Minutes

Committee Name: IWV IT/Cyber Security Advisory Committee

Date: March 23, 2023

Time: 11:30 – 1:00

Location: Casey's Restaurant – Ridgecrest, CA

Attendees	
Karnes, Valeries	Professor, Cerro Coso Community College
Hack, Terri	Counselor, CTE, Cerro Cosomn0 Community College
Ama, Suzanne	Chair, Professor, Cerro Coso Community College
Kuttig, Paul	Professor, Cerro Coso Community College
Klamt, Kyle	Booz Allen Hamilton
Wainscott, Stephen	Booz Allen Hamilton
Cota, Joe	NDTI
Gorduyn, Julianna	Student, Cerro Coso Community College
Mosehkin, Ken	NAWCWD
McGowan, David	SSUSD
Cortez, Sergio	SSUSD
Leonard, Andrea	NAWCWD
Allen, Denise	Administrative Secretary, Cerro Coso Community College

1. **Call to Order** – 11:35

2. **Introductions** - all those in attendance introduced themselves.

3. **Approval of Minutes** –Minutes unanimously approved.

4. **IT/Cyber Security Programs/Curriculum** – Professor Karnes presented an overview of the following, see attachments. ==No opposition from those in attendance in reference to the new certificates/degrees, removals and additions made below and attached in the meeting packet.==

   • ==Computer Application Specialist Certificate/Associate of Science Degree==

       1 Cloud computing course are a direct result of participation in the AWS grant.

       2 C248 is direct result of gap analysis that was conducted.

   • IT and Cyber Security Certificates

       i Removal of math component (still in AS degree)

       ii Addition of:

           1 IT C257 – Introduction of Forensics

           2 IT C260X – IT Professional (this course was a direct result of feedback from the advisory groups) This course is currently on its way to the state for approval.

       iii Cyber Security Defense & Operations bachelor's degree

           1 Desktop Review – March 1, 2023

           2 Program Structure – all courses can be completed online.

           3 Letters of support are needed from industry partners and employers to demonstrate need. A template will be emailed out, letters must be on company letterhead. Please return by April 1, 2023.

5. **Employer Meet and Greet –** Professor Karnes reminded all those in attendance about the Employer Meet and Greet, Wednesday, April 12, 4-7 p.m. It will take place in the lobby of the LRC. Vendors must sign up in order to participate. The link will be shared out again to the advisory group, and a flyer is attached to advisory packet.

6. **Computer Technology Exploration Club (C-TEC) –** Professor Paul Kuttig informed the advisory group the C-TEC club is being revitalized from pausing due to the COVID 19 pandemic. The club has two active officers, and the goal moving forward is to meet three times per semester. The next meeting is tentatively schedule for 4/22/23. The club is open to the public and any age. Professor Kuttig is also open to community members and employers presenting to the club.

7. **Employer Needs**

- Booz Allen Hamilton needs IT/Cyber employees, they currently are short 50 employees locally. The company is also interested in partnering with Cerro Coso Community college for internships. Model based engineering is becoming a need within the industry, no current training avenues available.

- NAWCWD – In need of SA/Cyber employees, short upwards of 1500 employees in their service areas. Angela shared some programs she works with, Gencyber, and CYSP grants, she will email Valerie the information.

- NDTI – To date has hired five interns that have gone through the internship program, has one intern starting soon. Suggested we look at Microsoft certificates with the amount of office-based components in courses.

- SSUSD – in need of networking/security employees. They would like to see more Microsoft, Cisco networks, VM, server imaging. CCCC may look into a non-credit option if a need is shown.

8. **Additional Items**

- The flyer for the Defense and Aerospace summit, April 11, 2023, was shared with those in attendance, and they were encouraged to sign up to attend.

9. **Meeting adjourned** - 1:00

Meeting Chair: Valerie Karnes
Recorder: Denise Allen

Minutes

Committee Name: IWV IT/Cyber Security Advisory Committee
Date: November 9, 2022
Time: 11:30 – 1:00
Location: Cyber Lab – Cerro Coso Community College

Attendees	
Karnes, Valeries	Professor, Cerro Coso Community College
Hack, Terri	Counselor, CTE, Cerro Cosomn0 Community College
Ama, Suzanne	Chair, Professor, Cerro Coso Community College
Kuttig, Paul	Professor, Cerro Coso Community College
Griffin, Nicole	Dean, CTE, Cerro Coso Community College
Hancock, Sean	President, Cerro Coso Community College
Cota, Joe	NDTI
Gorduyn, Julianna	Student, Cerro Coso Community College
Camarilio, Jr. Alfred	Student, Cerro Coso Community College
Hartfiel, Stacy	Bellevue University
Zamarron, Angel	NAWCWD
Hennebury, Nicole	NAWCWD
Marshall, Jennifer	Career Center, Cerro Coso Community College
Vigneault, Kyla	NAWCWD
Slone, KC	NAWCWD
Zissos, Chad	DCS Corp
Huffman, Tyson	Professor, Cerro Coso Community College
Leonard, Andrea	NAWCWD
Boggs, Matt	NAWCWD
Cooper, Jaclyn	Grand Canyon University
Chen, Samantha	Opportunities for Learning

1. **Call to Order** – 11:31

2. **Introductions** - all those in attendance introduced themselves.

3. **Approval of Minutes** – Stacy Hartfiel made a motion to approve the minutes as written. Paul Kuttig seconded the motion. Minutes unanimously approved.

4. **College Update** – Nicole Griffin, Dean CTE provided a college update. Dean Griffin shared that the AWS grant implementation has been successful. We have been able to award several scholarships to students with these funds, with the goal of increasing the number of scholarships awarded in the spring semester as funds allow. We are excited

the cyber lab is up and running, and happy to be able to host this new group in the new space.

Dr. Hancock, CCCC President, shared that enrollment is up over last year, with another increase expected for the spring 2023 semester. Cerro Coso has a large online program, with 60% of enrollments being in online courses. Cerro Coso was approved in August to push one baccalaureate degree forward. Cyber Security has been the degree decided upon.

5. New IT/Cyber Security Classroom

    - Professor Karnes welcomed all those in attendance to the new cyber lab. Two classes are being conducted on campus in the lab. More on ground classes are projected to be added in the spring.

    - A soft opening of the lab will be held November 16, 2022, at 5:30, following the open registration event on campus. *Reach out to SSUSD to invite to opening/C-TEC club. (Done 11/14 via email).

6. **IT/Cyber Security Programs/Curriculum**

    - AWS Pilot Cloud Skills Certificate Changes – Professor Karnes reported that Cerro Coso is included in the first cohort in California to participate in the AWS pilot program. We have been able to award seven scholarships of $500/scholarship. We will also be offering TestOut scholarships. These scholarships are not income dependent.

    - Computer Application Specialist Certificate – Professor Karnes shared the pathway for new certificates and requested feedback from the committee. The consensus was the IT C190 course needs to be incorporated into the IT and Cyber certificates. The course will fill a gap seen industry wide.

    - Math Components in certificates – in past advisory meetings discussions have taken place around removing the math components for the certificates, they will still be required for an associate degree. Professor Karnes requested feedback. No outward opposition was expressed.

    - IT and Cyber Security Certificates – Professor Karnes shared the digital forensics is one course looking to be developed and added to the certificates, requested feedback. No specific feedback regarding that course. It was noted that English skills are lacking, and one member suggested server plus be moved to IT. It was also expressed that with the current roadmap, upon completion, individuals will be more skilled than those currently being hired. Professor Karnes shared that a certificate of achievement for business introduction will be available, those courses are being removed from current IT/Cyber certifications and will be moved to business advisory.

- ==Data Analyst certificate== – Professor Karnes shared the data analyst I certificate, explaining that when working with counseling, there were hidden prerequisites found, that have allowed us to add courses to the certificate. The proposed certificate will be 16 units. When a certificate is a minimum of 16 units, and that certificate is part of a student's goal, it will allow them to apply for financial aid. ==No expressed feedback in favor or in opposition of the certificate.==

- Cyber Security Bachelor's Degree – Professor Karnes asked the committee for their thoughts on the cyber security degree. Those in attendance wanted to know what kind of degree, B.A., B.S, or B.T. B.S. is preferred over a B.A. for our local employers. Angel Zamarron reported, she has been working closely with CC, and the discussions have been that the degree will be a B.S. and those being hired directly to NAWS China Lake will be hired on at a DP status.

7. **Computer Technology Exploration Club (C-TEC)**

- C-TEC club is back up and running. The first meeting of the semester will be, Saturday November 19, 2022, at 10:00 a.m., the college community is invited to attend. Professor Karnes will send an email out to the advisory committee with the details.

8. **Job Placement updates** – Jennifer Marshall shared how the career center supports CC students and employers. We have internships, externships, student workers, work with community on business employment needs and prepare students for interviews and entering the workplace. Please feel free to reach out to Jennifer, Jennifer.marshall@cerrocoso.edu.

9. **Employer Needs – Open Forum**

- Bellevue University – Stacy shared that Bellevue is bringing on a data science degree and a cyber B.S. and master's degree.

- Grand Canyon – Jaclyn shared that GCU has a lot of scholarships opportunities, and they have services that can help with clubs, like our C-TEC club. They are willing and able to support!

- NAWCWD – Angel shared the Naval Horizons scholarship opportunity, flyers were distributed.

- NAWCWD – Matt expressed an idea of the benefits of a cyber consortium, and the support and opportunities a consortium could bring to all stakeholders.

- Curriculum feedback – Suggestions from the committee involving curriculum included having courses related to applying controls, COMPTIA certs, scripting (powershell, command line), and a general understanding that processes can vary, students must be able to adapt to individual program needs.

10. **Additional Items –**

   - Professor Karnes expressed an interest in exploring an employer meet and greet in spring, well supported within the committee.

   - The next advisory meeting will be in March/April 2023

11. Meeting adjourned at 12:57

Meeting Chair: Valerie Karnes
Recorder: Denise Allen