

# SOUTHEAST TECH

President Robert Griggs | Sioux Falls, SD



# WESTERN DAKOTA

## TECH

President Ann Bolman | Rapid City, SD

[LEARN.DO.NOW.](#)

[wdt.edu](#)





President Mark Wilson | Mitchell, SD





**LAKE AREA**  
TECHNICAL INSTITUTE

*It's your world.*

President Mike Cartney | Watertown, SD

# WORKFORCE INNOVATION THROUGH TECHNICAL EDUCATION

SD Technical Institutes

Panel Discussion on Workforce Development

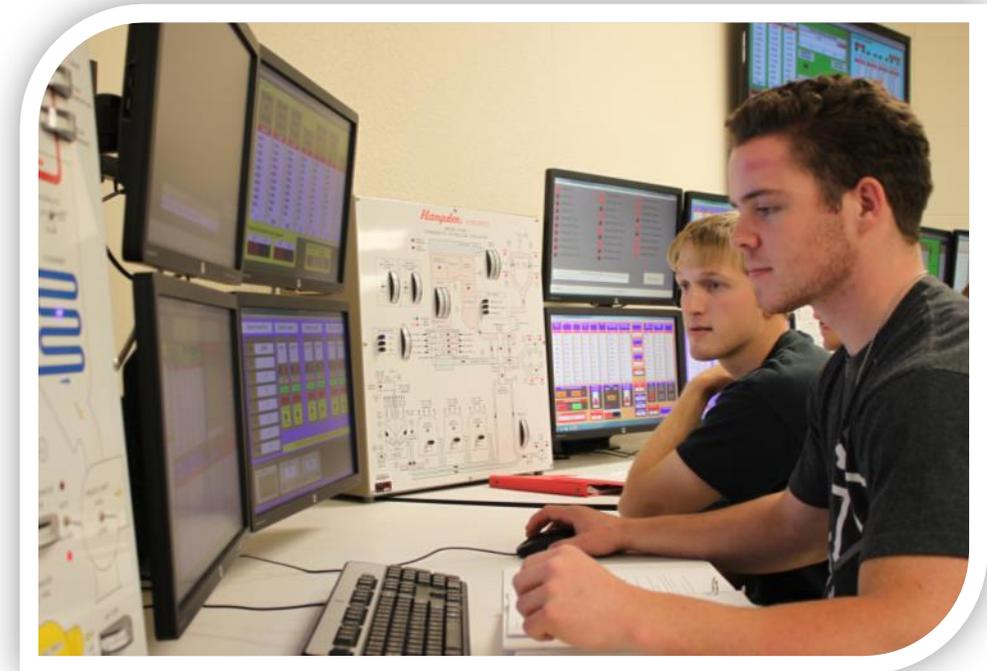


**SOUTHEAST  
TECH**

WESTERN  
**DAKOTA**  
TECH

# 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



# SDTECHs Work 2021

## 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.



# SDTECHS *Work* 2021



## PRODUCT

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



# WESTERN DAKOTA TECH

## 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



# SOUTHEAST TECH

## DEGREES & DIPLOMAS

All programs are AAS Degrees unless designated otherwise. On-campus daytime courses are available for all programs with the exception of Insurance specific courses. Programs that are offered as evening, hybrid and online courses are indicated by the key below.

KEY: ● Diploma ● Evening ● Online ● Hybrid ● Certificate

### BUSINESS



- [Accounting](#)
- [Administrative Assistant](#)
- [Business Administration](#)
- [Entrepreneurship](#)
- [Financial Services: Banking](#)
- [Financial Services: Insurance](#)
- [Healthcare Office Specialist](#)
- [Marketing](#)
- [Medical Coding: Professional and Facility](#)
- [Medical Coding: Professional Services](#)
- [Office Assistant](#)

### ELECTRONICS



- [Biomedical Equipment Technology](#)
- [Electronics Technology](#)
- [Mechatronics Technology](#)

### ENGINEERING TECHNOLOGY



- [Architectural Engineering Technology](#)
- [Civil Engineering Technology](#)
- [Construction Management Technology](#)
- [Land Surveying Science Technology](#)
- [Mechanical Engineering Technology](#)

### HORTICULTURE TECHNOLOGY



- [Horticulture Technology](#)
- [Landscape Design Technology](#)
- [Sports Turf Management](#)

### HUMAN SERVICES



- [Early Childhood Specialist](#)
- [Early Childhood Support](#)
- [Law Enforcement Science](#)

### INDUSTRIAL TECHNOLOGY



- [Electrician](#)
- [HVAC/R Technology](#)
- [Plumbing/Mechanical Systems Technology](#)
- [Residential Heating & Air Conditioning Technology](#)
- [Welding](#)

### INFORMATION TECHNOLOGY



- [Computer Network Security Technician](#)
- [Computer Programming](#)
- [Computer Technician](#)
- [Network Administrator](#)
- [Software Support Specialist](#)
- [System Administrator](#)

### MEDIA COMMUNICATIONS



- [Digital Media Production Technology](#)
- [Graphic Media Design Technology](#)

### TRANSPORTATION TECHNOLOGY



- [Automotive Technology](#)
- [Collision Repair & Refinish Technology](#)
- [Diesel Technology](#)
- [Diesel Technology: Agriculture/Construction](#)

### MEDICAL TECHNOLOGY



- [Cardiac Ultrasound Technology](#)
- [Certified Nurse's Assistant](#)
- [Diagnostic Medical Sonography](#)
- [ElectroNeuroDiagnostic Technology](#)
- [Healthcare Leadership](#)
- [Healthcare Office Specialist](#)
- [Invasive Cardiovascular Technology](#)

- [Licensed Practical Nursing \(LPN\)](#)
- [Nuclear Medicine Technology](#)
- [Pharmacy Technician](#)
- [Phlebotomy/Patient Care Technician](#)
- [Registered Nurse](#)
- [Surgical Technology](#)
- [Vascular Ultrasound Technology](#)

# PRODUCT

# SOUTHEAST TECH

- Economic Impact of Southeast Tech this past year:

Student Spending \$30,750,000

Rent, Food, Living Expenses, Gas and Transportation

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

# PRODUCT

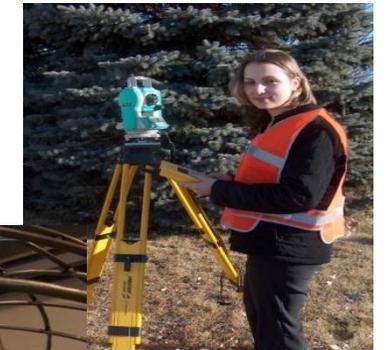
## Programs Offered...

- 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\*

\*Unique program – not offered elsewhere in  
South Dakota



- 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



# 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



# SDTECHS *Work* 2021



*Education is Economic Development*



# GRADUATION

graduation rates

▼ Compare state averages for 2-year public colleges.

The national average was 19.4%. ND came in 2<sup>nd</sup> behind SD at 40.9%.

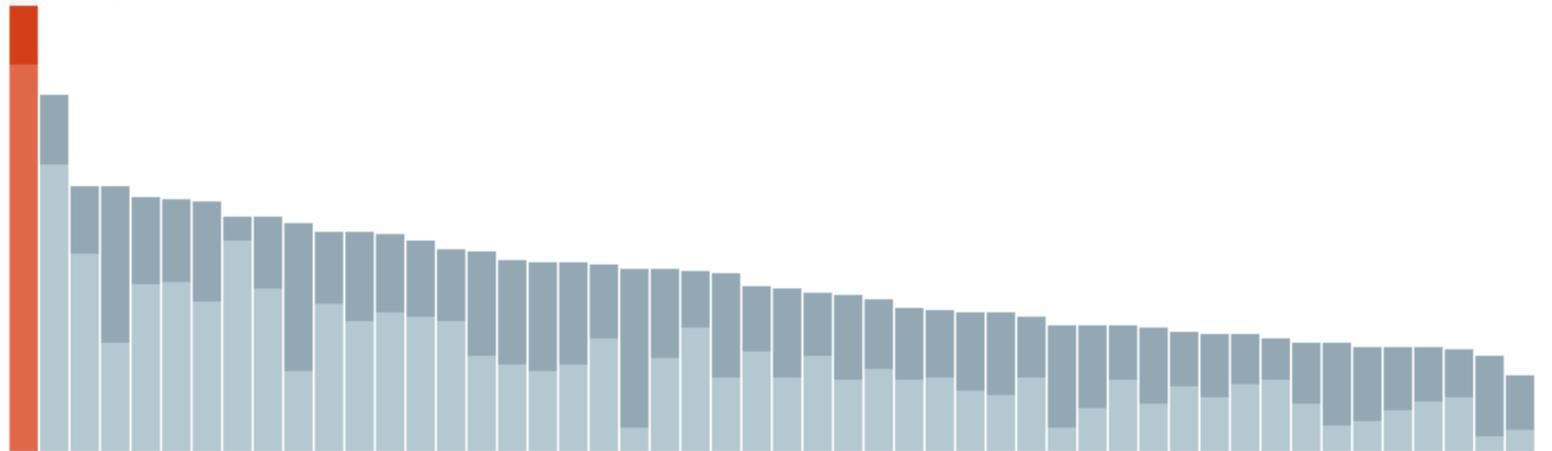
*NOTE: Sisseton-Wahpeton Tribal College's graduation information was included in the SD 2-year public college report.*

*Source: The Chronicle of Higher Education*

## South Dakota

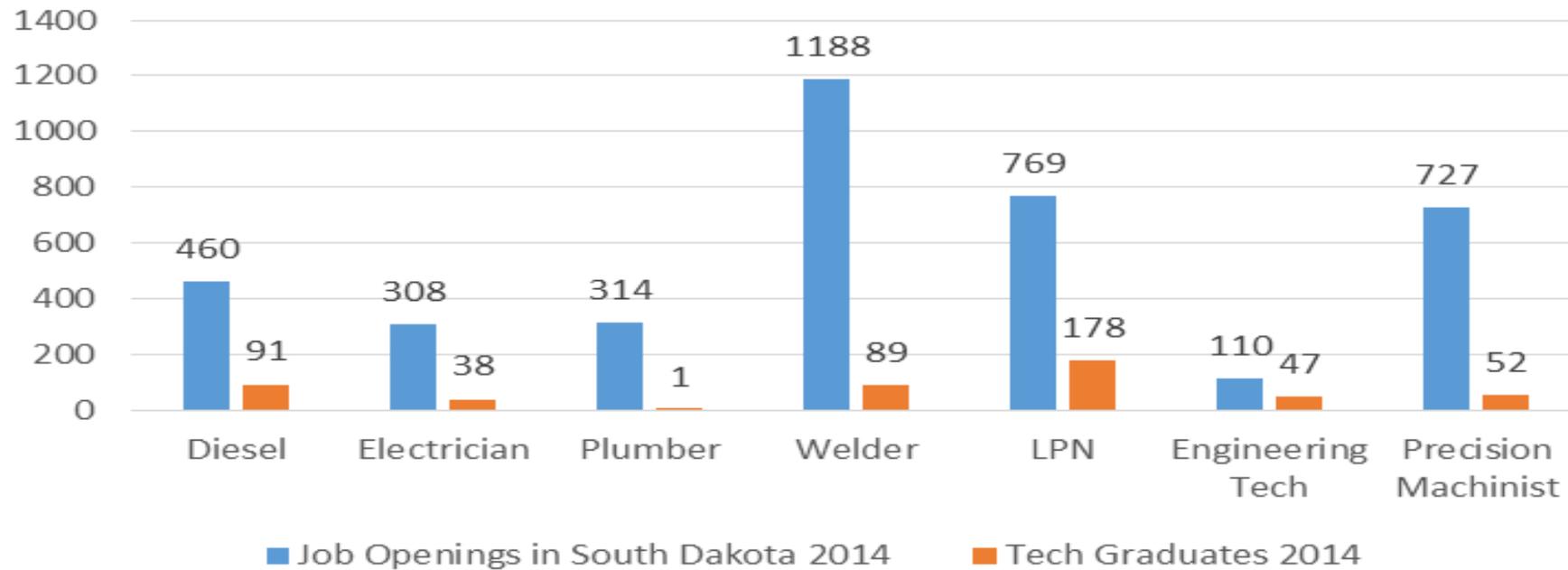
51.2% graduate in 150% time

44.5% graduate in 100% time

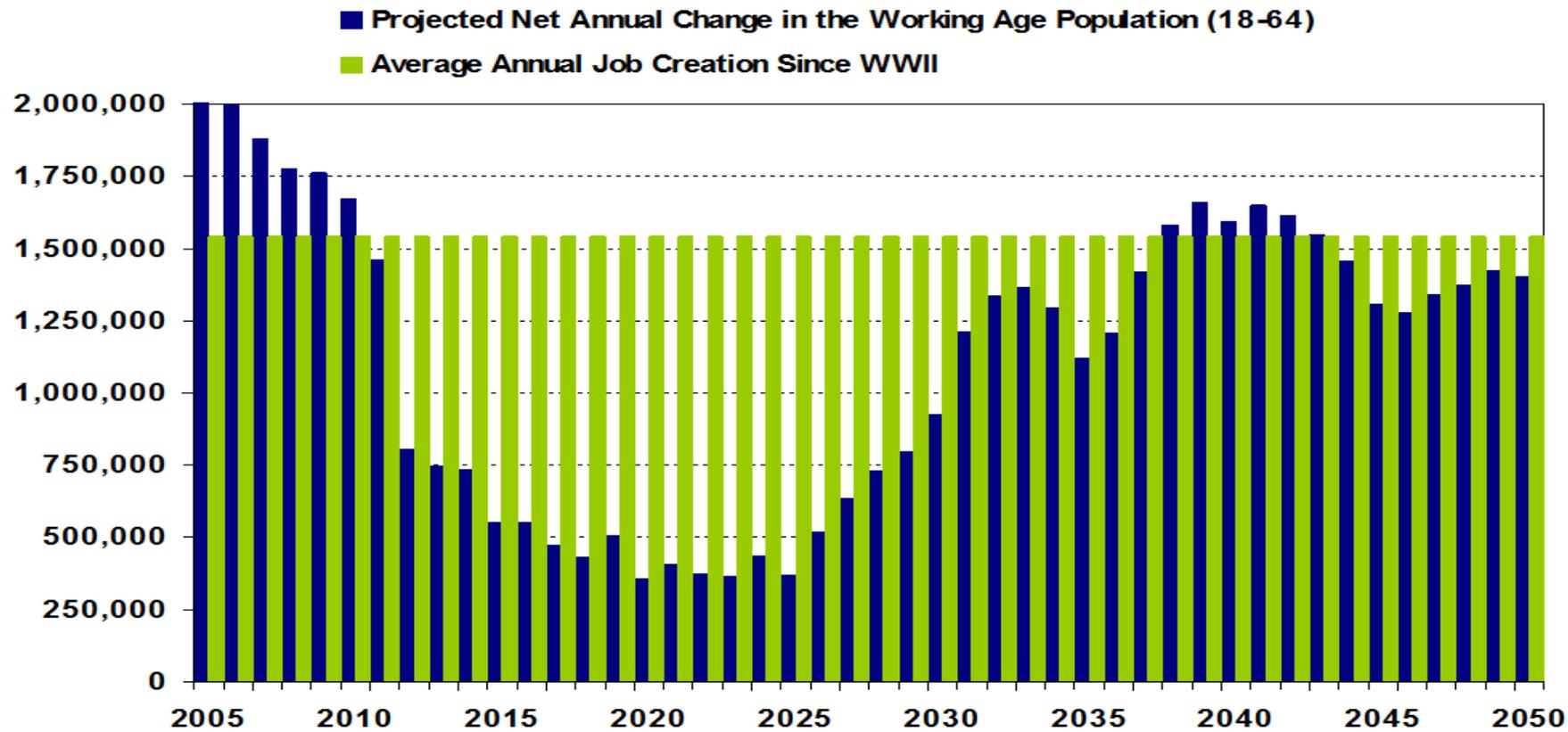


We must  
**INCREASE SKILLED GRADUATES**  
to meet South Dakota's economic demand.

Job Demand  
Tech Graduates



# Approaching Workforce Deficit



Sources: TIP Strategies; U.S. Bureau of Labor Statistics; U.S. Census Bureau

**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.”

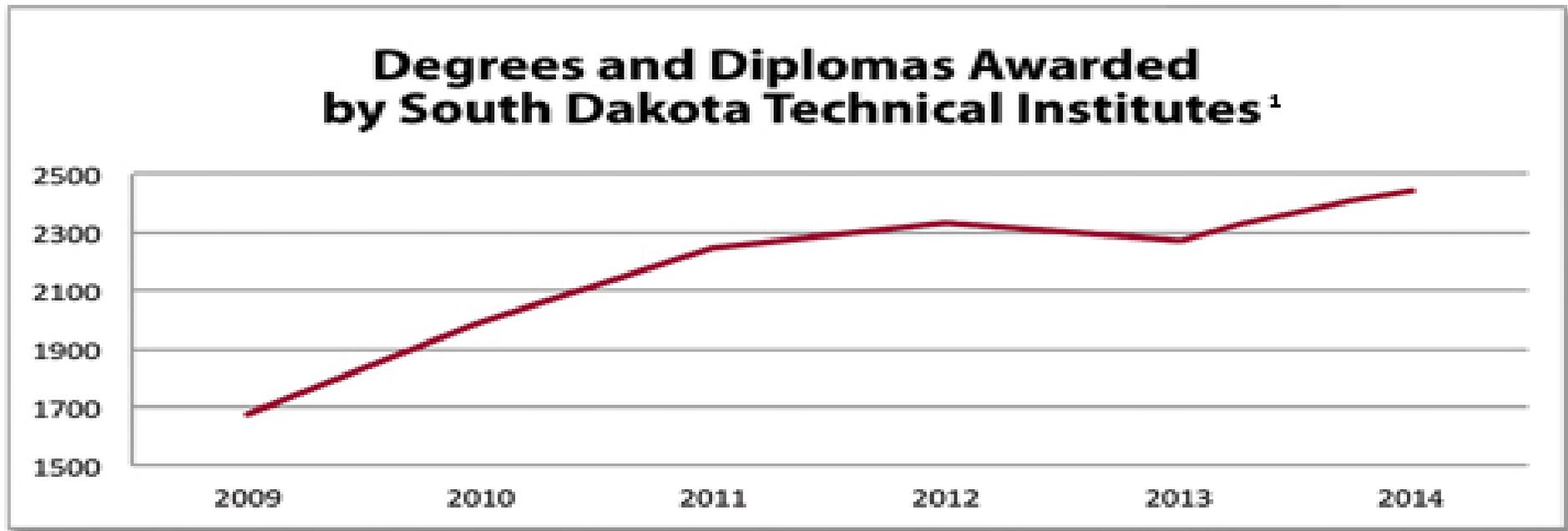
-- **Pressing the Advantage:** A Regional Growth Strategy for the I-29 Corridor, May 2010

# 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.<sup>2</sup>

<sup>1</sup>South Dakota Technical Institutes, Performance Indicator: Appendix A, 2014. <sup>2</sup>Integrated Postsecondary Education Data System (IPEDS). National Center for Education Statistics. FY2012.

# 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**

# What's the Bottom Line?

## 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

*South Dakota Technical Institutes Placement Report 2015 given to SD BOE.*

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 1<sup>st</sup> - March 15<sup>th</sup>
- 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](http://www.builddakotascholarships.com)

***“CALLING ALL SKILLED SCHOLARS”***

***AND EMPLOYERS – Ask about our Partner Programs***



# PEOPLE

- Instructor Salary Support Funds

THANK YOU

Impacts = **LIFE CHANGING**



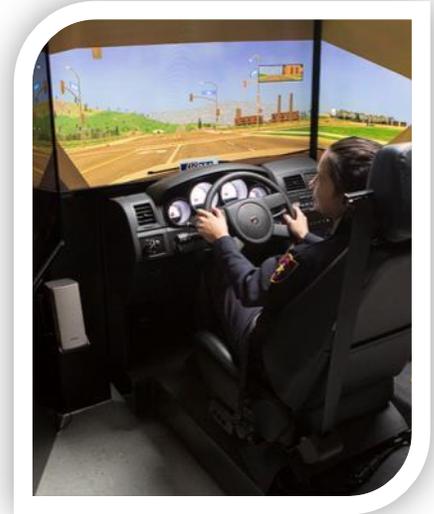
# ***Skilled Workforce Advocacy Council***

*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***

# SDTECHS *Work* 2021



## PLANT

*Ensure facilities are adequate, safe & capable of meeting industry demands & are conducive to learning.*

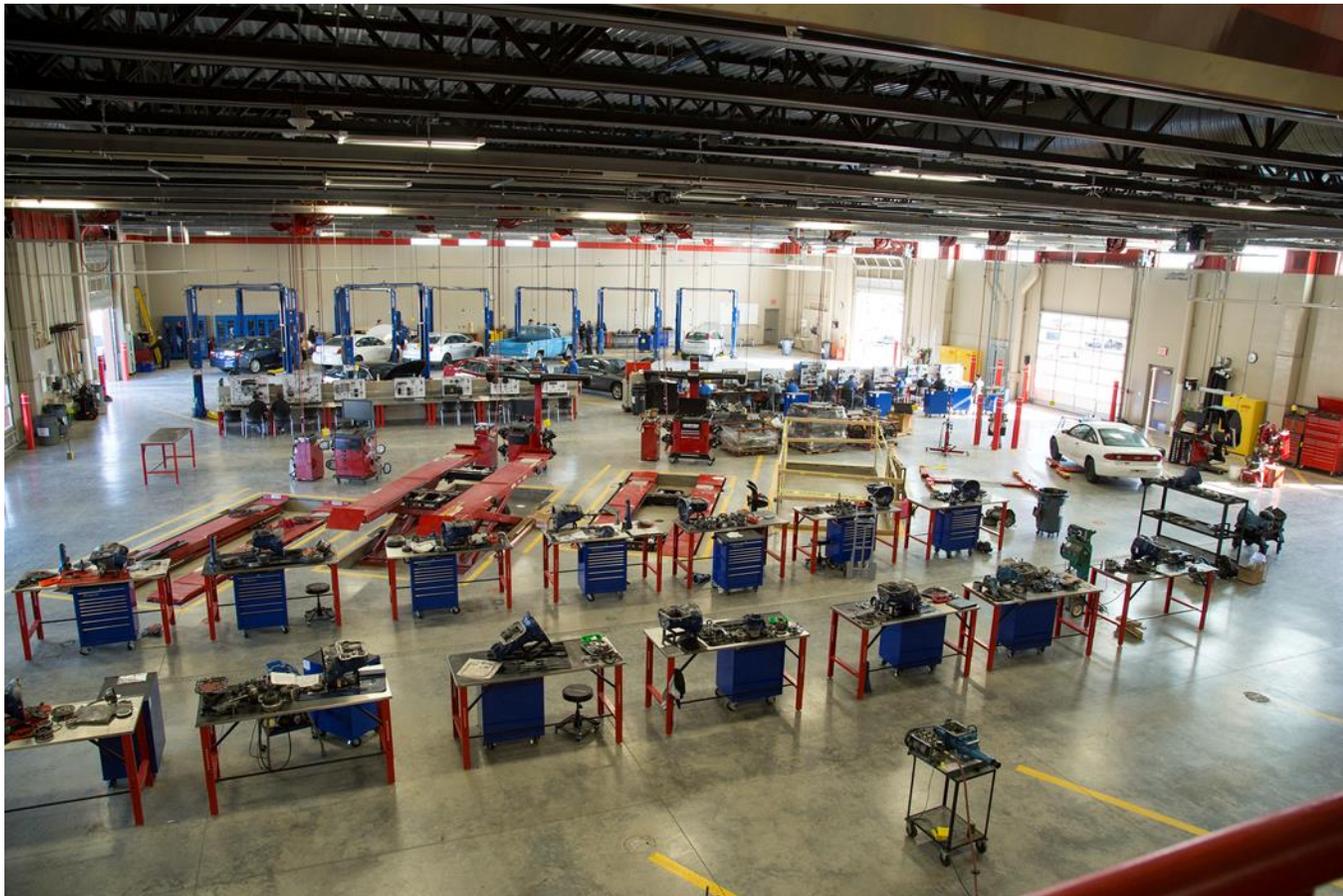


## CAMPUS FACILITIES

- 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



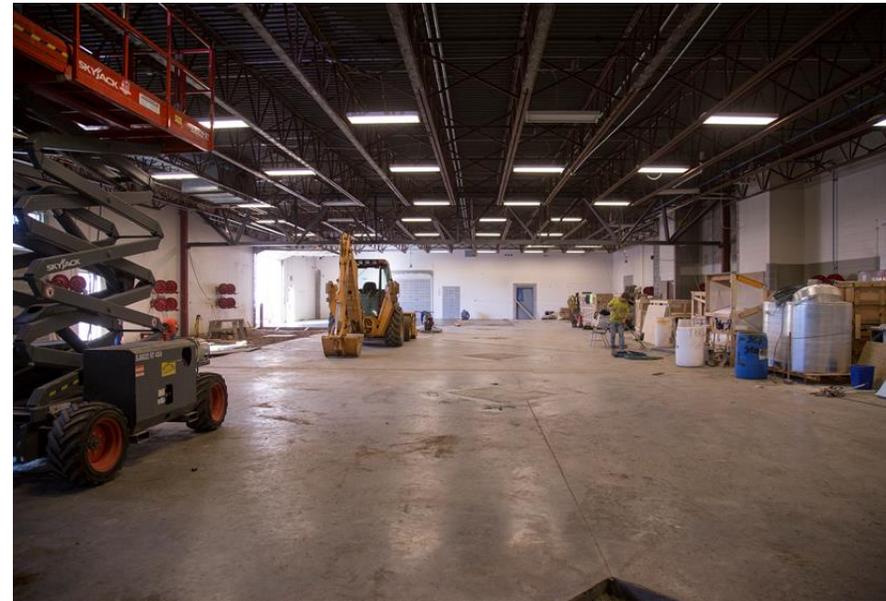
## CAMPUS FACILITIES



# CAMPUS FACILITIES

**SOUTHEAST  
TECH**

- 2017 Renovation of the Ed Wood facility
  - Expands **Collision Program** and Refinishes Lab Space – **DOUBLES** program capacity

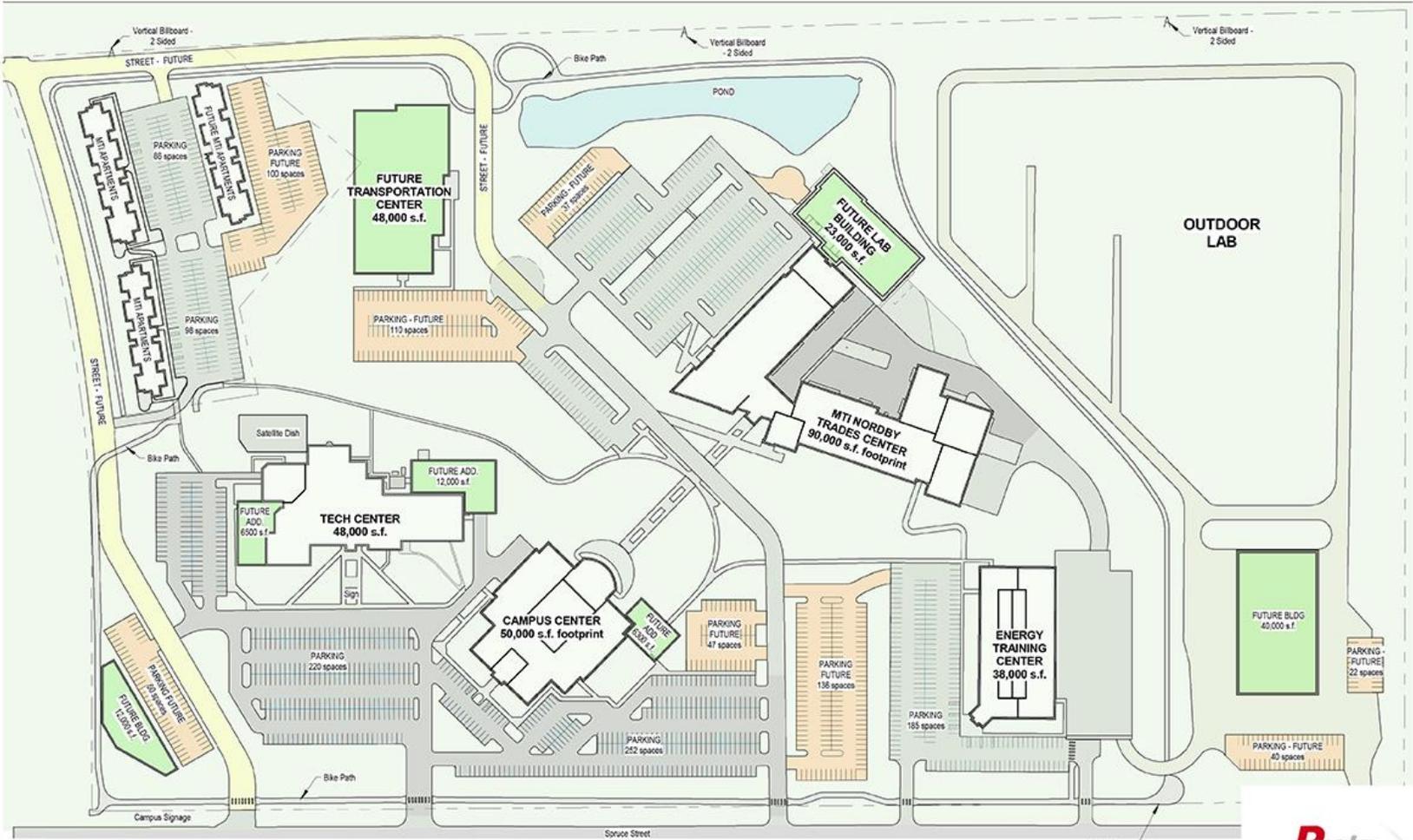




# PLANT

- **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 2<sup>nd</sup> 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





MTI Master Plan - 2016  
Mitchell, SD



# PLANT



- **LATI Campus Strategic Plan**
  - 13 consecutive years of growth – 2033's Student Population today
- **Online and Hybrid**
- **Earn Where You Learn Initiative**



# PLANT



## **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

WESTERN  
**DAKOTA**  
TECH



# FACILITIES – SIMULATION

WESTERN  
**DAKOTA**  
TECH



# FACILITIES – EVENT CENTER

WESTERN  
**DAKOTA**  
TECH



# FACILITIES – PUBLIC SAFETY

WESTERN  
**DAKOTA**  
TECH



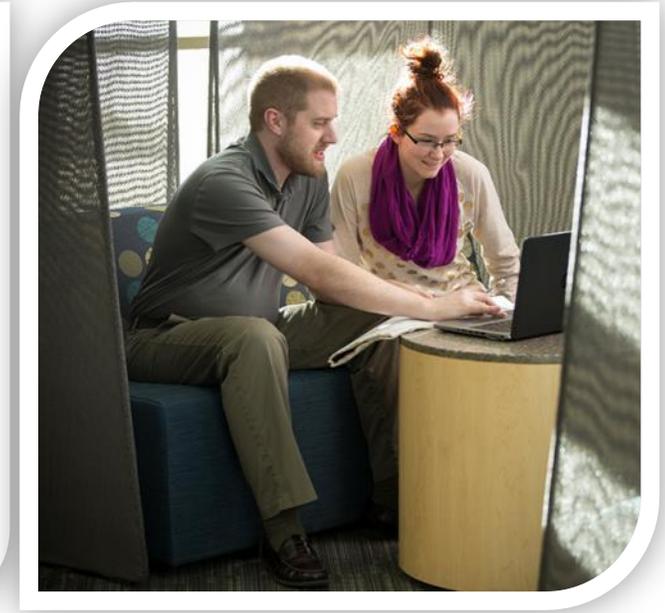
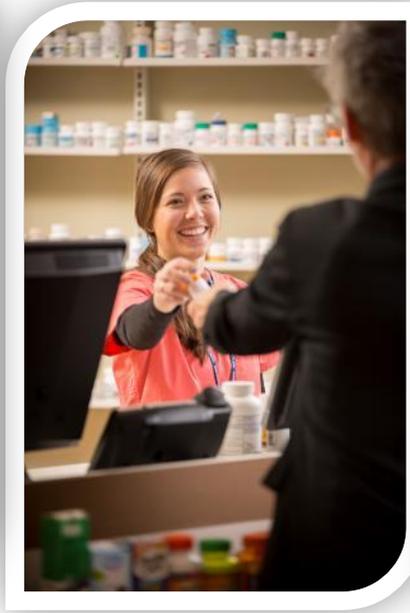
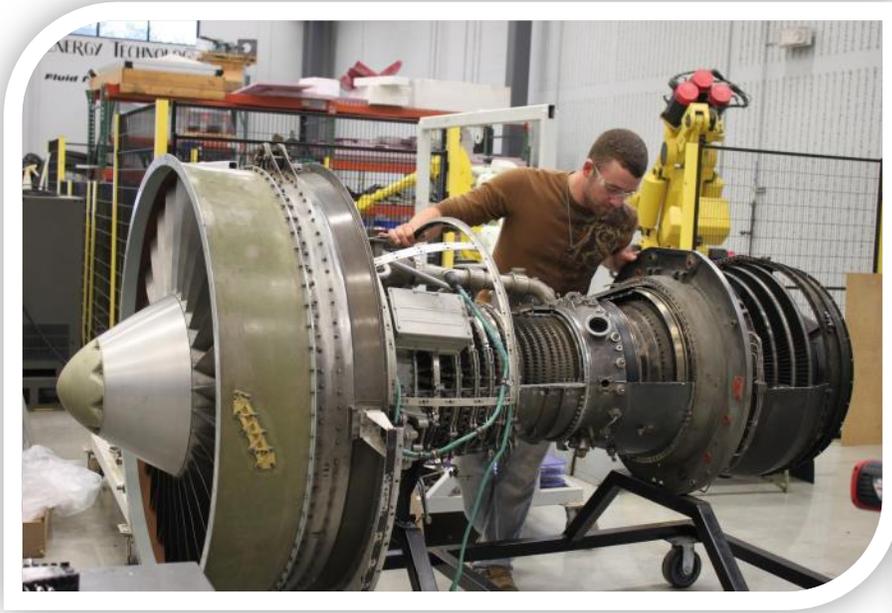


## YOUR ROLE

- **Connections**
- **Partnerships**
- **Support**
- **Promotion**

YOUR TECHS NEED YOU!!!

# THANK YOU



# CONTACT



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