



## Program of Study: Networking Cloud Administration Certificate

Career Pathway: Computer Science

Secondary Partner:

Post-secondary Partner: Trinidad State College

Program Name:

Program Name: Networking Cloud Administration Certificate

CIP:

CIP: 11.0901

Program ID:

Program ID: CER\_4CA

<p><b>Secondary Program Description:</b>          A program that focuses on the design, implementation, and management of cloud computer systems, peripherals, and associated software to maximize efficiency and productivity, and that prepares individuals to function as cloud network specialists and managers at various levels. Includes instruction in virtualization, applications; systems design and analysis; networking theory and solutions; types of networks; network management and control; network and flow optimization; security; configuring; and troubleshooting.</p>	
<p>Career and Technical Courses</p>	<p>Possibilities of careers, and demand relating to this Pathway</p>
<p>State Graduation Requirements: <a href="http://www.cde.state.co.us/postsecondary/graduationguidelines">www.cde.state.co.us/postsecondary/graduationguidelines</a></p>	
<p>High School/Secondary</p>	<ul style="list-style-type: none"> <li>• CNG 1042 Intro to Cloud Computing CE</li> <li>• CNG 2040 Virtual Environment Administrator CE</li> <li>• CNG 1001 Networking Fundamentals (network +) – CNCC CE</li> <li>• CNG 1032 Network Security Fundamentals (security +) - CNCC CE</li> <li>• CNG 2042 Cloud Computing CE</li> <li>• CNG 2075 Special Topics: (AWS/Azure/Google) 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>	
<p><b>Related Industry Certifications/Credential(s) offered through program:</b></p> <p>CompTIA Network +</p>	
<p><b>Work-based Learning offered through program:</b></p> <p>Career Research          Cooperative Education          Job Shadowing</p>	

