

# CYBER SECURITY, MINOR

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## Student Learning Outcomes

At the conclusion of the minor in cybersecurity program, students will demonstrate:

1. The ability to analyze, integrate and synthesize information and cyber security concepts.
2. The ability to understand and utilize information. data into methodologies and frameworks to identify cyber security threats and exploits for analysis and resolution.
3. The ability to understand appropriate application of cyber security defense (CD) tools, CD techniques, hardware/ software and I.T. safeguards to defend IS systems from cyber exploits, attacks.
4. The ability to develop team skills to work effectively on CSU Pueblo cyber team field projects.
5. The ability to communicate cyber security issues clearly, in writing and orally to an audience, particularly with regard to the technical analysis of cyber-threat issues, solutions and tactics.
6. Understand the best application of Info Security Models, Cyber Sec Planning and Policies to analyze, integrate appropriate cyber security methodologies into viable solutions.
7. As a team project members, the ability to develop and communicate Threat-Vulnerability-Asset (TVA) grids and IT solutions for cyber attack and vulnerability risk analysis.
8. Demonstrate the ability to develop Disaster Recovery, Business Continuity and Risk Mitigation Strategies and solutions within financial, ethical and cyber Law boundaries.

## Specific Program Requirements

Course	Title	Credits
CIS 210	Introduction to Cyber Security	3
CIS 250	Introduction to Business Analytics	3
CIS 289	Network Concepts	3
CIS 315	Linux Fundamentals	3
CIS 460	Cyber Security & Defense	3
CIS 461	IT Security Risk Management	3
CIS 462	Computer Forensics	3
<b>Total Credits</b>		<b>21</b>