Red Rocks Community College

COLORADO COMMUNITY COLLEGE SYSTEM

Secondary to Postsecondary Pathway for
Network Systems

Suggested High School Courses				
High School	9th	**Core Academic Courses*:**	English 9, American Government or Geography, Earth Science, Algebra 1 or Algebra Principles, Physical Education	**Suggested Electives:** Introduction to Business
		Career Path Courses:	Computer Science, Web Communications/Designs 1	
	10th	**Core Academic Courses*:**	English 10, American History, Biology, Geometry or Geometry Principles	**Suggested Electives:** Business Law
		Career Path Courses:	Web Communications/Designs II, Web Management	
	11th	**Core Academic Courses*:**	English 11, Algebra 2 or Algebra 2 for Process Science, World History	**Suggested Electives:** Marketing
		Career Path Courses:	Introduction Computer Programming, Intermediate Computer Programming	
	12th	**Core Academic Courses*:**	English 12, Government/Economics	**Suggested Electives:** Accounting
		Career Path Courses:	Advanced Computer Programming, AP Computer Programming, Computer Networking	
Secondary to Postsecondary Linkages & Certifications				

Postsecondary Credit Options:
CSC 119 Intro to Programming; CIS 240 Database Design and Development; CIS 251 Intro to Structured Query Language; CNG 101 Intro to Networking; CNG 121 Computer Tech I: A+; CNG 122 Computer Tech II A+

Red Rocks Community College Department of High School Relations: For more information on postsecondary course options for high school students and for admission to RRCC, please contact, Ernie Navarette at 303-914-6320 or ernie.navarette@rrcc.edu.

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Arts, A/V Technology & Communications	**Pathway: Information Technology**	*Plan of Study: Network Systems*

Career Goal (O*Net Code):

15-1142.00 Network and Computer Systems Administrators

15-1152.00 Computer Network Support Specialists

15-1143.00 Computer Network Architects

15-1122.00 Information Security Analysts

Relevant Occupational Experience

(Your Life Experiences may be worth College Credit!):

CCCCS Credit for Prior Learning Guide

Contact Christie Burton (christie.burton@rrcc.edu) for inquiries concerning earning college credit for life experience in network systems.

LMI Gateway Link to Related Occupations

Possible Pathways to your Career!

	Programs Available	Program Length (*Based on meeting Program Entrance Requirements*)	Estimated Tuition	Career Options	Salary Range
Certificate Option(s)	Computer Network Specialist Computer Security Specialist Computer Support Technician	All certificates are 35 credits in length (3 semesters)	$4523	Entry positions: Computer Support Tech, Network Administrator, Information Technology Specialist (IT Specialist), Local Area Network Administrator (LAN Administrator), , Network Specialist , Data Security Administrator, Information Security Analyst, Computer Security Specialist	$ - $$
Associate Degree(s)	Computer Network Specialist Computer Security Specialist Computer Support Technician	All degrees are 63-64 credits in length (4 sem)	$7900	Computer Support Tech, Network Administrator, Information Technology Specialist (IT Specialist), Local Area Network Administrator (LAN Administrator), , Network Specialist , Data Security Administrator, Information Security Analyst, Computer Security Specialist	$ - $$$
Articulation Opportunities to Advanced Degrees:					

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Advanced Degree(	Bachelor's Degrees: Regis: Computer Networking CU Boulder: Management & Entrepreneurship—Info Tech UCD: Business Administration--CIS Metro State: Computer Information Systems UNC: Business Administration—CIS CSU: Computer Technology	Associates Degree + 60 Credits	Regis, UNC, Metro State University; UCD, UC Boulder, CSU	Systems Administrator, Network Administrator, Network Engineer, Information Technology Specialist (IT Specialist), Local Area Network Administrator (LAN Administrator), Information Technology Manager (IT Manager), Information Technology Director (IT Director), Systems Engineer, Network Specialist, Data Security Administrator, Information Security Analyst, Computer Security Specialist	**$ - $$$**
	Graduate Degree:	Bachelor's Degree + 30 or more credits	CU Boulder CSU CU Denver	Systems Administrator, Network Administrator, Network Engineer, Information Technology Specialist (IT Specialist), Local Area Network Administrator (LAN Administrator), Information Technology Manager (IT Manager), Information Technology Director (IT Director), Systems Engineer, Network Specialist, Data Security Administrator, Information Security Analyst, Computer Security Specialist	**$-$$$$**
	College Tuition Comparison Guide				

* $ = $15-25,000; $$ = $25-55,000; $$$ = $55-90,000; $$$$ = Above $90,000

Extended Learning Experiences

Support Structures:
 Childcare facilities, Counseling Services, Tutoring Services, Academic Advising and Career Counseling
http://www.rrcc.edu/advising/

Financial Aid:
Federal Student Loans, Pell Grant, RRCC Foundation Grant

http://www.rrcc.edu/finaid/

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| **Professional Affiliations** |
| Cisco, A+, Net +, MCAD, MCDBA, NCWIT |
| **Practical Learning Experiences:**
Paid and Un-paid job shadowing and internships |

Red Rocks Community College is accredited by the Higher Learning Commission and a member of the North Central Association of Colleges and Schools.

Red Rocks Community College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to_: : Bill Dial, Director of HR, Red Rocks Community College, 13300 W. 6th Ave., Lakewood, CO 80228_

*** This document is a guide only. It does not act as a legally binding contract.

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