



NATIONAL
CONVERGENCE
TECHNOLOGY CENTER

Diversity
SUMMIT

“Diversity Summit” April 6, 2018

5th Quarterly Meeting

Rules of Engagement

1. **Mute your phone** if you're not talking – on WebEx, that's *6.
2. You have to **pick an audio channel** – you can't listen on your phone and also listen through your computer. That creates an echo.
3. Feel free to speak up, but always **say your name** so everyone knows who's speaking.
4. **Do not put us on hold.** We don't want to hear your hold music.
5. We'll be monitoring the WebEx "**Chat**" tool for questions. Send your comments and questions to the Host. Do not send messages to us via e-mail.
6. Whether you say "present" or not during roll call, **write your name and school** via the chat box. We want everyone to get credit.



AGENDA

1:00pm-1:15pm, CTC update

- * Extension teams
- * HI TEC conference
- * Calendar

1:15pm-2:00pm, Team reports

2:00-2:15pm, Q&A



Extension teams

Marshalltown Community College

North Arkansas College

San Jacinto College – South Campus

University of North Texas

Volunteer State Community College

>>Ended February 28: Kirkwood, Lake Washington, Lansing,
Tallahassee



HITEC conference

July 25-26, 2018 (Wed/Thu) - Miami, FL

Breakout session “Successful Strategies to Recruit and Retain Underserved Students and to Prove the Strategies Work”

Extension

Extended grant timeframe to June 30, 2018 to show full impact through spring

Can spend approved action plan funds through June 30

Updated calendar:

March 1, 2018 through June 30, 2018	due Mon July 9
Final report	due Fri Aug 3
Cohort web meeting - wrap	Aug-Sept
Individual “exit interview” phone call	TBD



Team Reports

Seven minutes each

** How specifically are you planning to present your Diversity Summit data and success to your administration/budget committees?*



Marshalltown

Student mentoring – adjusted action plan goals

Patrick Kennedy (Dean of Academic Affairs) will present the impact data to his boss, the Provost of his campus. They meet regularly every two weeks. She has the authority to change the institutional budget.

Their budgeting process for 2018-19 has just started.

North Arkansas

Janet McMurrin co-taught A+ last fall as part of the DS grant.

She will begin teaching the A+ course on her own the upcoming fall semester, and she has also recently added Intro to Programming (Python) to her usual teaching load. Based on these course additions, the college is already beginning to commit a large portion of her salary to these courses.

San Jacinto

Concentrated on Internship Opportunities, especially Virtual Internships
I now have 2 Virtual Internship Project-based classes per semester.
Looking at creating an Practicum alternative Hybrid class with
virtual internships for students that do not have the time to do actual
internships

Student workers -- now have 4 FWS student positions allocated for our
department.

Taking advantage of existing STEM Out-reach programs

Biggest issue: Faculty and Personal Burn-Out



University of North Texas

Institutionalizing Diversity Recruiting

- * Create a “catalog” of the events conducted and the attendance
- * Correlate the events against freshmen enrollments
- * Work with the Dean and the College Recruiters to continue these events
- * Work to re-establish Department Outreach committee and efforts based on these results



Accomplishments

- Our IT faculty have conducted 23 high school and middle school classroom visits within our service area
- CIT Department participated in a Science Olympiad K-12 program for our service area students
- NEW Publications!
- Upcoming IT Open House – April 10

Make IT Happen

with a career focus in

COMPUTER INFORMATION TECHNOLOGY



Do you dream of becoming a force for good in the online world?

Do you like solving problems?

Ever Imaging developing the next must-have technology and what you'd have to do to

Make
IT
Happen?



Why should young people consider careers in Information Technology?

- IT** **Is Important.** You can use your skills to help solve pressing problems in a variety of fields.
- IT** **Is creative.** You can use your creativity in many different jobs and roles; you will always find new challenges in your work.
- IT** **Is team-oriented.** You will do much more than use a computer. You will work with others as a part of a creative team.
- IT** **Is valued, respected and flexible.** You will enjoy challenging work in a well-respected field that pays well and often offers flexible hours.
- IT** **Is everywhere.** Most 2- and 4-year colleges offer programs in computing

Are any of these true for you?

- Are you somebody who enjoys finding better ways to get things done and wonders how you might use that in a job?
- Are you interested in understanding how technology can help solve some of the world's pressing problems?
- Do you want a good job with good pay, soon?
- Are you interested in staying local?
- Are you looking for an affordable start to your college education?

If you've answered yes to these questions, then you might want to enroll in a community college. By enrolling in a college such as Vol State, you can pursue these IT and computing career paths:

Here's an example of "happening" job titles, projected growth and salary information in the CIT career field:

With a two-year degree or technical certification...

Sample Job Titles	Projected Growth 2012-2022	2012 Average Annual Wage
Computer Support/ Help Desk Specialist	17%	\$48,900
Network Technician	17%	\$48,900
Nuclear Medicine Technologist	20%	\$70,180
Medical Record, Health Information Technician	22%	\$34,160
Environmental Engineering Technician	18%	\$45,350

With a four-year or advanced Computer Science degree...

Sample Job Titles	Projected Growth 2012-2022	2012 Average Annual Wage
Information Security Analyst	37%	\$89,170
Web Developer or Web Site Manager	20%	\$62,500
Database Administrator	15%	\$77,080
Network & Computer Systems Administrator	12%	\$72,560
Software Developer, Software Engineer	22%	\$93,350
Computer Systems Analyst	25%	\$79,680
Computer Research Scientist	15%	\$102,190



What do you need to do to get started now to

Make IT Happen?

1. **Take math, IT and computer science classes.**
2. **Keep taking math classes.** Math skills are important in many jobs. Taking these classes will help keep options open.
3. **Join after-school computing or technology clubs.** Also look for summer computing camps. IT is fun and opens up a world of possibilities.
4. **Do research and meet with advisors at Vol State.**
 - a. Ask about certification programs at www.volstate.edu
 - b. Learn which courses apply to a for-year degree or major through Tennessee Transfer Pathways.
 - c. When you're a senior in high school, apply for admission to Volunteer State Community College.

The Computer Information Technology (CIT) program at Vol State has five concentrations for the associate of applied science (AAS) degree: Networking, Programming, System Analyst, Systems Administration and Management, and Cyber Defense. In addition, the college also offers a number of courses which prepare students to sit for industry recognized certifications.

Did you know?

IT and computing jobs are among the fastest growing jobs in the United States. Average projected growth of all U.S. occupations between 2012-2022 is 11%. Jobs in computing and IT are expected to increase by 18% in the same period.

CIT CYBER DEFENSE

The Cyber Defense Concentration will focus on topics in cyber security and digital forensics. The students will learn how to fortify computer networks in order to prevent security breaches from cyber terrorists or other intruders. In addition, students will learn how to recover data using digital forensics techniques. Students will also develop strong critical thinking skills and will learn by doing within a hands-on lab environment along with real-world internship experiences.

CIT NETWORKING

Students in the Networking Concentration will complete coursework and hands-on experiences in planning, design, implementation and maintenance of networks of different sizes. In addition to networking skills, students will also complete Computer Science coursework in security, operating systems, server management, and programming. In combination with other technology courses.

CIT PROGRAMMING

This concentration is a preparation for a career as a programmer or software engineer. Emphasis is placed on issues

related to knowing how to use the features of object programming languages like Java, the design and implementation of classes and objects, the process of developing and maintaining software. Students will also develop strong critical thinking skills and will learn by doing along with real world internship experiences.

CIT SYSTEM ANALYST

The Systems Analyst concentration prepares the student to solve computer problems and apply computer technology to meet the needs of their organization. The concentration includes diverse disciplines to enhance the communication, research, business, and technology skills of the student. Required courses are Programming I, Advanced Database Concepts, .Net Programming and Project Management.

CIT SYSTEMS ADMINISTRATION

The Systems Administration & Management Concentration focuses on the design, implementation, management and troubleshooting of computer systems. Required courses prepare students to acquire, install, configure, upgrade and secure standalone, networked and mobile systems.



Two Years Can Change Your Life

Business and Technology Division

Information Sessions

Mattox Building, Room 104

Tuesday, April 10, 2018

Top of every hour: 9:00am - 6:00pm



VOLUNTEER STATE

Reconnect

Small Steps Can Yield Big Rewards

Let us help you with the first steps



Strategy Moving Forward

- College leadership is involved in the grant and supportive of initiatives moving forward.



Q&A



Thank you!

Wrap-up meeting:
TBD pending Doodle Poll
likely Aug-Sept 2018

*copy of this presentation will be placed
on Diversity Summit wiki page*



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