Cloud and Emerging Convergence Training Strategies

11-15-12
Leads

- 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

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

1.2 Develop and Integrate Web-enabled contextualized Bridge Courses
Strategies for Priority 2: Improve Retention and Achievement Rates to Reduce Time to Completion

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

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

4.1 Implement Hands-On & Technology-Enabled Training Delivery Mechanisms To Improve Learning
Opportunities for you

- 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
National Center for Convergence Technology
Collin College

11-15-12
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
- Wiregrassin Georgia Technical College
- Cleveland Community College
- Polk State College
- Daytona State College
- College of the Ozarks
National CTC Goals

- 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

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

And mentoring to make it happen fast!
What the CTC provides

- 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

- 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:

- 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:

- 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

- Winter Working Connections 2012
  - December 17, 18, 19
- 12th 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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