



MISSISSIPPI
DEPARTMENT OF
EDUCATION

Ensuring a bright *future* for every child



7th Annual Manufacturing Summit

Franklin Center
Mississippi State University

March 22, 2017



THE WORLD IS FLAT

- ◉ In his seminal book on the subject of the global economy, Thomas Friedman told us:
- ◉ The Internet and Windows operating systems have changed the way everyone does business.
- ◉ Funds, offices and people are increasingly mobile across countries and continents.



A WHOLE NEW MIND

- ◎ Continuing the conversation on the global economy, author Daniel Pink was concerned about:
 - ◎ 1. Automation
 - ◎ 2. Abundance
 - ◎ 3. Asia

- ◎ America's Big Advantage - Creativity



PATHWAYS TO PROSPERITY

- ◉ Harvard University's Graduate School of Education authored a report in 2011 stating:
- ◉ Complete Change in the Population of the Job Market
- ◉ Dramatic Increase in "Middle Skill" Occupations
- ◉ Young Adults not prepared for the work force
- ◉ Multiple Pathways can lead to better prepared students
- ◉ http://www.gse.harvard.edu/news_events/features/2011/Pathways_to_Prosperty_Feb2011.pdf

TRADITIONAL CTE PROGRAMS WITH A 21ST CENTURY TWIST



- Agriculture
- Welding
- Manufacturing
- Automotive Service Technician
- Construction





BACCALAUREATE AND ABOVE

- ◉ Robotics/Engineering
- ◉ Simulation, Animation and Design
- ◉ Polymer Science
- ◉ Health Science (Multiple New Tracks)
- ◉ Teacher Academy



NEW AND EMERGING PROGRAMS

- ◉ Law and Public Safety
- ◉ Transportation/Logistics
- ◉ Energy
- ◉ Aquaculture
- ◉ Heavy Machinery



CAREER PATHWAY EXPERIENCE

- ◉ Paid Employment
- ◉ Internships
- ◉ Job Shadowing
- ◉ Third Year Student

- ◉ Next Steps
- ◉ Entrepreneurship
- ◉ Service Work



NATIONAL CERTIFICATIONS

- ◉ NCCER
- ◉ ASE
- ◉ Microsoft's MTA Certification
- ◉ Microsoft's MOS Certification
- ◉ Strata Fundamentals
- ◉ National Restaurant Associations' Pro Start Exam
- ◉ Global Logistics Examination
- ◉ FEMA and CERT - Law & Public Safety
- ◉ Energy Industry Fundamental Certificate

CONTACT INFORMATION



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