



## Program of Study: Networking Systems Administration Specialist

Career Pathway: Computer Science

Secondary Partner:

Program Name:

CIP:

Program ID:

Post-secondary Partner: Trinidad State College

Program Name: Networking Systems Administration Specialist

CIP:

Program ID:

<b>Secondary Program Description:</b> A program that focuses on the design, implementation, and management of linked systems of computers, peripherals, and associated software to maximize efficiency and productivity, and that prepares individuals to function as network specialists and managers at various levels. Includes instruction in operating systems and applications; systems design and analysis; networking theory and solutions; types of networks; network management and control; network and flow optimization; security; configuring; and troubleshooting.			
Career and Technical Courses	Possibilities of careers, and demand relating to this Pathway		
State Graduation Requirements: <a href="http://www.cde.state.co.us/postsecondary/graduationguidelines">www.cde.state.co.us/postsecondary/graduationguidelines</a>			
High School/Secondary	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>CNG 1032 Network Security Fundamentals CE</li> <li>CNG 1036 Guide to IT Disaster Assessment I CE</li> <li>CNG 2056 Vulnerability Assessment I CE</li> <li>CNG 2057 Network Defense/Countermeasures CE</li> <li>CNG 2058 Digital Forensics CE</li> <li>CNG 2059 Enterprise Security CE</li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Possibilities of Careers:</b>            11-3021.00: Computer and Information Systems Managers 15-1211.00: Computer Systems Analysts 15-1211.01: Health Informatics Specialists 15-1212.00: Information Security Analysts 15-1231.00: Computer Network Support Specialists</p> <p><b>Employment Demand and Wage Data:</b>            In Colorado workers on average earn \$107,780. 10% of workers earn \$58,500 or less. 10% of workers earn \$157,680 or more. In the United States: Workers on average earn \$99,890. 10% of workers earn \$53,010 or less. 10% of workers earn \$153,870.</p> </td> </tr> </table>	<ul style="list-style-type: none"> <li>CNG 1032 Network Security Fundamentals CE</li> <li>CNG 1036 Guide to IT Disaster Assessment I CE</li> <li>CNG 2056 Vulnerability Assessment I CE</li> <li>CNG 2057 Network Defense/Countermeasures CE</li> <li>CNG 2058 Digital Forensics CE</li> <li>CNG 2059 Enterprise Security CE</li> </ul>	<p><b>Possibilities of Careers:</b>            11-3021.00: Computer and Information Systems Managers 15-1211.00: Computer Systems Analysts 15-1211.01: Health Informatics Specialists 15-1212.00: Information Security Analysts 15-1231.00: Computer Network Support Specialists</p> <p><b>Employment Demand and Wage Data:</b>            In Colorado workers on average earn \$107,780. 10% of workers earn \$58,500 or less. 10% of workers earn \$157,680 or more. In the United States: Workers on average earn \$99,890. 10% of workers earn \$53,010 or less. 10% of workers earn \$153,870.</p>
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<b>Related Industry Certifications/Credential(s) offered through program:</b>	<b>Work-based Learning offered through program:</b>  Career Research Cooperative Education Job Shadowing		
<b>Advanced Credit Options Key:</b> Notate above which course has an articulation agreement or concurrent enrollment. <b>AA</b> – Course is approved for Articulation Agreement <b>CE</b> – Course is offered as Concurrent Enrollment	<b>CTSO organization(s):</b>  <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> FFA <input type="checkbox"/> CCSA <input type="checkbox"/> HOSA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA <input type="checkbox"/> SC <sup>2</sup>		

