

Quarterly Cybersecurity BILT Meeting May 9, 2013
Meeting Minutes

Agenda Items review

Responsibility of the BILT-

- Erich- the focus of the BILT to look at our curriculum and identify KSA that will allow our students be trained according. Not only do you vote on the ksa and validate them but to validate the curriculum and certificates that we created from the validated KSA. To make sure students are hireable after graduation.
- Matt Glover- Are you looking for us to provide real time feedback in this meeting
- John Sands- Yes, we are.
- Matt Glover- So this is a final review to make sure we have crossed our t's and dotted our l's.
- John Sands. Slides for course lay outs.
 - Show them semester by semester what they should take and what the different industry certification s are along the way.
 - Second course security awareness- 1 credit hour course hits the fundamentals for anyone handling data, social media. Can be taught in the IT and technology but in health care or business area. We have had BILT and other recommend outreach into other areas.
 - LAN 111 and 112. One concentrates on hardware and the other on software. Includes networking and so one
 - The next course Network + and CISCO c cent – Go through 15 different services students manager email server and other servers. These are required for net admin switching and routing

- Comments questions?
 - Matt Glover- the 103 course in the security awareness, are you covering policy and privacy?
- John – Yes not in depth but we do cover it. At an introductory of the security concerns across the board-with everyone. They do go over the legal aspects. It is a 1 hour course, but it is discussed. We find a variety of students take the course (i.e. nurses, a variety of majors). So it is used across the board.
- Matt- Does it go into physical and it's just an overview that security is everyone's responsibility? It comes down to data-how it is transferred, is it protected? If so, how? And is it public data? Private, etc. How is that communicated to the student? The titles didn't mention much 'data' focus, so Matt wanted to make sure that the data privacy issues is discussed/covered.

- John- we do touch on the legal responsibility and touch on the byod. The Idea was to get a course that touch on other.
- Matt- Is it these first courses or the next courses we are going to get into, there are a few things I think about when it comes to cyber and data what kind of data is it.
- John- yes that is the kind of thing we cover
- Matt- ok good the titles of those courses didn't give me that. Can you expand on network services
- John- we give the students a good survey of the different types of services that are provided on a network.
- Matt- the cyber tie in is how to protect it.
- John- we don't do that in that course.
- Matt- is there any dialogue on how cyber ties in to it?
- John- There is we try to tie that in to all our courses.
John ok from there we go into the core courses. Lan 246 second half of semester introduces students into a higher level of switching and routing.
Then Digital Forensics first course
IT Essentials aligns to comptia security+
Made changes in the cisco course we introduce Linux and Microsoft platforms
2nd half of CSSIP cert.
Then we have a group of elective that students can pick from. We are adding a couple like scripting courses; database management course will be another new elective.
- Comments questions?
- John-That makes up our technical logical degree, we are a 2 year college and we have to stay with in a number of courses we are allowed to take.
- Matt- everything about security is only due to one thing and that is to protect data none of the courses jump out at me that screams protecting data. How do we have it resonate with students that everything we doing is all about protecting data.
- John- I do not know how to address that in the titles that is what we are focusing on in all the courses. What we have done is tried to align then with certifications and courses that are out there.
- Matt- I get that but I'm just trying to provide
- Ron- some of that is covered in 153
- John- it is touched on in every course we may not reflect that in the title of every course. Here is the frame work and approach we use.
- Matt- absolutely
- Frank- All of the courses sound the same-I use to be a student at mvcc 6 yrs. ago
- Ron- all said and done you have your firewalls but you need to be encrypted when they have gotten access to system what do you do to protect you data
- Matt- tdrs focus so much on a specific symptom, the challenge that I don't want to have is have the student to come out of the courses saying I know how to do it in the firewall, we are weaving in the fact that all of this is required to protect data and that there is more out there

that we are not going to cover as long as student leave these courses knowing that then we are ok.

- John- that is what we are doing- part of what we do is point students to shared resources that industry uses. So that can do a better job to understand that one person can't do this it takes and entire company. We do want them to leave this programing knowing how to drive those programs. This is not a management program our students are going into the practitioner positions. We do want to make sure they are prepared for the level of challenge they will be given in the work place.
- Matt- in my interview process if I am hiring one of your students I want to know how their role is impacted and how it impacts the roles around them. Let's say in a CCNA resource, I know how to protect what are the other guys doing, and once I get another resource how do I know it's being protected along the process. What I have seen the blame on a situation by the comment(s) being made: "is oh that's a system problem, data problem". Want students to know it's a universal/company problem.
- John – I have a question for you then as far as introducing what you're talking about in our last two course would there be anything specific you would like to see that implemented
- Matt- that would be a longer conversation- I agree with your course work by the way. I recently went to an event at Collin College, a student he wanted to be a CCNA he graduated in went in to Polarization. To me I'm feeling that based on that testimony that you guys already cover it but I just want to make sure when I interview someone I want to know that this is what I am looking for.
- John- we do have threaded case studies where they see their projected and how it threads through the company. This reminds me when we introduce things like the IDS system if you're not reading the logs and reacting to things.
- Matt – or you're not writing the scripts to read it for you
- John- stackable certificates you have multiple entry and exit points. What this means is that students can come in obtain some skills. There are a lot of high school students starting to take these courses, so they can get a part time job and continue taking courses. This model is being very successful. The open entrance part of it, there is students who work in another area/career while they are taking courses and they are increasing their knowledge or maybe taking a career shift. And then exit to get employment and come back and get other certificates as they get further in their career.
 - First Certificate
 - Second Certificate- more on the networking side, having them get a better understanding of connecting other systems to a network and understanding how data is packaged and sent across a system entry level basic net admin
 - Third certificate- focuses on routing and search environments to the point of lans and all the technologies and services that are necessary to provide wan access
 - Fourth certificate- security awareness and lower end of security + ethical hacking

- Those are the basic stackable, when they go for their degree in the 2nd and third semester. One of the state requirements we have to lay out the path.
- Matt- This is excellent
- John- we have been doing this for 12 yrs. the students who take this path way have been very successful getting into careers in the Chicago area. The classes are somewhat flexible for the different communities. What we share with you what the components we are packaging to share. We put a lot of emphasis on the hands on. It allows our students the opportunity to get experience in environments that schools would not be able to provide.
- Erich- virtual lab
- Matt- the stackable and how it leads to the degree was really well put together.
- John- we will ask for approval we want to show you a little deeper.
- Erich VLAB Demo- Erich does an extensive demonstration of how the Virtual Labs work for the students.
- Frank- Students are able to learn real time what's going on in real world time.
- Mike Wilson from TI: I'm going to have to drop off now. The curriculum is well thought out and the lab management system is amazing. I have some additional thoughts on the importance of data; will shoot those to you via email in the next day or so. Thanks! Great work being done here!
- John- what do you think
- Frank- it looks good
- Erich- What we would like from the BILT is
- Ron- I don't have anything to compare it to but I am impressed and think it is amazing what you have done
- Erich- There is nothing to compare it to we have installed
- John- Who would like to start
- Approves curriculum – Frank, Kevin, Ron, Erich,
- Kevin- from IBM contact in the academic will get contact information.
- Erich- what we have done in the past- we have created an resume booklet and provided that in the past
- John- we can follow up with an email on how you would like to receive our graduate information. Then we look forward to meeting you in August.
- Discussing curriculum and approval of certificates
- Erich Stingler-works with John at Moraine Valley College and involved in the security side of the school
- Working with technology industry to roll out and making it the hands on part of the curriculum for the students.
- and that she needs the meeting Mike at TI, Frank at engineer Dell Secure Works, Jim at Design Engineering, Matt head of IT at AMA, Kevin at IBM, John with Collin College, Phil at Collin College (?) Susan from moraine valley helping them develop curriculum. Also has minutes taken there with john.

- Christina-Discusses about the “face to face” on August 21st for Cyber Security. August 20th is the face to face networking and would like everyone to attend both sessions. All 7 partners will be displaying what they’re doing and asking those involved to give input. We will give business travel expenses if needed. We’d like it to affect students starting this fall.
- Christina is asking for Anne: we have graduation this spring and have graduates ready. What is the best way to get resumes to the businesses? Kevin-send by link? Erich-says we’ve provided a resume booklet to give to the businesses in the past, maybe do it that way again. John suggests sending an email out to the businesses and ask them to reply that way.
- No more questions? Nope
- Meeting is closed at 10:15 am.