall, Spring
<b>Choose 15 credit hours from the following:</b>		<b>15</b>		
CIS 222	UNIX System Administration (3)		Semester 2	Fall
CNG 121	Computer Technician I: A+ (4)		Semester 1	Fall, Spring
CNG 122	Computer Technician II: A+ (4)		Semester 1	Fall, Spring
CNG 133	Firewalls/Network Security (3)		Semester 3	Fall, Spring
CNG 136	Guide to IT Disaster Recovery (3)		Semester 3	Fall, Spring
CNG 212	Manage a MS Windows Server Environment		Semester 4	Fall, Spring
CNG 213	Administering Windows Server (4)		Semester 4	Fall, Spring
CNG 214	Advanced Windows Server Administration (4)		Semester 4	Fall, Spring
CNG 257	Network Defense and Counter Measures (3)		Semester 4	Spring
CNG 260	CISCO Network Associate I (5)		Semester 3	Fall
CNG 261	CISCO Network Associate II (5)		Semester 3	Fall
CNG 262	CISCO Network Associate III (5)		Semester 4	Spring
CNG 263	CISCO Network Associate IV (5)		Semester 4	Spring
CNG 280	Internship (3)		Semester 4	Fall, Spring, Summer
<b>Network Specialist AAS Degree Sub Total:</b>		<b>33</b>		
<b>Computer Information Systems AAS Degree Requirements:</b>		<b>28 - 29</b>		
<b>Total Credits:</b>		<b>61 - 62</b>		

Enroll online at [www.rrcc.edu](http://www.rrcc.edu). For a complete listing of CIS programs, please visit [www.rrcc.edu/cis](http://www.rrcc.edu/cis) or call 303-914-6430 for more information.

Red Rocks Community College is committed to diversity in its people and programs. The College is an equal opportunity educational institution and does not discriminate on the basis of disability, race, creed, color, gender, sexual orientation, gender expression, religion, age, national origin, or ancestry, or any other category protected by applicable law.

The College has designated the Human Resources Director as its Equal Opportunity Employment Officer and Title IX Administrator with the responsibility to coordinate its civil rights compliance activities and grievance procedures. Report all concerns or complaints relating to discrimination or harassment to the Title IX/EO Coordinator(s): Bill Dial, Director of Human Resources/Title IX Administrator, 13300 West Sixth Avenue, Lakewood, CO 80228. 303.914.6298. bill.dial@rrcc.edu