May 3, 2021
Memorandum

To: Computer Information Systems (CIS) Faculty
From: Dr. Roberto Mejias, Director, Center for Cyber Security Education and Research (CCSER)

**Computer Information Systems: Cyber Security Emphasis
Program of Study**
Program-Level Learning Outcomes (PLOs)

After successfully completing the Cyber Security Program of Study, students will possess the following skills:

1. Demonstrate the ability to understand and recognize the nature and range of Cyber Threats, Exploits, Attacks.

2. Demonstrate appropriate analysis and application of Cyber Defense (CD) tools and methodologies to address and defend organizations and Information Systems (I.S.) from cyber attacks.

3. Understand the best application of Info Security Models, Cyber Sec Planning and Policies to analyze, and integrate appropriate cyber security methodologies into viable solutions.

4. As a team project member, the ability to develop and communicate Threat-Vulnerability-Asset (TVA) grids and IT solutions for cyber attack and vulnerability risk analysis.

5. Demonstrate the ability to develop Disaster Recovery, Business Continuity and Risk Mitigation Strategies and solutions within financial, ethical and cyber Law boundaries.

Roberto Mejias, Ph.D.   *5/4/2021*

Dr. Roberto Mejias, Ph.D.,   NSA-CAE **PoC** for CSU-Pueblo
Director, Center for Cyber Security Education and Research.
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Kuang-Yuan Huang   / 5/5/2021

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