



*Investing in our students to  
accelerate our local economy*



LESC Presentation- November 17, 2021



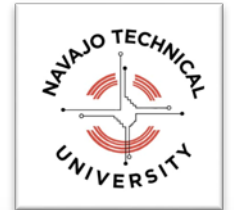
# Guiding Quotes

“The only source of  
knowledge is experience”  
*Albert Einstein*

“To find out what one is  
fitted to do, and to secure  
an opportunity to do it, is  
the key to happiness.”  
*John Dewey*



# December 2017



## TOP FIVE CAREER CLUSTERS BY LARGEST PROJECTED GROWTH

Workforce Region(s): Northern

Cluster	Annual Openings	Median Wages	Projected New Jo...
Human Services	2,386	\$16,846	3,264
Information Technology	298	\$71,636	451
Science, Technology, Engi...	474	\$131,334	589
Health Science	1,535	\$55,783	2,032
Architecture & Constructi...	2,030	\$45,239	1,486
Hospitality & Tourism	5,468	\$20,437	2,566
Agriculture, Food & Natur...	263	\$38,342	108
Government & Public Ad...	142	\$48,901	83
Finance	500	\$51,569	225
Education & Training	1,099	\$46,686	520
Manufacturing	1,002	\$44,861	395





# Bond Wilson Technical Center

## Academic Pathways

*"College and Career Preparation for a New Economy"*



### Focus Pathways include the following

Culinary Arts, Construction Technology, Mechatronics (Pre-Engineering/Computer Science), Welding Industrial Maintenance, & Healthcare (Pre-Nursing).

#### Foundational Courses

- Intro to Computer Science
- 21st Century Employability Skills
- Navajo Government \*
- University Prep \*
- New Media Development
- Intro to Psychology\*
- Entrepreneurship
- Technical Writing \*
- Technical Math II \*
- Community Internship w/ Seminar

\*Denotes Dual Credit Class

#### Exploratory Courses

- Aerospace Manufacturing
- Intro to Occupations in Mining
- Conceptual Design and Planning
- Japanese Language, Culture, & Lit.
- Unmanned Aircraft Systems-Drones
- Culinary Arts
- Student Senate
- Healthcare Lab

"Students will take one per semester"

#### Focused Pathway Courses

- Culinary Arts
  - Professional Baking \*
  - Professional Cooking \*
  - Nutrition \*
  - Serv-Safe Essentials\*
  - Food Safety and Sanitation\*
  - Management and Supervision\*
  - SkillsUSA Preparation
- Construction Technology
  - Intro to Craft Skills \*
  - Residential Construction \*
  - Residential Construction II\*
  - Site Practicum\*
  - SkillsUSA Preparation
- Mechatronics (Engineering/Comp-Sci.)
  - Robotics and Technology I
  - Robotics and Technology II
  - Engineering Graphics \*
  - Mobile App Design- Unity
  - Emerging Technologies
  - SkillsUSA Preparation
- Welding
  - Fundamentals of Welding \*
  - Fundamentals of Welding II\*
  - Pipe Welding \*
  - Pipe Welding II \*
  - Structural Welding\*
  - Structural Welding II\*
  - SkillsUSA Preparation
- Industrial Maintenance Operations
  - Industrial Maintenance I \*
  - Industrial Maintenance II \*
  - Engineering Graphics \*
- Healthcare (Pre-Nursing)
  - Medical Terminology\*
  - Interpersonal Communications\*
  - Human Nutrition\*
  - Psychology\*
  - Principals of Biology\*
  - Nurse Aid Certification\*
  - Computer Applications\*

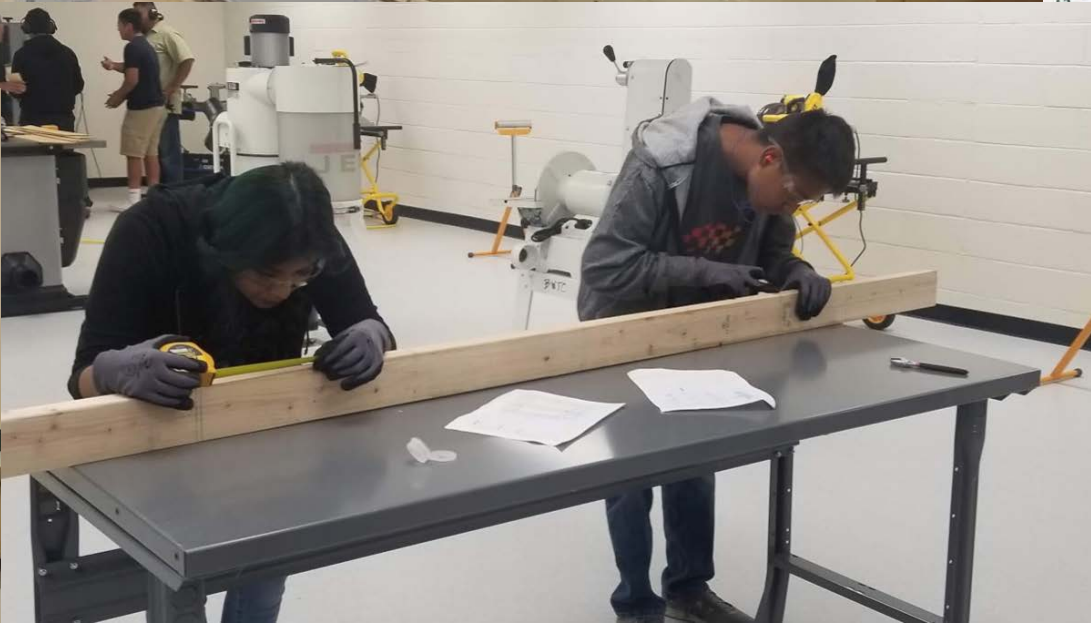
\*Denotes Dual Credit Class \*\*More classes may be added based on availability and need.





















# Engineering Maker Lab





# Robotics Lab





# Gaming/CS-Lab



NEW MEXICO  
ACTIVITIES ASSOCIATION



O M E N

by   
12



# Re-thinking PLCs





# Community Outreach





# Social Media





# Industry Trips





# Skills Competitions





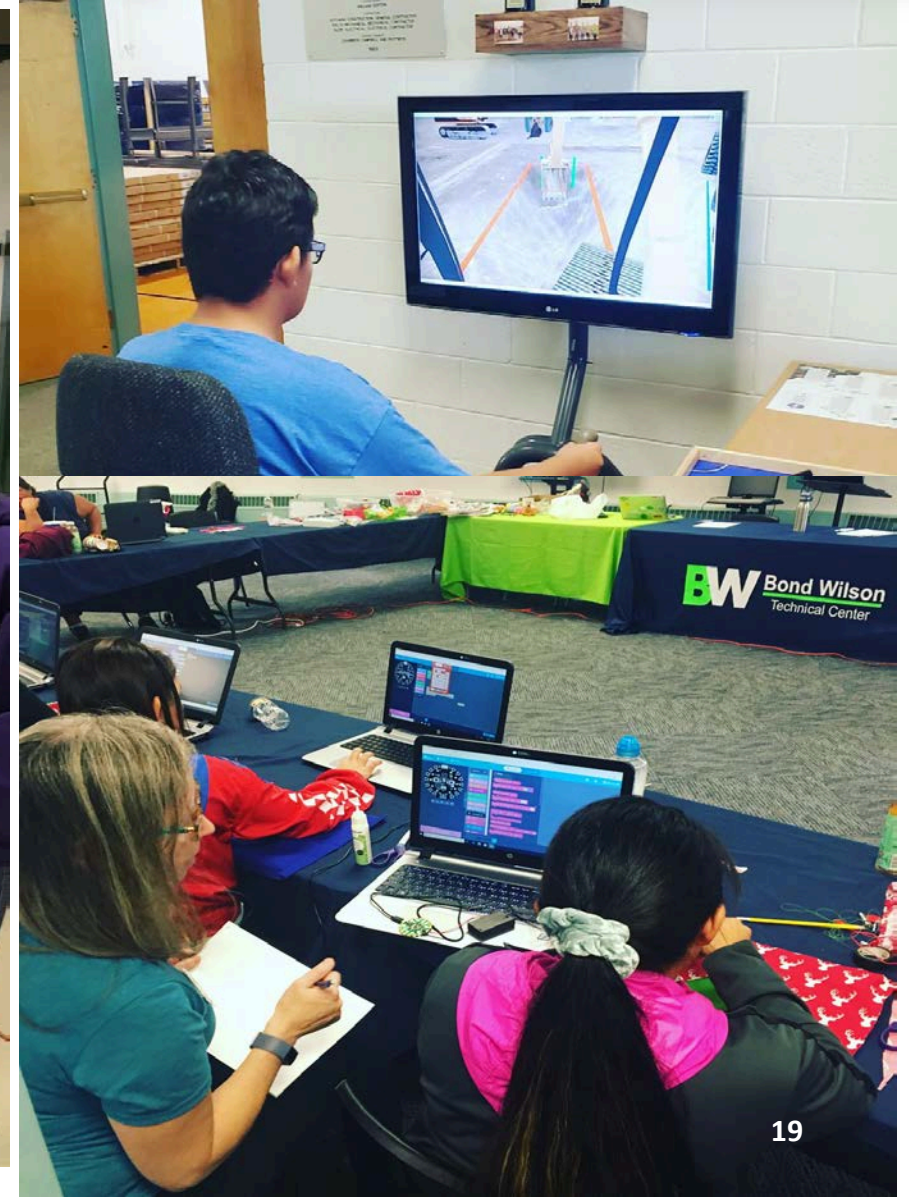


# Guest Speakers





# Industry Outreach





# Industry Outreach

Cibola Citizen, Wednesday,

A6

## State News

### NTU Bond Wilson student receives Four Corners Power Plant scholarship

By Cuyler Frank  
Special to the Cibola Citizen  
Kirtland, N.M. — On May 13, students, faculty, and staff at the Bond Wilson Technical Center celebrated their year-end achievements for the 2018-19 school year, which included recognizing 80 students who completed coursework at Bond Wilson, and six students from NTU's Dual



Courtesy photo  
Bond Wilson dual credit Industrial Maintenance Operations students were presented with hard hats from Arizona Service by Jeff Jenkins (seated right) and Terry Dayish, manager, government affairs (Standing end left).

Kirtland Central High School offered the scholarship to a student who had completed the dual credit program at the Bond Wilson Technical Center. Barton signed an agreement with APS to receive a \$1,500 re-

organization, which can be used at any institution he chooses to complete his degree program. He completed the IMO program requirements at the Bond Wilson Technical center and gradu-

High School on May 25th. "We are excited to celebrate our students' accomplishments as some of them are either going to be entering the workforce or postsecondary education," said Milo

Bond Wilson Technical Center, an early career center, is excited for its first scholarship pathway through our Wilson."

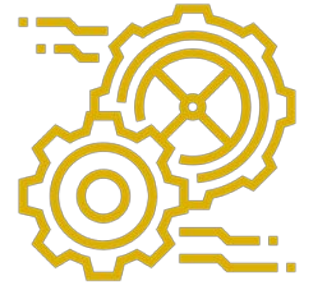
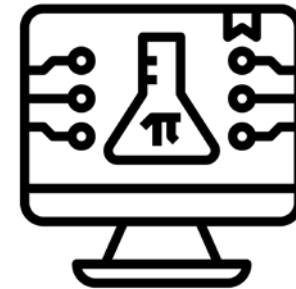
NTU's partnership with the Technical Center goes back to 2010 to offer site training for partners in the program. The center received on-site experience at the awards ceremony, including awarded C and recognition achievement administration Wilson.

To lead the Industrial Maintenance Operations certification credit program, structural Wilson Technical Center Dual Credit program, Freda Jo





# New Journey in New District



15 Site Based Pathways

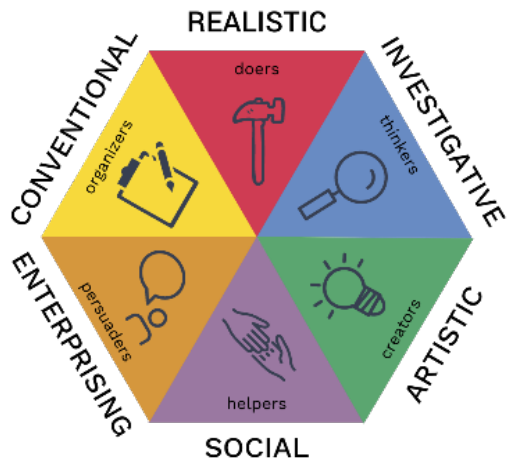




# Future District Career Initiatives



- Strategic Planning Process: *Inspired, Safe, & Fulfilled*
- *Industry Convening to build local partnerships*
- *Industry Based Capstone Seminar Courses*
- *Internship Development and Work Based Learning*
- *Expansion of Career Pathways into K-8 with RIASEC*
- *Alignment to Potential Graduation Changes*
- *ECHS Academy Development into high schools*
- *Creation of a CTE foundation to fund initiatives*





# Challenges & Opportunities in Rural NM

- **Challenge:** Grad Rates after Covid-19 and promoting relevancy in the classroom
- **Opportunity:** Potential legislative graduation requirement changes tied to student career pathways
- **Challenge:** *Industry time & energy for work-based learning opportunities*
- **Opportunity:** *Potential tax incentives to business that sponsor on campus industry courses or student internship opportunities.*



# Challenges & Opportunities in Rural NM

- **Challenge:** *Finding CTE teachers who come from industry*
- **Opportunity:** *Modify the 800 license- bachelor's degree requirements of + 32 credit hours of vocational-technical training to mirror those who gain licensure with a Certificate or HS Diploma-based on work experience.*
- **Challenge:** *Equitable funding for rural communities- Who will lead this work?*
- **Opportunity:** *Grants for innovative programming- example: past ECHS funding & past CCR counselor grant. Provide training & collaboration opportunities for CTE professionals- example: Principals Perusing Excellence*



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