

Lansing Community College

**National Convergence Technology Center
National Visiting Committee Meeting
April 16-17, 2014
Frisco, TX**



Highlights

- Student enrollment in our ATE related courses
- Articulation and curriculum updates
- Student, leadership, and BILT Engagements
- Promoting the Convergence College Network
- Professional Development activities
- Outreach and recruitment activities
- Future focus and goals



Student Enrollment

- Enrollment Numbers for 2013
 - 539 students enrolled in ATE related courses
 - 79 graduates / 74 left the program
 - 386 are still enrolled in a degree program
 - Specific Convergence related course enrollment
 - Spring 2013 = 143 / Fall 2013 = 138
 - Other demographic information (36 gave no response)
 - Male: 440 / Female: 99
 - Hispanic/Latino: 16
 - Am Indian or AK Native: 3
 - Asian: 20 / Black or AA: 63
 - Native HI or Pacific Isle: 3
 - Multiracial: 11 / White Non-Hispanic: 387



Student Engagement

- LCC made a major investment in new hardware as required to maintain our status as a Cisco Training Academy
- The college also invested in new hardware and software for our Computer Support and Home Technology courses
- Representatives from local B&I continue to be guest speakers in our CIT courses
- Two students of our program were featured in the CTC digital newsletter – “Graduates on the Job”
- Two CT certificates were launched this year
 - Residential Networking Specialist
 - Convergence Technology



Student Engagement

- Residential Networking Specialist
 - Includes courses in Convergence Technology, Basic Electronics, and Residential Construction

BLDT 121 Residential Framing	4 credits
CITN 115 Home Technology Integration	5 credits
CITN 222 Wireless Networking & Security	3 credits
CITS 125 Computer Support A+ Cert Prep	6 credits
CITS 170 Basic Electronics for PC Repair	6 credits
CITS 225 Networking for PC Technicians	4 credits
DCTM 102 Industrial/Construction Safety	2 credits
REQUIREMENTS TOTAL:	30 CREDITS



Student Engagement

- Convergence Technology

BUSN 118 Introduction to Business	3 credits	A stackable certificate that fits between our IT Foundations certificate at 19 credits and the Computer Networking and Info Security degree at 64 credits
CITF 110 Intro to Computer Info Systems	3 credits	
CITF 120 Operating Systems Concepts	3 credits	
CITF 140 Information Technology Ethics	3 credits	
CITN 115 Home Technology Integration	5 credits	
CITN 120 Introduction to Networking	3 credits	
CITN 220 Cisco CCNA 1	3 credits	
CITN 222 Wireless Networking & Security	3 credits	
CITN 225 Cisco CCNA 2	3 credits	
CITN 228 VoIP Fundamentals	3 credits	
CITP 110 Intro to Computer Programming	4 credits	
CITS 125 Computer Support: A+ Cert Prep	6 credits	
MINIMUM TOTAL	42 CREDITS	



Articulation

- Currently we have articulation agreements with:
 - Capella University
 - Davenport University (3+1)
 - Eastern Michigan University (3+1)
 - Ferris State University (3+1)
 - Franklin University (3+1)
 - Kaplan University
 - Lawrence Technological University
 - Western Governors University



Student Success Stories

- Two LCC students were featured in the October CTC digital newsletter "Graduates on the Job":
- **Craig Pontius:** *"Lansing Community College successfully prepared me for my career as an IT professional by offering quality classes that gave me the skills needed to easily get an internship and then get a great job in my field. They also helped by offering fantastic coaching on resume construction and techniques on finding jobs. Without the instruction I received, I would still be working in a dead end job that I hated and not a job that I love going to every day."*



CTC/CCN Activities for 2013-2014

- Attended all bi-weekly meetings of the CCN Leadership Team
- Attended quarterly general membership CCN meetings
- Attended/Presented bi-annual "face-to-face" general membership CCN meetings
- Attended quarterly CCN/BILT meetings
- Participated in Working Connections Lessons Learned meeting to improve the quality of future PD events
- Provided all required reports and surveys as per grant requirements



CTC/CCN Activities for 2013-2014

- Completed rewrite of Introduction to Wireless class with Bill Saichek from OCC
- Major revisions were made to the CompTIA A+ and Network+ certification prep courses to reflect the new exam objectives and outcomes
- Cisco courses were updated to new curriculum
- Brought in a guest speaker from industry to present on new technologies in wireless networking
- Created an articulation agreement with Ferris State University (FSU) for our Networking and Information security degree



CTC/CCN Activities for 2013-2014

- Promotion of the Convergence College Network:
- Presented on the CCN and its benefits at the International Automated Building Conference held at LCC
- Presented on the CCN and its benefits at the TRENDS in Occupational Studies conference
 - Regional conference held in Traverse City, MI
 - Presentation on what the CCN is and the benefits of joining the network of colleges
 - *Fast Track New Technologies Into Your IT Curriculum*
 - Made contacts with CMU and Bay College
- Will be presenting at TRENDS again this October



CTC/CCN Activities for 2013-2014

- Bill Saichek and I:
 - Presented at the HITECH conference
 - Presented at the CompTIA Educators Conference
 - Presented at Texas CC Technology Forum
- Submitted case studies, project and capstone documents for dissemination by members
- Internship Coordinator for the CIT program at LCC and submitted syllabus/course content for our internship course for dissemination to all members of the Convergence College Network



Leadership Engagement

- Working Connections North was hosted by Lansing Community College in June 2013
 - Two instructors and three lunch speakers were from industry
- A big thank you to the support staff and administrators at Lansing Community College and the National Convergence Technology Center
- A true team effort
- Ferris State University joined the CCN as a direct result of the WC-N event
 - They in turn brought Montcalm CC on board



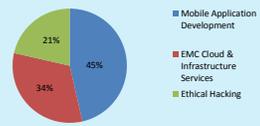


North
Lansing, MI
June 3 - 7, 2013

Summer Working Connections



Number of Attendees = 29



Track	Percentage
Mobile Application Development	45%
EMC Cloud & Infrastructure Services	34%
Ethical Hacking	21%

Track Information

Mobile Application Development – Sponsored by the State of Michigan and the instructor is Judy Lipinski

EMC Cloud – Providing the instructor – Kathy O’Neill

Ethical Hacking – Sam Bowne from City College of San Francisco

Lunch Speakers

Alan Rowland – CompTIA
 Joe Napieralski – Smart Building Services
 Bill Saichek – Orange Coast College
 Jake Shea – EMC Corporation



BILT Engagement

- The CIT program at Lansing Community College continues to have twice yearly Advisory Committee meetings with our Business and Industry partners
 - Employer surveys and feedback
 - Faculty discuss what we are doing to insure student success
 - We also do a “round robin” session in which the employer representatives get to introduce themselves to the group, talk about their business and what they do, and provide a brief description of their current and future hiring plans and needs



BILT Engagement

- Planned for May 2014, the networking and support faculty will host a targeted focus group of local BILT members to discuss the specific needs of the networking arena which also includes several Convergence Technologies
 - During this meeting we review the industry trends and skills that our students will need now and in the immediate future
 - Includes review of the Job Skills Analysis worksheet



Professional Development

- Working Connections North provided faculty development in new and emerging technologies
- I attended two Working Connections events and also received industry certification in Cloud, Mobility, and Storage
- I was asked to join the national CompTIA Academic Partner Focus Group which was limited to 10 members by invitation only
- CIT faculty:
 - Joe Werner attended the Colloquium for Information Systems Security Education (CISSE) and the 2013 Michigan Cyber Summit hosted by Governor Rick Snyder
 - Cameron Dean attended EMC Cloud at WC North
- They both attended:
 - Cisco instructor training for the new Cisco CCNA curriculum
 - VMware vSphere 5.1 training



Virtual Lab

- LCC became an EMC Academic Partner
- Planning to launch the EMC Information Storage and Management course during the next academic year
 - We will be utilizing NetLab for the hands-on section of these courses
 - Our CCN partner Florida State College at Jacksonville has agreed to host our labs and will let us utilize their equipment for student use



Future Focus and 12 month Goals

- **Meeting the employment needs of local business and industry**
 - Continue to evaluate the course and curriculum outcomes to ensure they are aligned with the needs of business and industry
 - Twice yearly advisory meetings and annual focus groups where a Job Skills Analysis can be completed
 - Continue to observe industry trends and track regional and local job postings



Future Focus and 12 month Goals

- **Improve recruitment of students into our technology program**
 - Use college resources for opportunities to recruit and retain underserved students
 - Attend recruitment activities that are scheduled by the college recruitment office
 - Travel to local high schools/ISDs to promote our network and convergence programs
 - Travel to regional conferences/workshops to promote the Convergence College Network
 - Continue to create partnerships with 4 year universities for articulation opportunities



Future Focus and 12 month Goals

- **Update the curriculum to reflect the in-demand skills that are required by industry**
 - Continue to form academic partnerships with major technology companies
 - VMware, EMC, Cisco, and CompTIA
 - Propose and launch courses that meet the needs of industry
 - Storage Management – EMC-ISM course
 - Cloud Technologies – Two options
 - EMC Cloud and Infrastructure Services
 - CompTIA Cloud+ certification exam
 - Mobility (Network support and security of BYOD)
 - Mobile Application Security



Future Focus and 12 month Goals

- **Update the curriculum to reflect the in-demand skills that are required by industry**
 - Curriculum challenges
 - We do not have the enrollment numbers to support multiple networking, convergence, and security degrees
 - Create three specialty certificates that will directly articulate into a single IT networking degree
 - Computer networking with a specialty in administration
 - Computer networking with a specialty in convergence
 - Computer networking with a specialty in security
 - As always, we will make use of local business feedback as we move forward with the curriculum revisions

