





Program of Study: Computer Information Systems Cybersecurity Certificate

| Career Pathway: Computer Science | | | | |
|--|---|---|--|--|
| Secondary Partner: | | CIP: | Program ID: | |
| Post-secondary Partner: Trinidad State College | Systems Cybersecurity Certificate | CIP: 11.1003 | Program ID: CER_1CYS | |
| maintenance of security devices, systems, and procedu | recommend safeguard solutions, and manage the implementation, auditing, and cure, programming, and systems analysis; networking; telecommunications; cryptography; sis; contingency planning; user access issues; investigation techniques; and troubleshooting. Possibilities of careers, and demand relating to this Pathway | | | |
| CNG 1032 Network Security Fundamenta CNG 1036 Guide to IT Disaster Recovery 0 CNG 2058 Digital Forensics CE CNG 2056 Vulnerability Assessment Level CNG 2057 Network Defense and Counter CNG 2059 Enterprise Security CE | ls CE CE I CE | Possibilities of Careers: Information Security Analysts, Network Information Security Engineers, Penetr Employment Demand and Wage Data: Employment of information security an 2032 much faster than the average for Springs, CO which is lower than the US annually or \$53.85 hourly. Workers on workers earn \$63,130 or less. 10% of w network and computer systems admini- to 2032, about as fast as the average for computer systems administrators is pro about as fast as the average for all occu- computer systems administrators are p Many of those openings are expected t transfer to different occupations or exi- salary in Colorado Springs, CO which is wages are \$90,520 annually or \$43.52 I earn \$99,620. 10% of workers earn \$62 more. | ation Testers alysts is projected to all occupations. Annu Average where US M average in Colorado rorkers earn \$167,220 strators is projected or all occupations. Em ojected to grow 2 per upations. About 19,80 projected each year, co to result from the need t the labor force, such higher than the US A hourly: In Colorado S | e grow 32 percent from 2022 to ual wage or salary in Colorado ledian wages are \$112,000 Springs earn \$106,000. 10% of 0 or more. Employment of to grow 2 percent from 2022 uployment of network and cent from 2022 to 2032, 20 openings for network and on average, over the decade. ed to replace workers who h as to retire. Annual wage or verage where US Median prings: Workers on average |
| Related Industry Certifications/Credential(s) offered th | Related Industry Certifications/Credential(s) offered through program: | | program: | |
| | | Career Research Cooperative Education Job Shadowing | | |

| Advanced Credit Options Key: | CTSO organization(s): |
|---|---|
| Notate above which course has an articulation agreement or concurrent enrollment. | |
| AA – Course is approved for Articulation Agreement | 🗆 DECA 🛛 FBLA 🔲 FCCLA 🗌 FFA 🗌 CCSA 🗌 HOSA 🗌 SkillsUSA |
| CE – Course is offered as Concurrent Enrollment | \Box TSA \Box SC ² |
| | |

| | POSTSECONDARY CREDENTIALS | | | | | |
|---------------|---|--|--|--|--|--|
| | Certificate(s) offered through program: | Associate Degree(s) offered through program: | Bachelor's Degree(s) program aligns to: | Advanced Degree(s) program aligns to: | | |
| | Computer Information Systems Cybersecurity Certificate | Computer Information Systems AAS Computer Science AAS | Computer Information Systems BS Computer Science BS | Computer Information Systems MS, PhD Computer Science MS, PhD | | |
| Postsecondary | Postsecondary Program Description: A program that prepares individuals to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation, auditing, and maintenance of security devices, systems, and procedures. Includes instruction in computer architecture, programming, and systems analysis; networking; telecommunications; cryptography; security system auditing and design; applicable law and regulations; risk assessment and policy analysis; contingency planning; user access issues; investigation techniques; and troubleshooting. Program Requirements for Entry: http://www.trinidadstate.edu/admissions | | | | | |
| | | СТ | CTE Courses | | | |
| | | CNG 1032 Network Security Fundamentals CNG 1036 Guide to IT Disaster Recovery | | evel I ter Measures | | |

District/College Review

| Secondary Partner Print Name: | Title: | Signature: | Date: |
|--------------------------------------|--------|------------|-------|
| Postsecondary Partner Print Name: | Title: | Signature: | Date: |