

Business and Information Technology Systems (BITS) and Health, Human and Public Services (HHPS)

Advisory Committee

April 25, 2018

**Agenda for Breakout Session – Business and Information Technology Systems (BITS)**

**Computer Information Systems (CIS) – Cyber Security / Computer Information Systems (CIS) - Programming**

SAS 121

* Call to order

5:45 PM

* Approval of Meeting Minutes – October 11, 2017

Minutes approved.

* New Programs/Curriculum

-Cyber Security in the healthcare security

-IT Technician Pathway; Dr. Kasey Nguyen

-Question about courses: Does the certificate program include testing in order to complete industry level certification?

-Building cyber security lab.

-Certificate, not degree yet.

-Recommendations by Dr. Keri Then: Emphasis on relationship to the industry standard of the certificate. Companies are looking for industry level certification. Doesn’t want MVC to become another DeVry University.

-IT Technician Pathway; Combines coursework with certification work.

-Suggested that a sort of technician pathway is set up at MVC.

-Claire Jefferson-Glipa: The intention of a technician pathway type is already

emphasized in the program.

-Donna Woods: Students at her high school (Canyon Springs HS) working with MVC are being certified at the industry level.

-Tura Morice: If she saw “IT Tech” on a resume, she would assume it was a desktop support, not an actual technician. Need to consider changing the title from IT Tech to some other name in order to become candidates for hire.

-Robert Loya Question: Some people are looking at NETlab (simulation) as a great resource. What are everyone’s thoughts compared to the actual hands on?

-Dr. Keri Then: There is a physical layer and an internet layer. NETlab solves program and network issues but a physical layer needs to work and it needs to work just as well as the IT layer. Should be hybrid.

-Lea Deesing- Seconded Dr. Keri Then: There’s nothing like having an actual physical access; extremely valuable.

-Claire Jefferson-Glipa: Something very important about students touching gear. The power of the NETlab is that it gives accessibility and flexibility; especially important to demographics at MVC.

-Dr. Keri Then: We’re assuming we are talking about networking. When dealing with wireless networks it is different than setting up an enterprise network. Physical layer changes depending on IT exposure.

-Steve Collier: Focus of certificate program should be tuned in a little bit; be more specific. What exactly are we looking for in these certificates?

* IT Technician Pathway (see attached flyer)

- Focus of health. When you run different standardized networks, training for cyber security and healthcare; First thing in an audit is HIPAA compliance. If MVC wants to focus on this, HIPAA compliance needs to absolutely be a focus.

* Non-credit courses in development:
  + System maintenance certificate: Computer repair, basic network installation, Internet and system security
  + IoT Systems: Introduction to Raspberry Pi, Introduction to Arduino and Microcontroller, Projects in IoT
    - Nicole Shadowen: IoT is extremely important and valuable with AI and robotics.
* Credit courses in development:
  + Python Programming Certificate – New courses in Development:
    - CIS30A – Introduction to Python Programming (4 units)

Extremely important!!!!

CIS30B – Python in Networking and Cybersecurity (4 units)

* + - CIS30D – Python in Game and Interactive Apps Development (4 units)
    - CIS30E – Python for Internet of Things (IoT) (4 units)
  + IoT Administration Certificate – New courses in Development:
    - Introduction to Internet of Things (IoT) (4 units)
    - Internet of Things (IoT) Networking and Security (4 units)
    - IoT in Healthcare, Manufacturing and Businesses (4 units)
    - CIS30E – Python for Internet of Things (IoT) (4 units)
* Cybersecurity – Healthcare Specialization
* News from Industry
* News from Moreno Valley College
* Industry Questions
* Wrap-up
* Adjournment
  + Adjournment at 6:35 PM