

# **MISSION**

We are a trusted learning community embracing technical education to promote student development and economic growth.

### **TYTAN SMITH**

2023 Student of the Year Electrician Apprenticeship



# WHY TECHNICAL EDUCATION

### **HANDS-ON**

Davis Tech's hands-on learning environment teaches students with **real-world tools and equipment**. This provides students with experience and knowledge that employers value.

### **FLEXIBLE**

Many of our programs are available to start any time and students can create a schedule that works around their family, work, or other needs.

### **SELF-PACED**

Students move at their own pace. They can accelerate through familiar concepts and/or slow down to master their skills.

### **HIGH-TOUCH**

Our experienced instructors come from industry and work with local companies to stay current on the newest technologies. Their main focus is the success of every student.

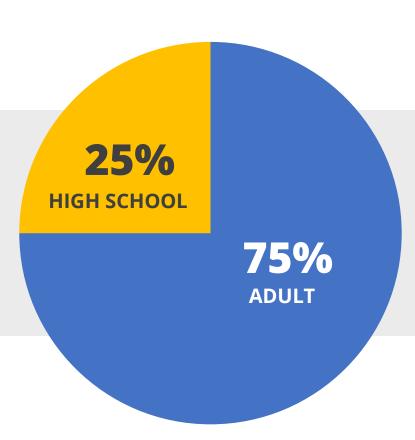




# **OUR STUDENTS**



**Total Students** 





Student FTE



**\$2,983**Average Program Cost

Cost includes tuition, books, materials, and fees.

## AVERAGE WAGE INCREASE

Annual increase in wages from before training to after graduation

WAGE INCREASE*	% INCREASE	
\$10,850 \$6,820	59% 35%	

\*Source: Utah Department of Workforce Services

900+ Hour Program

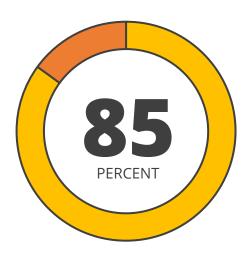
< 900 Hour Program

FY 2023 Cumulative Student ROI (Increased wages less student-paid cost of training) \$8,825,882



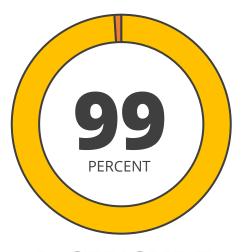
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## **GRADUATION**



### **PLACEMENT**

Program Accreditation Benchmark 70%



### **LICENSURE**

Program Accreditation Benchmark 70%

# PERCENT **COMPLETION**

Program Accreditation Benchmark 60%

### **SERVICE PROFESSIONS**

Cosmetology Culinary Arts Esthetician Hair Designer Master Esthetician Nail Technician

### **TRANSPORTATION**

Automotive Technology Advanced Automotive Technology Diesel/Heavy Duty Technology

## **INFORMATION TECHNOLOGY** Architectural & Engineering Design Business Administrative Services

**SCHOOL OF BUSINESS AND** 

Cybersecurity Information Technology Software Development Web and Graphic Design

### **SCHOOL OF CONSTRUCTION**

**Construction Technology** Electrician Apprenticeship Heating and Air Conditioning Plumbing Apprenticeship

### **HEALTH PROFESSIONS**

Advanced Emergency Medical Technician Dental Assisting
Emergency Medical Technician
Firefighter Home Health Aide Medical Assistant Medical Coding and Billing Nurse Assistant

Pharmacy Technician Phlebotomy

**Practical Nurse** Surgical Technology

### **MANUFACTURING**

**Automation and Robotics CNC Machining** Composite Materials Technology Welding Technology

Red indicates high impact program



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# DAVIS TECHNICAL COLLEGE

# CHALLENGES

- Need for additional instructional capacity
- Council on Occupational Education (COE) Accreditation Standards
- Federal Department of Education (DOE) Regulations
- Utah Legislative Priorities
- Utah System of Higher Education Goals
  - Increase Access to Higher Education
  - Increase Graduation Rates
  - Increase Affordability
  - Workforce Training Alignment with Industry needs
- Technical College coexisting with residential neighborhood
- Funding Constraints



# **Construction/ Heavy Equipment Operator**



**Backhoe** 



**Track hoe** 



**Skid steer** 



**Compactor** 

# **Current Hours of Operation**

8 am - 3 pm

Equipment is used only periodically



**Affordable Housing** 



**Tiny Home Project** 

# Why CDL at the Kaysville Campus?

- Changes in Federal Regulations eliminated accredited training sites between SLC and Logan
- This is where Davis Tech owns the land
- Our location at Freeport in Clearfield lacks the space required by the State of Utah for CDL training
- Congruence to our Diesel Technician program
- Students have full access to campus services including counseling and financial aid

# **Commercial Driver License Equipment**

- The College is purchasing 3 Semi Tractors.
  - Not equipped with backup alarms
  - Typically, 1 tractor will be operating on campus, 2 on the road
  - On the road driving practice will be done throughout Northern Utah
  - If funds are available a 4<sup>th</sup> "back up" tractor may be purchased
  - Will not be training on doubles, belly dumps, or tankers
- Sound levels of CDL training operations tested over 30 minutes.

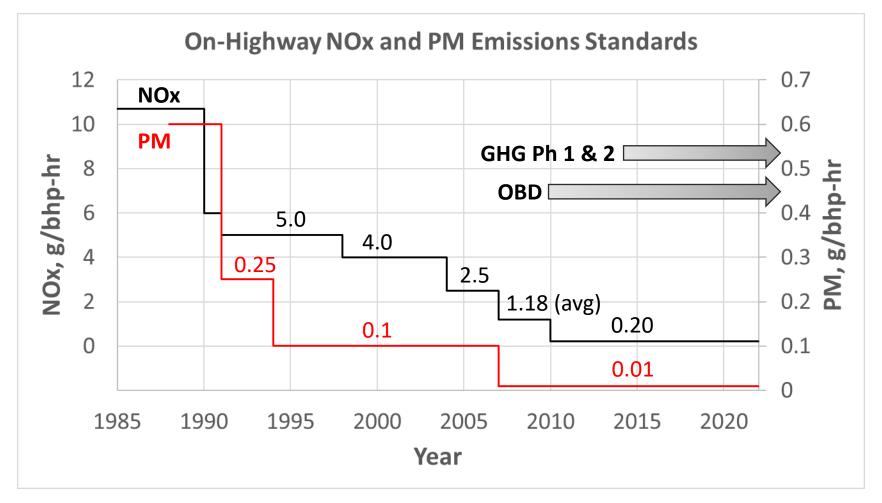
•	Minimum	44.0 decibels	equivalent to a	quiet office
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• Average 54.8 conversational speech

• Maximum 87.5 hair dryer/lawnmower

 The Trucks meet the latest EPA Phase 2 Greenhouse Gas Emissions Standards and Fuel Efficiency Standards.

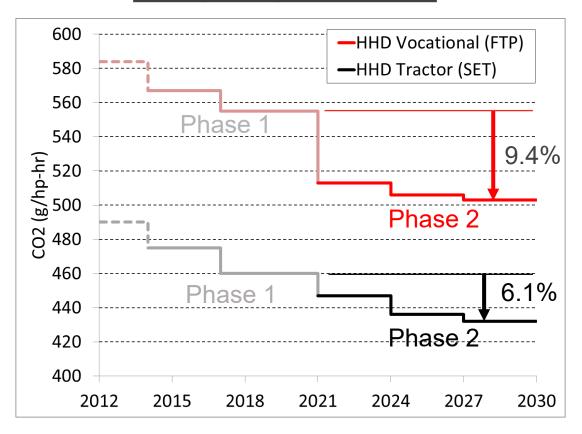
# How Far We've Come



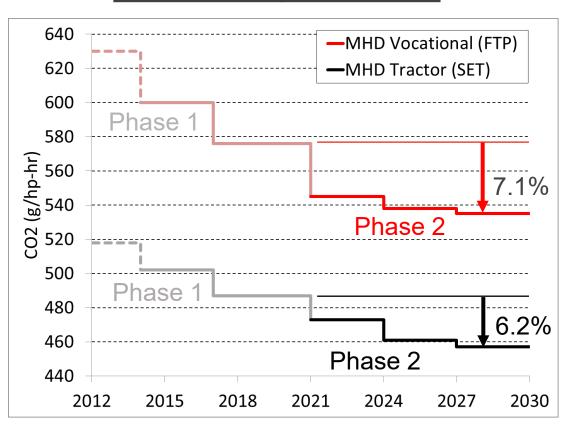
NOx = nitrogen oxides PM = particulate matter g/bhp-hr = grams per brake horsepower-hour

# Phase 2 Diesel Engine Standards\*

### **Heavy-Duty Standards**

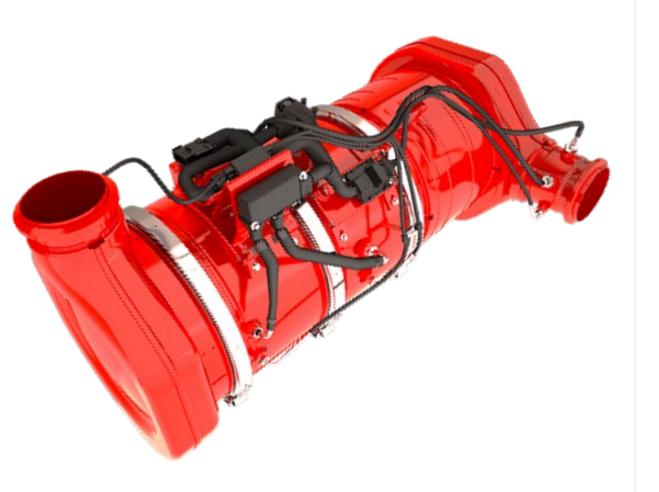


### **Medium-Duty Standards**



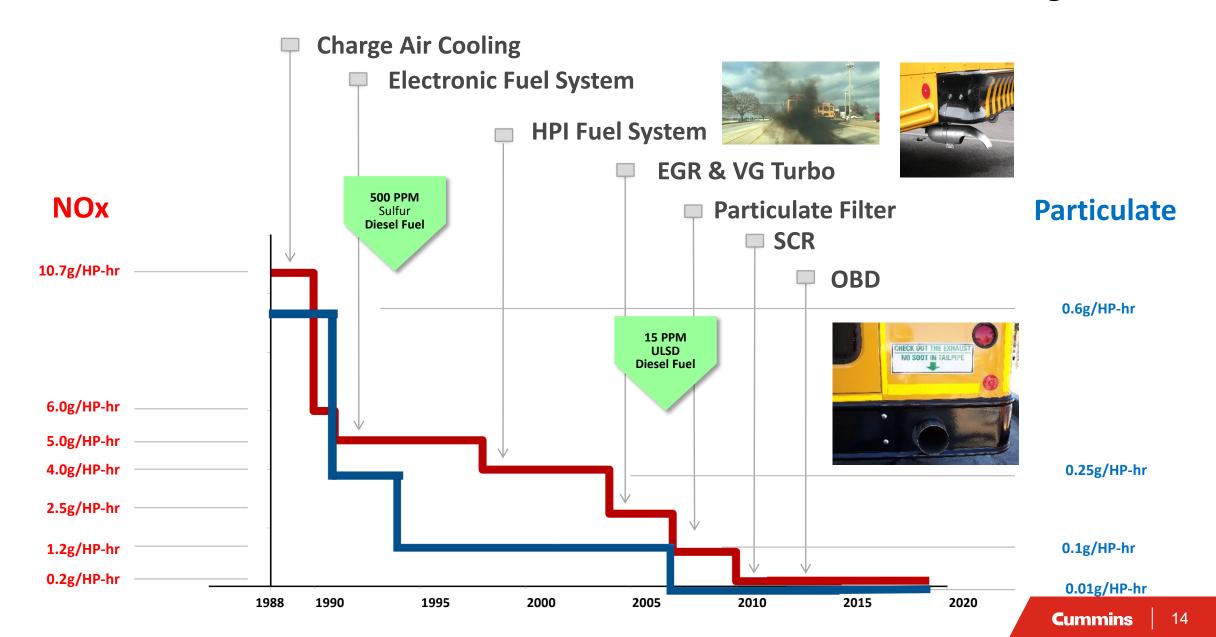
<sup>\*</sup>Gasoline (SI) engine Phase 2 standards same as Phase 1 (627 g/hp-hr)



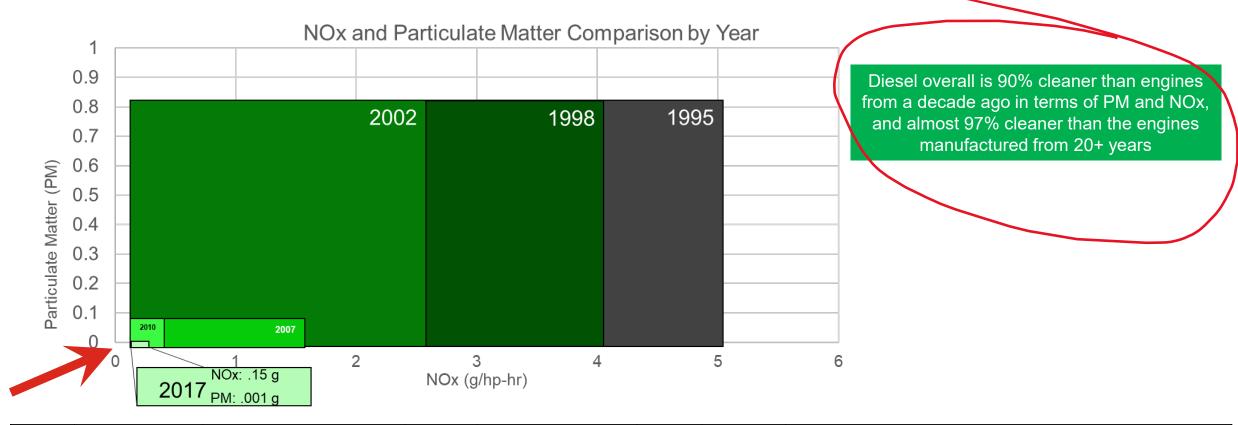


# **Cummins Aftertreatment**

# **EPA Diesel Emissions Reduction History**



# **Emission Summary**



EPA Model	Engine Family	<b>Build Years</b>	Regen Timer (Hrs.)	Aftertreatment Components	PM (Grams)	NOx (Grams)	Notes
2007	ISB / ISL CM2150	1/1/2007 – 12/31/2009	96	DPF & DOC	0.01	1.5	School Bus 7-10 hours normal ISL Transit - Started 96 HR – then 12 HR – now 20 HR (w/Calibration)
2010	ISB / ISL CM2250	1/1/2010 - 12/31/2012	24	Added SCR	0.01	0.20	
2013	ISB / ISL CM2350	1/1/2013 - 12/31/2016	24	OBD Required	0.01	0.20	
2017	B6.7 / L9 CM2350	1/1/2017 - 12/31/2020	24	Single Module	0.001	0.15	B6.7 Engine Family
2021	B6.7 / L9 CM2450	1/1/2021 - 12/31/2024	24	CO2 reduction	0.001	0.15	

# **CDL Student Qualifications**

- CDL Students must:
  - Have a regular driver license for a minimum of 1 year
  - Obtain a Class A CDL Learner's Permit
  - Pass a statewide background check
  - Pass a Dept of Transportation (DOT) Physical
  - Pass a Dept of Transportation (DOT) Drug Screen
  - Clean Motor Vehicle Record

**Current Hours of Operation** 8 am - 9 pm Monday- Thursday 8 am - 2 pm Friday

# **Fuel Site Examples**





**Kaysville Fire Department 175 S Main Street** 

Layton City
Commons Park

# Campus Growth

1978 Main Building

1983, 1985, 1987 **—** Addition

> 1998 Addition

2006 Simmons Building



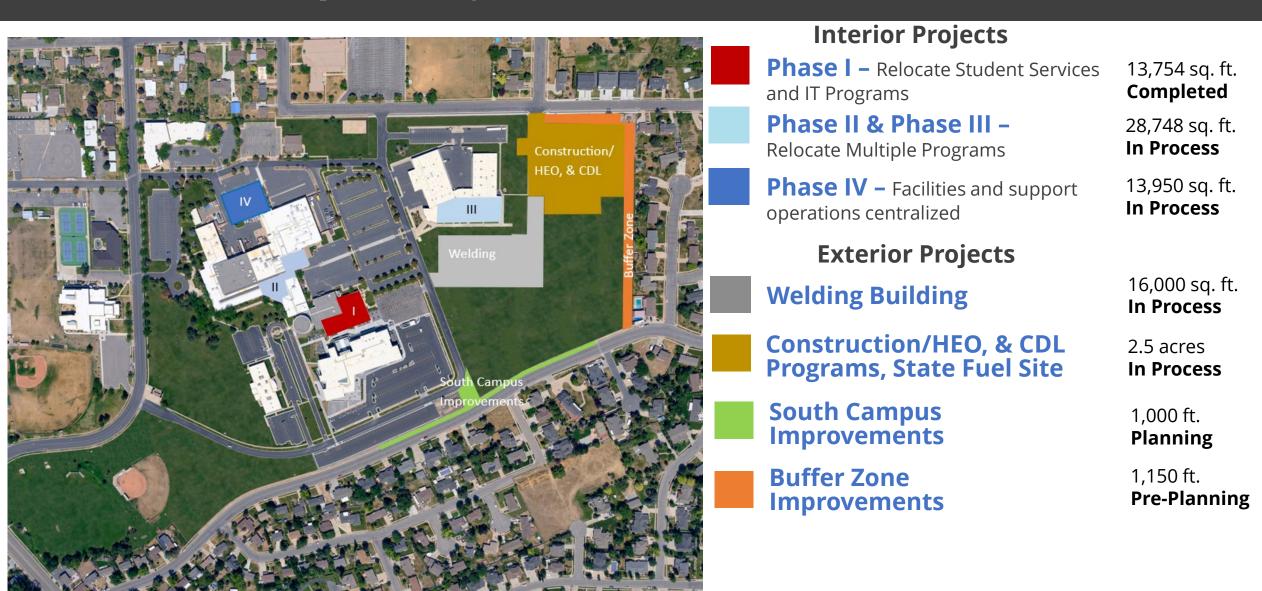
2021 North Building

> 2009 Barlow Building

2020 Bouwhuis Building

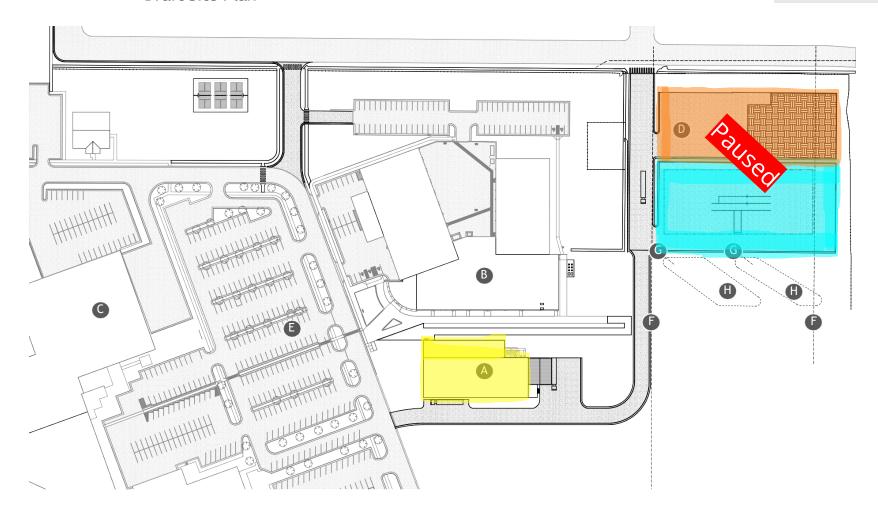


# Campus Projects



### Davis Tech

Draft Site Plan



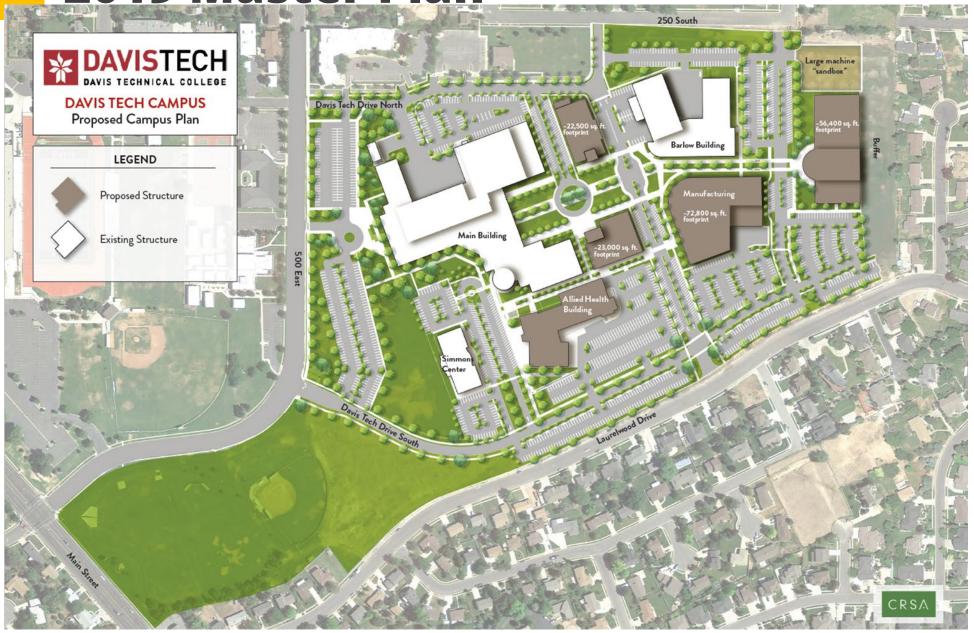
- A. New Welding Building
- B. Barlow Building
- C. Main Building
- D. CDL / Heavy Equipment
- E Existing Parking



- G. Storm Drain Line
- H. Storm Pond



**2019 Master Plan** 



# **Next Steps**

- We will evaluate feedback and other relevant information
- We will schedule another meeting or an open house in January
- Updates will be emailed to those who have provided contact information
- Information will be posted on our website: www.davistech.edu

