Saddleback College  
CIM/Certificate Advisory Committee

Minutes  
April 24th, 2018 and February 26th 2018

Working IT Professional Members in Attendance

Dan Dumouchel Information Security Analyst Willston Financial Group

Steve Linthicum, JD, CISSP Deputy Sector Navigator  
Information and Communications Technologies / Digital Media

Mike Sapien Network/Cybersecurity Specialist  
VP & Chief US Analyst, Enterprise Services - OVUM

Saddleback College Members in Attendance

Tom DeDonno chairman (Computer Information Management/IT) CIM  
Steve Korper CIM Professor/Network Security Specialist  
John Jaramillo Dean EWD/BS CIM’s Division

Prologue

Due to the diverse nature of an Information Technology (IT) department in the 21st century. It is prudent to have Advisory Committees composed of experts in a specific area. It would be foolish to include a help desk employee in a network/security discussion. As a result, this advisory committee focus was on networking, computer security, and cybersecurity. Other advisory committees focus in on other aspects of IT. Therefore, this entire minutes is considered a highlighted item for the Cybersecurity/Information Security Analyst certificate.

Chair Report Tom DeDonno – CIM/CCC Certificate Objectives

California Community Colleges (CCC) supply certificates to achieve one of three major goals:

1. Economic Workforce Development (EWD) retraining of working professional to maintain a competitive workforce and increase an individuals chance or procuring a job.
2. High School to Information Technology (IT) entry-level jobs.
3. Transfer paths to 4 year BS and six year BS/MS degrees.

A major constraint of all certificates is we have to be within a 60 unit max, which means the specific courses in the certificate need to be between 12-26 units.

Analysis of Current Certificate/Courses

All three IT professionals recommended that courses should prepare students for CompTIA certificates. CIMN/CIMS courses when possible are being updated to reflect CompTIA certificates.

Steve Linthicum voiced the importance of following CID Information Technology/Information Science (ITIS) course especially ITIS 164 “Introduction to Cybersecurity: Ethical Hacking and ITIS **Cybersecurity Analysis.”**

Steve Linthicum also said he could fund our networking classes using Cisco Academy. We should also look at CSU offering cybersecurity degrees.

All three IT professional felt we should minimize cyberlaw. Our CIMS 250 cyberlaw course is being downplayed with more of an IT IS 164 Cybersecurity emphasis. Our cyberlaw course is being updated to reflect both the cybersecurity emphasis and downplaying cyberlaw.

Mike Sapien, felt our Information Security Analyst occupation skills award is moving in the right direction. Should attempt to align to MS graduate programs in Cybersecurity. He also felt that basic networking as covered in CIMN200 should not be part of a Cybersecurity certificate.

John Jaramillo emphasized the importance of aligning to high school cyberpatriot.

Steve Korper voiced how classes like computer forensics can be taught with minimum hardware investments.

Dan Dumouchel stressed the need for students to understand TCP/IP and SMTP network protocol. Understanding the structure and logic is important for both malware technicians and email admins. He also stated a cybersecurity security certificate is more valuable when grouped with a Network Administers certificate.

Dan also voiced the importance of understanding either Windows PowerShell scripts or Linux bash script. Linux makes you more important in the marketplace. The certificate will have technical electives in these areas.

Dan also stated all companies are updating their security policies to ISO 27001:2013 version to maintain their SOC2 certifications. You can buy this policy outline online at www.iso.org so you can see if your teaching is relevant. This outline gives a high-level view of what people generally “do” in the field.

Dan saw the need for being able to read and understand email code consisting of JavaScript and HTML. Again technical electives and pending zero-unit certificate Web and Mobile Bootcamp developers certificate will supply training in this area.