Computer Information Systems Technology
Instructional Faculty Consortium Committee

Thursday, March 15, 2018
9:30 - 3:00
Gwinnett Technical College
Building 700 Busbee Center
Lawrenceville, GA

Meeting Agenda

Jim Poarch welcomed everyone at 10am and thanked them for coming.

Voting Items:
A proposal was made to remove CIST1001 as a prerequisite for CIST1220 from the state. It was approved by the entire CIS committee. See details below committee reports.

Discussions:
- Dwight Watt reported on the technology conference held the previous day. Attendance was about 40 people. Cengage was the sole vendor to set up in the vendor hall. He recognized the committee who helped him set up the conference: Jim Poarch, Helen Hall, Terry Hand, Rita Patel, and George Schramm. Each was presented a certificate and a mug. He asked for those who attended to be sure to submit the survey evaluating the conference.
- George Schramm reported on the following news from the state:
  - Joe Dan Baker has moved from Academic Affairs to Assistant Commissioner.
  - A Curriculum Specialist position is open.
  - **CIS** pas group has changed to **Cyber and Related.**
  - Enrollment is on an uptrend since 2016.
  - Awards are on a steady up trend since 2012.
  - if you have electives in a program, a local college can create a course for it. They must follow the local college policy for developing courses. Once approved, submit to George Schramm at the state for entry into the KMS database.
- Rita Patel lead a discussion on where schools are advertising for full-time instructors and adjunct instructors. All agreed it is, at times, hard to find qualified people for the salary offered.

Program Breakouts:
Each program group met individually to discuss their programs. Program reports are as follows:

Computer Support Specialist Breakout Session
Attendees:

NAME	COLLEGE	EMAIL
Jan Hall - Chair	GNTC	jhall@gntc.edu
Tracey Thompson – Co-Chair	WGTC	tracey.thompson@westgatech.edu
Melody Johnson	CTC	mjohnson@columbustech.edu
Jamre Powers	Southeastern	jpowers@southeasterntech.edu
Shawna Early	CGTC	searly@cetralgatech.edu
Alesia Taylor	CGTC	altaylor@centralgatech.edu
Wayne Lockwood	CGTC	wlockwood@centralgatech.edu
Eli Walker	CGTC	ewalker@centralgatech.edu

John Haley	Athens Tech	jhaley@athenstech.edu
Victoria S. Santiago	Augusta Tech	victoria.santiago@augustatech.edu
Robert Stokes	Southern Regional	rstokes@southernregional.edu
Barry Marshall	SRTC	bmarshall@southernregional.edu
Chris Sanchez	SRTC	csanchez@southernregional.edu
Mike Jones	GPTC	jonesm@gptc.edu
Joseph Johnson	WGTC	Joey.johnson@wiregrass.edu
Laura Layfield	OFTC	llayfield@oftc.edu
Tony Cantrell	GNTC	tcantrell@gntc.edu

Committee Chair, Jan Hall, called the meeting to order.

Voting Items:
Voting of officers was necessary due to Jan Hall retiring June 1st.
Tracey Thompson, CIST Program Chair at West Georgia Technical College, was voted Chair.
Victoria Santiago, Computer Support Specialist at Augusta Technical College, was voted Co-Chair.

Discussions:
- After discussion, the committee voted to remove the prerequisite of CIST 1001 from the CIST 1220 course. (The committee was made aware that the Programming Specialist Committee would be voting on this, also.)
- Some schools have "chosen" electives for CIST students. VPs and Deans control this.
- CIST is now referred to "Cyber and Related" in PAS.
- Degree Works is not available to all faculty, but is needed for advisement.
- CIST 1601 – Some schools use TestOut LabSims.
- Some schools teach mini-mesters, but only offer the lo- level courses, COMP 1000 and CIST 1001, in the "Part B" of the semester, particularly for those students who don't have everything aligned to start school at the beginning of the semester.
- CIST 2921 – There are no textbooks for Project Management 2016, so everyone uses one of two books.
- Some colleges are teaching CIST 1101 instead of COMP 1000. One college is teaching CISM 2201, which is an articulated course with a local university (heavier in Excel training than COMP 1000).
- CIST 1122 – Some colleges don't teach it online. TestOut LabSims is used. When taught online, the instructor requires students to supply pictures to evidence their work progression. Some colleges use MindTap. One college allows students to use their own equipment or check out the college's equipment. They check out a working machine and must return it in the same condition. It was advised that as many colleges and universities are now going to virtualization, they may be willing to donate equipment.
- At least one college now has a single sign-on for Bb and student email. There are some drawbacks, because while logged onto Bb, BannerWeb may not be available. Also, if students forget their password, they are blocked from Bb and student email.

A motion, second and vote were accepted by Jan Hall to adjourn.

Cybersecurity

Attendees:

NAME	COLLEGE	EMAIL
Jim Poarch, Chair	Augusta Tech	jpoarch@augustatech.edu
Jimmy Crum, Vice Chair	Gwinnett Tech	jcrum@gwinnetttech.edu
Sean Strickland	Wiregrass Tech	Sean.strickland@wiregrass.edu
Ed Fritz	Southern Regional	efritz@southernregional.edu
Adriane Thomas	Southern Regional	athomas@southernregional.edu
Jan Carney	GNTC	jcarney@gntc.edu
Bennetta Patterson	Atlanta Tech	bpatterson@atlantatech.edu
Charles Chapman	Chatt Tech	Charles.chapman@chattahoocheetech.edu
Kimberly White	CGT	kwhite@Centralgatech.edu
Todd Meadors	GPTC	meadorst@gptc.edu
Rita Patel	Gwinnett Tech	rpatel@gwinnetttech.edu

Committee Chair, Jim Poarch, called the meeting to order.

Voting Items:
None to report.

Discussions:
- He read the minutes from last year's cybersecurity breakout session. The major continuing issue from the last meeting is development of CIST 1602 course into a capstone course for Cybersecurity curriculum. Jim is continuing to make progress. There was some preliminary discussion of the course number changing to 26**. Local co/prerequisite changes would be required so that students would have to take other courses first.
- Jim discussed some of the course content changes that Augusta Tech has implemented in CIST 1601 Introduction to Information Security. He suggested the Cisco CCNA Cybersecurity Operations curriculum could serve as the content for CIST 1601. This course is offered through Cisco Networking Academy. Train-the-Trainer training is required to teach this course through Cisco Networking Academy . Stanly Community College offers the training online. Contact Kelly Caudle: kcaudle5282@stanly.edu for more information.
- There was a discussion on pre/co-requisites changes for CIST1601. Some schools are requiring CIST 1001 as pre-req. Some schools are using CIST1001 as co-req. The pre/co-requisites decision is a local decision since there is no state-defined pre/co-requisites for CIST 1601; however, CIST 1601 is a required course in the Cybersecurity curriculum.
- There was a discussion on how to better recruit cybersecurity instructors. One suggestion was to recruit individuals who possess fundamental networking knowledge and experience, who possess networking and security certifications and have a passion to teach cybersecurity.
- The major discussion of the meeting concerned the best environment for cybersecurity students to complete their lab assignments. There were basically 4 alternatives suggested:
  1. Running VMware workstation on the local computers and either utilizing locally stored virtual machines (VMs) or VMs stored on students' flash drives.
  2. NDG Online
  3. NDG NETLAB+ environment managed locally.
  4. Creating and managing a local virtualized environment utilizing technologies such as

GNS3, Vsphere, or Microsoft Hyper-V.
Each solution will have advantages and disadvantages, and the decision on which one chosen may primarily be determined by budget.

A motion, second and vote were accepted by Jim Poarch to adjourn.

Database

Attendees:

NAME	COLLEGE	EMAIL
Mike Jones	GPTC	jonesm@gptc.edu

Committee Chair, Mike Jones, called the meeting to order.

Voting Items:
None to report.

Discussions:
Mike Jones was the only attendee. He reviewed the curriculum and found no changes were needed.

A motion, second and vote were accepted by Mike Jones to adjourn.

Gaming

Attendees:

NAME	COLLEGE	EMAIL
Tim Drexler - Chair	Wiregrass Tech	tim.drexler@wiregrass.edu
Michael Stattelman – Co-Chair		

Committee Chair, Tim Drexler, called the meeting to order.

Voting Items:
Due to personnel changes new officers needed to be elected. Tim Drexler was nominated as chair. Michael Stattelman was nominated as co-chair. Both were approved.

Discussions:
- Michael asked for ideas on increasing retention. Tim suggested joining the Georgia Game Developers Association. Tim also mentioned attending Kennesaw State's Game Jam and Georgia Siegecon so that students can meet professional developers in Georgia. Tim then brought up Skills USA as a great opportunity for students to gain experience and meet developers.
- Michael and Tim then talked about implementing different technology into the curriculum. Michael brought up using Microsoft Holo lense and Unity. Tim mentioned Unreal engine and Lightwave 3D for graphics.
- All agreed that current contact hours and curriculum were acceptable.

A motion, second and vote were accepted by Tim Drexler to adjourn.

Networking

Attendees:
Attendee list not provided.

Committee Chair, Dwight Watt, called the meeting to order.

Voting Items:
None to report.

Discussions:
- Cisco standards/changes – CCNA1 and 2 are already created. CCNA 3 and 4 standards (Joni will check with Jim). A few schools teach CCNA1 and 2 together but use 1401 as a base and the students are successful.
- Cisco program specifics – CCNA1 for one semester, CCNA2 for one semester, CCNA 3 and 4 together recommended. Attrition rate of 50% from each course to the next.
- 1401 – recommended that networking fundamentals be a prerequisite for 2451. Some students are not taught subnetting and VLSM in 1401. Other discussion indicated that 1401 be left up to the individual school since the competencies are parallel to other courses. Scheduling of CCNA1 offered every semester. 2451 includes more hands-on labs via actual hardware or Packet Tracer. Microsoft classes are sys admin as opposed to hardware centric. Attrition rates of 2451 were discussed and adequate comparisons should be compared to 2452 and not 2451 by school since many schools use the 2451 as a replacement for 1401. Attrition rates of Gwinnett Tech and other schools differed due to the difference in 1401 requirement.
- Discussion on using Netlab for group projects in CCNA classes. Technical challenges were reported with the required Java. Due to specific technical challenges the Netlabs are best used on campus.
- IT Specialist degree reported as being very successful in getting students jobs at Chattahoochee tech. This include 2 Microsoft classes and 2 Cisco classes.
- Columbus Tech moving to 2016 for Microsoft in the Fall.
- Dan from Lanier Tech reported that issues with 1601 are that 1401 is a prerequisite. Other schools do not require 1401 as a prerequisite for the entry level cyber courses.
- Lorenzo Clarke from Gwinnett Tech emphasized the focus should be on certifications such as A+. Net+, Sec+, and CCNET.

A motion, second and vote were accepted by Dwight Watt to adjourn.

Programming

Attendees:

Joe Sepielli	Augusta Tech	jsepielli@augustatech.edu
Scott Lerch	Augusta Tech	plerch@augustatech.edu
Maylon Walker	GPTC	walkerm@gptc.edu
Bridget Willis	CGTC	bwillis@centralgatech.edu
Dave Busse	CTC	david.busse@chattahoocheetech.edu
Andy Powell	WGTC	andy.powell@wiregrass.edu
Tammy Frost	WGTC	tammy.frost@westgatech.edu
Rita Patel	GTC	rpatel@gwinnetttech.edu
Latnya Lewis	Atlanta Tech	Llewis49@atlantatech.edu

Danit Laken	GTC	dlaken@gwinnettech.edu
Tommy Chanbers	GTC	tchambers@gwinnettech.edu
Forough Sheikh Ansari	GTC	fsheikhansari@gwinnettech.edu

Members absent:

Caren Smith	SCTech	caren.smith@sctech.edu

Committee Chair, Joe Sepielli, called the meeting to order.

Voting Items:

Tammy Frost initiated a discussion for a proposed state standard change to remove the CIST1001 as the prerequisite for CIST1220. West Georgia Tech has introduced a new Course (CISM2201) that they have made a (local) prerequisite for CIST1220. The proposal to remove the CIST1001 prerequisite for CIST1220 from the state standard was unanimously approved by the committee. It was also recommended that each school can add any prerequisites for CIST1220 that they see fit: None or CIST1305 or CISM2201 or CIST1001 or CISTXXXX

Discussions:

- Introductions were made
- Joe led a discussion on results of the new mobile app courses (CIST2381, CIST2385, CIST2386, CIST2388 and CIST2383) at Augusta tech.
- Augusta tech has made COMP1000 a CIST elective for our program. TODO: review the process on how Augusta Tech made the change.
- The committee discussed the ways the various CP programs are teaching CIST1305. Raptor was suggested a good flowchart interpreter. Augusta reports that they encourage students to code projects in the language of their choice.

A motion, second and vote were accepted by Joe Sepielli to adjourn.

Web Design

Attendees:

NAME	COLLEGE	EMAIL
Steve James, Chair	Lanier Technical College	
Lori Harnist, Vice-Chair	Central Georgia Technical College	
Rebecca Gallagher	Wiregrass Technical College	
Kaleigh Kendrick	Chattahoochee Technical College	
Rocky Spurlock	Georgia Northwestern Technical College	
Michael Stattelman	Gwinnett Technical College	
John Taylor	Southeastern Technical College	

Committee Chair, Steve James, called the meeting to order.

Voting Items:
None to report.

Discussions:

- Program and course outcomes need to be updated to be more generic.
- General discussion regarding various course curriculum.
- Whether pre-requisites should be handled on a local or a state level.

- Software options for adding interactivity to courses.
- Possibility of creating a more design focused program versus development

A motion, second and vote were accepted by Steve James to adjourn.

Full Committee Wrap-Up:
- After each program gave their committee reports, the recommendation from the programming group to remove CIST1001 as a prerequisite for CIST1220 from the state standard was presented to the group. After discussion it was approved by the entire CIS committee. George Schramm reminded each school that they could locally add any prerequisites for CIST1220 that they see fit, such as CIST1305 or CISM2201 or CIST1001 or CISTXXXX.
- Several members expressed apprehension that the removal of state mandated pre-requisites is not good for overall CIST programs. The primary item of concern is the integrity of the course as each local school adds (or does not add) various pre-requisites to a course. It was stated we should be concerned with this when students transfer between schools or takes classes as transient students. For the schools that are located in close proximity to each other, there could be a trend for students to bounce between colleges and miss some required competencies within course because of the lack of local pre-requisites. It was suggested to the groups to use their regional consortium groups to work on this.

A motion, second and vote were accepted by Jim Poarch to adjourn the spring 2018 CIS IFCC meeting.