President Mike Cartney | Watertown, SD
WORKFORCE INNOVATION THROUGH TECHNICAL EDUCATION

SD Technical Institutes

Panel Discussion on Workforce Development
STRENGTHENING & INCREASING SOUTH DAKOTA’S WORKFORCE

• Educate **6,300 students** each year

• Provide technically skilled degrees (AAS degrees, diplomas, certificates)

• Offer a cost effective & timely route to successful, fulfilling employment
NATIONALLY RECOGNIZED

BEST COLLEGES.COM

TOP 50 BEST VALUE COLLEGES

ASPIN PRIZE FOR COMMUNITY COLLEGE EXCELLENCE

TOP 150

BEST & WORST COMMUNITY COLLEGES

ACT

MILITARY FRIENDLY SCHOOL

smartasset™

National Community College Benchmark Project
TECHNICAL INSTITUTE’S STRATEGIC PLAN

• **Overarching Goal:** Provide quality postsecondary education and training to enable South Dakota’s workforce and economy to grow.

• **Product:** Grow a technically skilled workforce prepared to meet the challenges of industry and continuing education.

• **People:** Lead a system with the appropriate quality and quantity of instructors, staff and administrators.

• **Plant:** Ensure facilities are adequate, safe and capable of meeting evolving industry demands and are conducive to learning.
PRODUCT

Grow a technically skilled workforce prepared to meet the challenges of industry and continuing education.
Public Safety--
Fire Science, Criminal Justice, Law Enforcement, EMT & Paramedic

Allied Health—
Surgical technician, phlebotomy, practical nursing, medical assisting, medical information and coding, pharmacy technician, dental assisting, and medical lab technician

Technology—
Computer information technician, environmental engineering, computer-aided drafting

Trades—
Automotive technician, diesel technician, electrician, HVAC-R, welding and fabrication, precision machining
NEW PROGRAMS

Medical Lab Technician
*24 Students Enrolled

Dental Assisting
*22 students enrolled
• Economic Impact of Southeast Tech this past year:

Student Spending
Rent, Food, Living Expenses, Gas and Transportation: $30,750,000

Staff and Faculty Payroll: $14,974,000

Southeast Tech Purchases: $28,282,000

Construction & Renovation: $20,733,000

Total: $94,739,000

Chamber of Commerce estimates a dollar spent in a region has a residual effect of 5 to 7 times its original value.

Using the value of 5, the extended economic impact of Southeast Tech in the Sioux Empire is: $473,695,000 annually!
PRODUCT

- Southeast Tech consistently produces approximately 800-900 new graduates every year.

- 96% of graduates were employed within 6 months of graduation
- 94% in their field of study
- 74% of those employed remain to live and work in South Dakota
PRODUCT

• **30 programs in six divisions**
  • One-third of MTI programs are unique in South Dakota

• **Fall 2016-New Programs:**
  • GPS GIS Mapping Technology
  • SD Leadership Academy

• **Fall/Summer 2017-New Programs:**
  • Licensed Practical Nursing
  • Professional Truck Driving
  • Registered Power Line Apprenticeship

• **Fall 2017-Program revision:**
  • Natural Gas Technology
PRODUCT

• Institutional Effectiveness & Program-level Assessment

• Persistence & Completion Academy

• The Center for Student Success

• Advanced Technical Education –
  Registered Apprenticeships
  SD Leadership Academy
  SD Center for Farm/Ranch Management
Programs Offered…

- Agriculture
- Automotive Technology
- Aviation Maintenance Technology*
- Building Trades Technology
- Business Associate
- Computer Information Systems
- Cosmetology
- Custom Paint and Fabrication
- Dental Assisting*
- Diesel Technology
- Electronic Systems Technology
- Energy Technology*
- Energy Operations*
- Environmental Technology*
- Financial Services
- Human Services Technician
- Law Enforcement
- Med/Fire Rescue Services
- Medical Assisting
- Medical Lab Technician
- Med/Fire Rescue
- Occupational Therapy Assistant*
- Physical Therapist Assistant*
- Practical Nursing
- Precision Machining
- Robotics*
- Welding Technology

*Unique program – not offered elsewhere in South Dakota
PRODUCT

- 53% of Students in Build Dakota Programs
- Community Health Care Worker
  - Fall 2017
- Refining Success and Low-income Student Initiative
- National Initiatives:
  - It’s On Us
  - Heads Up America
  - Aspen Partner
Education is Economic Development
The national average was 19.4%. ND came in 2nd behind SD at 40.9%.

NOTE: Sisseton-Wahpeton Tribal College’s graduation information was included in the SD 2-year public college report.

Source: The Chronicle of Higher Education
We must **INCREASE SKILLED GRADUATES** to meet South Dakota’s economic demand.

![Job Demand Tech Graduates]
South Dakota is at a workforce deficit in technically skilled fields.
THE CHALLENGE REMAINS THE SAME:

Independent Consultants referring to South Dakota’s Technical Education:

“...With one exception, Montana, South Dakota has the lowest percentage of enrollment in 2-year colleges, 15%. ...the imbalance between these numbers seems to ignore the reality of present and future workforce needs. According to the latest US Bureau of Labor Statistics report shows that less than a quarter of jobs in 2018 will require a 4-year degree or higher. This data also shows that the jobs requiring an Associate’s Degree or certification will be the fastest growing segment of need.”

-- Pressing the Advantage: A Regional Growth Strategy for the I-29 Corridor, May 2010
THE CHALLENGE REMAINS THE SAME:

“..of the 31 million jobs created by 2018 that will require post-secondary degrees...nearly half of those will go to people with an associate’s degree or occupational certificate. Most of these will be in ‘middle-skilled’ occupations.”

—Georgetown Center on Education & Workforce
Increasing our Graduates

SD technical institutes produce 25% of all postsecondary diploma/degree graduates in the SD public higher education system.²

Underserved Populations

Low Income

- 51% of TI students receive a Pell grant

- 86% of Tech students are federal loan borrowers

Integrated Postsecondary Education Data System (IPEDS). Number of undergraduate students receiving Pell grants (SFA1112).
KEEPING COLLEGE AFFORDABLE

• Governor’s Dual Credit Program
• State’s Tuition Buy down Efforts
• Local Efforts/Efficiencies
• Innovation
Techs have a strong ROI for South Dakota:

- 96.44% of 2015 graduates are placed (employed/cont ed)
- 83% stayed in state (employed or continuing ed)
- 88% employed in Field
- Of employed, 83% stayed in state & working in field of study
- Highest completion rate in nation 2016
- More than 2,000 each year enter the SD workforce
The Build Dakota Scholarship offers full-ride scholarships to students attending high-demand programs at one of South Dakota’s four technical institutes. In return, the recipient agrees to work in South Dakota in that field for three years.

**ELIGIBLE PROGRAMS**
- Agriculture
- Automotive
- Building Trades/Construction
- Energy Technicians
- Engineering Technicians
- Healthcare
- Information Technology/Computer Information Systems
- Precision Manufacturing
- Welding

**YEAR 1**
- 1090 Applicants
- 298 Full-Ride Scholarships
  - 263 In-State
  - 35 Out-of-State

**YEAR 2**
- 1252 Applicants
- 299 Full-Ride Scholarships
  - 252 In-State
  - 47 Out-of-State

**YEAR 3 - LOOKING AHEAD...**
- Applications open Jan 1st - March 15th
- Changing perceptions of technical education and careers.
- Cultivating relationships between technical institutes and SD business/industry to address skilled workforce shortage.
- Continued growth of Build Dakota industry partner programs:
  - Lake Area Tech: Stretch-the-Million
  - Mitchell Tech: Double Edge
  - Southeast Tech: Sponsor-a-Scholar
  - Western Dakota Tech: Have Your Pick
Build Dakota Scholarships

www.builddakotascholarships.com

“CALLING ALL SKILLED SCHOLARS”

AND EMPLOYERS – Ask about our Partner Programs
PEOPLE

- Instructor Salary Support Funds

THANK YOU

Impacts = LIFE CHANGING
Skilled Workforce Advocacy Council
Established in 2013, industry funded organization that was initiated by industry to support the Techs as the best solution for providing skilled technicians for South Dakota’s workforce.

President Mike Jamison
Executive Director Greg Von Wald
Ensure facilities are adequate, safe & capable of meeting industry demands & are conducive to learning.
CAMPUS FACILITIES

• 2016 Completion of 115,000 sq. ft. facility
  • New Auto Tech Lab – DOUBLES capacity
  • New Diesel Lab – Program expansion for Ag/Construction
• Campus food service
• Administrative offices
• Auditorium
CAMPUS FACILITIES
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• 2017 Renovation of the Ed Wood facility
  • Expands **Collision Program** and Refinishes Lab Space – DOUBLES program capacity
• **Campus Planning** – Short & Long Term Goals
  • Currently 2 Programs Off-Site
    • Butler Edge (Purchased building on west side of Mitchell)
    • Professional Truck Driving/CDL (Leasing building on south side of Mitchell)
  • LPN Program Lab and Faculty Offices needed Summer 2017
    • Renovating 2nd floor to accommodate new lab & faculty space
  • Current & Future Planning needs continue:
    • Utilization of existing facilities – Improve Maintenance & Repair needs
    • Utilization of existing campus property for future building expansions
PLANT

• LATI Campus Strategic Plan
  • 13 consecutive years of growth – 2033’s Student Population today
• Online and Hybrid
• Earn Where You Learn Initiative
Campus Plan Implementation Collaboration Players:

- Leadership Team
  - Overarching strategy and oversight
- Innovative Scheduling Committee
  - Making the most of the facilities we have today
  - Learn Where You Earn Initiative
- Creative Financing Advisory Group
  - Long term and near term funding approaches
- LATI Domino Committee
  - Where the rubber hits the road
FACILITIES – DIESEL TECH
FACILITIES – SIMULATION
FACILITIES – EVENT CENTER
YOUR ROLE

• Connections
• Partnerships
• Support
• Promotion

YOUR TECHS NEED YOU!!!
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