

# Cloud and Emerging Convergence Training Strategies



11-15-12



DUE 1205077

# NISGTC Partners

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# Leads

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- ▶ Bunker Hill and Bellevue – Computation including database, mobile app development, business analytics
- ▶ Collin - Convergence (Network Infrastructure Support aka ICT)
- ▶ Del Mar College – Geospatial Technologies
- ▶ Moraine Valley – Cyber-security



# Strategies for Priority 1: Accelerate Progress for Low-skilled and Other Workers

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**1.1 Enhance and Expand Outreach and Recruitment for Trade-Impacted an Workers and Underrepresented Workers in the IT Industry**

**1.2 Develop and Integrate Web-enabled contextualized Bridge Courses**

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# Strategies for Priority 2: Improve Retention and Achievement Rates to Reduce Time to Completion

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2.1 Create and Enhance Retention Services and Tools Using Social Media

2.2 Align Competencies for Articulation to Advanced Educational Opportunities



# Strategies for Priority 3: Build Programs that Meet Industry Needs, Including Developing Career Pathways

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**3.1 Engage Industry Leadership to Align Skills and Competencies**

**3.2 Develop and Deliver New and Enhanced IT Curriculum and Instruction**

**3.3 Strengthen Career Pathways and Create Industry-Recognized IT Credentials**

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# Strategies for Priority 4: Strengthening Online and Technology-Enabled Learning

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## 4.1 Implement Hands-On & Technology-Enabled Training Delivery Mechanisms To Improve Learning

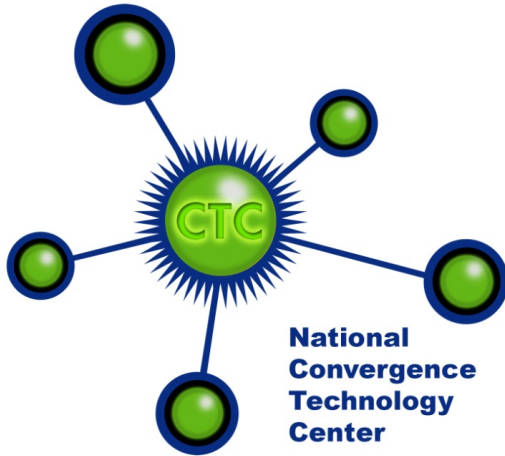


# Opportunities for you

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- ▶ New curriculum will be “open source”
- ▶ Bridge online success modules
- ▶ Bridge online reading, writing, math modules
- ▶ Over 20 new and totally online courses
- ▶ Stackable certificate models
- ▶ NTER courses will be available to you (as is the platform)
- ▶ Virtual labs created under this grant will be available to you (those that are non-proprietary) when you purchase the NetLab appliance
- ▶ Updated DOL IT Competency Model will be available
- ▶ National BILT results will be available

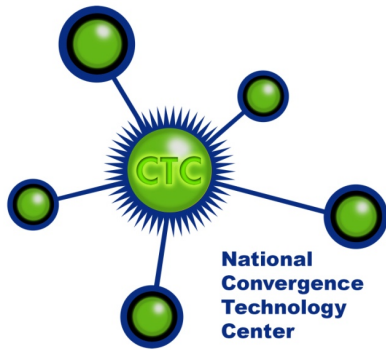




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# National Center for Convergence Technology Collin College

11-15-12



# CTC Partners



El Centro College

DALLAS COUNTY COMMUNITY COLLEGE DISTRICT



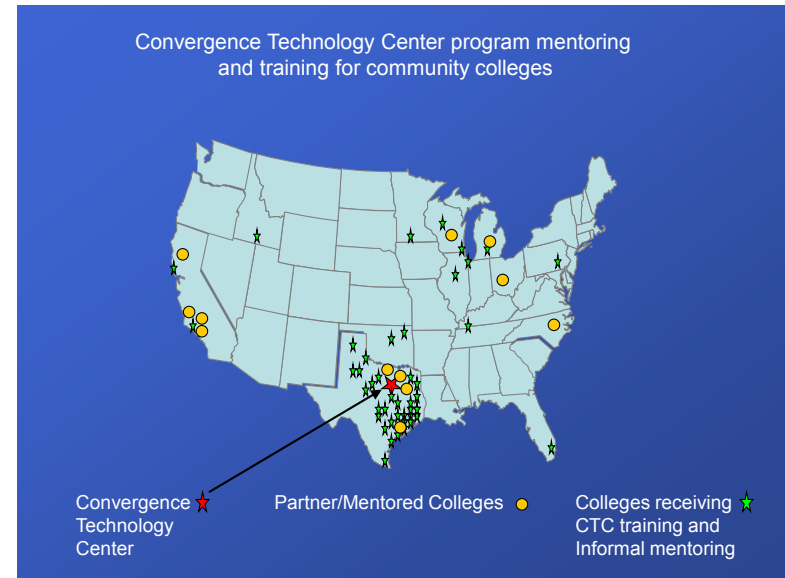
**COLLIN  
COLLEGE**

**UNT** UNIVERSITY OF NORTH TEXAS  
Discover the power of ideas.



# 24 Convergence Colleges in Network

- Orange Coast College
- Santa Ana College
- Guilford Technical College
- City College of San Francisco
- Ohlone College
- Fox Valley Technical College
- Clark State Comm. College
- Lansing Community College
- Tarrant County College
- Northwest Vista College
- Porterville College
- Louisiana Technical College
- San Jacinto College
- Diablo Valley Community College
- John A. Logan College
- Florida State College, Jacksonville
- Brevard Community College
- Seminole State College

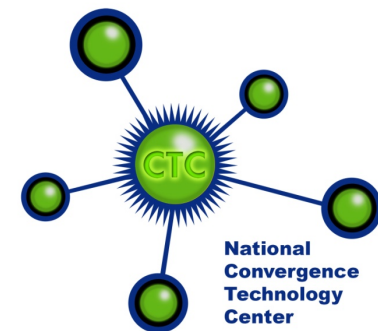


- Anne Arundel College
- Wiregrass Georgia Technical College
- Cleveland Community College
- Polk State College
- Daytona State College
- College of the Ozarks

# National CTC Goals

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- Create convergence degrees and certificates driven by business need
- Provide professional development for faculty
- Recruit and retain underserved students
- Disseminate products and services



# New programs require

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- ▶ Courses, certificates, and degrees
- ▶ Faculty who are trained
- ▶ Equipment

And mentoring to make it happen fast!



# What the CTC provides

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- Job Skills List that has been regionally validated
- Process and help for validating skills in mentored college region
- Degree and Certificate Patterns
- Curriculum in a box for new courses
- Detailed syllabi with learning outcomes
- Learning/Lab Activities
- Assessments
- Case Studies



# What the CTC provides

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- A lead faculty member to assist
- PI or grant staff as an administrative contact
- Training for faculty through summer institute
- Equipment list
- Recruitment plans and event details



# Convergence College Network (CCN)

## College Commitment:

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- Equipment and support for a lab (varies by depth and breadth of programs needed in your region)
- Lead faculty member
- Other faculty interested in being trained and in implementing the program
- Faculty and administrative time available to work with CCN college representatives
- Active and involved Business & Industry Leadership Team (built with CTC help)



# Convergence College Network (CCN) College Commitment:

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- Validate job skills with Business & Industry Leadership Team
- Develop and implement a degree and/or certificate plan based on validated skills
- Develop and implement a student recruitment plan
- Provide brief, quarterly reporting to CTC



# Working Connections Addresses Helping Faculty to Teach New Courses/Programs

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- ▶ **Winter Working Connections 2012**
  - ▶ December 17, 18, 19
- ▶ **12<sup>th</sup> Annual Working Connections**
  - ▶ July 8-12, 2012
  - ▶ Convergence College Network Meeting July 13
- ▶ NSF wants to know impact, not just numbers of people in seats!
- ▶ Professional Development intended for faculty who will **TEACH** the subject they are learning and will report impact on students

# Questions (and Answers)

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