



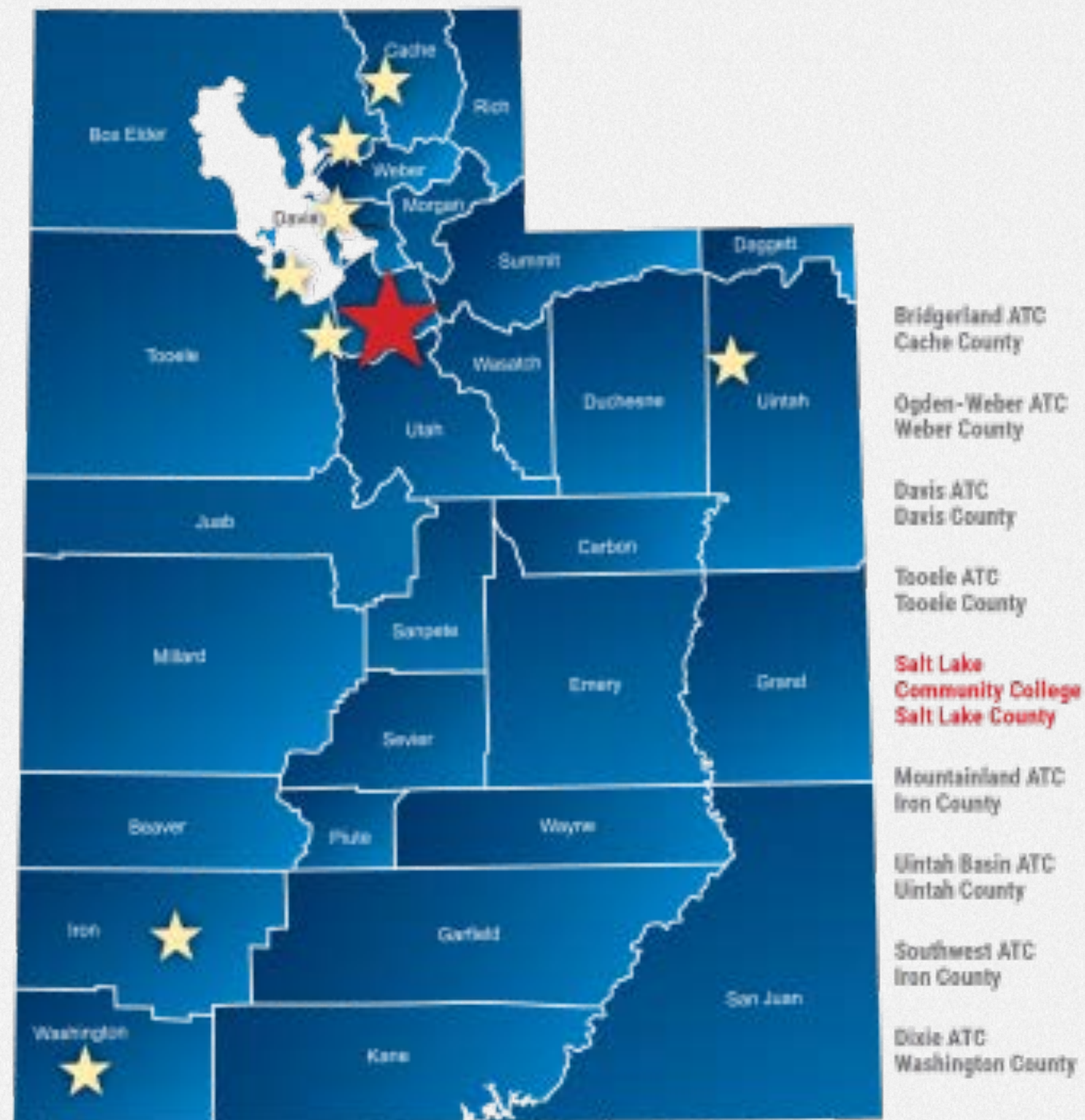
Westpointe CTE Center

Infrastructure and General Government
Appropriations Subcommittee

Dr. Deneece G. Huftalin
February 8, 2016

SLCC

CTE Provider for Salt Lake County



CTE at SLCC

Wide range of programs, from traditional programs like welding to advanced programs like composites and 3D printing. All designated to prepare students to enter the workforce immediately upon completion.

106 credit certificate programs

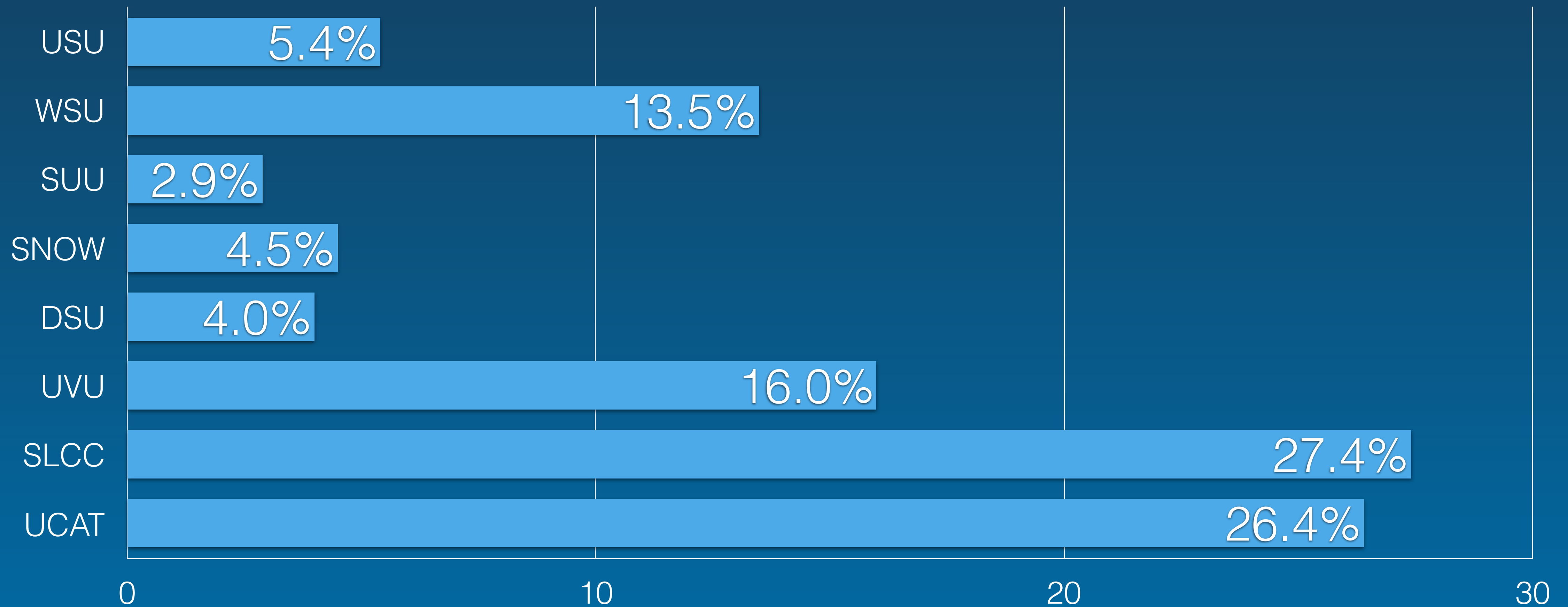
32 degree programs

29 non-credit certificate programs

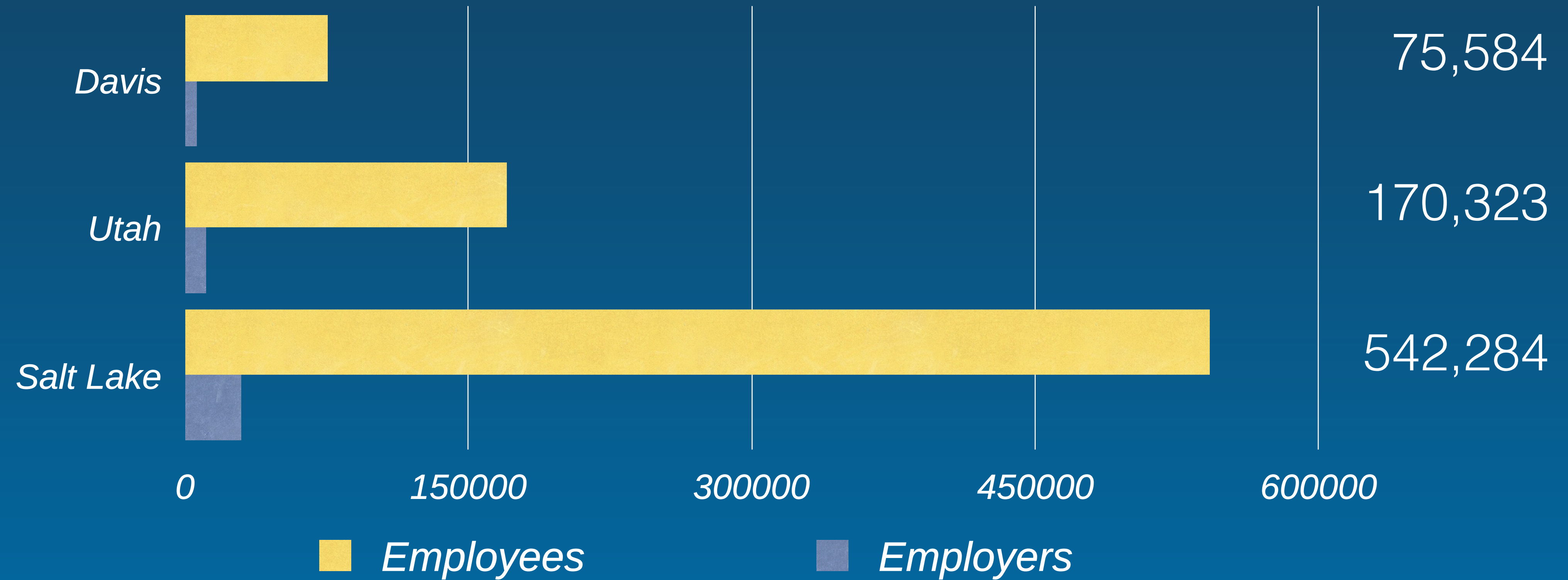
28,414 CTE students

Women in the Trades

CTE FTE by Institution



Meeting Employer & Employee Needs



Top 10 Jobs Needed

1	Technicians
2	Sales Representatives
3	Engineers
4	Skilled Trade Workers
5	Production Operators
6	Accounting & Finance Staff
7	Secretaries, PA's, Administrative Assistants and Office Support Staff
8	Drivers
9	Laborers
10	Management/Executives

Source: ManPower Group US Study Global Talent Shortage Survey 2013

Economic Impact

Job Area	Median Wage	2014 Openings	Economic Impact (low estimate)	Economic impact (high estimate)
Aeronautics/aviation	23.27	272	\$11,135,478	\$13,164,536
Composites/plastics	14.58	1,004	\$24,659,000	\$30,437,681
Diesel Technician	21.39	286	\$10,495,921	\$12,725,955
Electronics	21.74	974	\$36,495,453	\$44,045,265
Welding	18.15	1,623	\$49,222,394	\$61,266,322
Drivers	19.02	1,315	\$43,765,132	\$52,026,428
Testing	17.29	305	\$8,800,660	\$10,971,774
TOTALS	19.34 Average	5,779 Openings	\$184,574,038	\$224,637,961

The data comes from EMSI (Economic Modeling Specialists, Intl.) The job areas in all but the last case include multiple jobs from the EMSI database. The regional area for calculating openings is all of the counties in N. Utah.

Westpointe Programs

<i>Existing</i>	<i>Under Development</i>
Advanced Composites Technician*	Industrial Robotics Technician
Aviation - Professional Pilot	Mechatronics Technician
Commercial Driver License*	Metrology
Diesel Systems Technician	
Electrical Engineering Technology	
Electronics Assembler	
Machinist Technician*	
Manufacturing Engineering Technology	
Non-Destructive Testing Technician	
Plastics - Injected Moldings Technician	
Product Prototyping/3D Printing	
Solar Energy Technician	
Welding Fabrication and Inspection*	

**Building needed for program expansion*

SLCC

Utah Aerospace Pathway (UAP)

Supporting Utah's aerospace industry

Gives students paid internship with local employers

Students will graduate in 2016 with an Aerospace Manufacturing Certificate



Aerospace Program to Give Utah High-Schoolers Path Into Industry

Students will get opportunities to work in one of the state's largest industries.



A Boeing employee works on a vertical fin assembly for a Boeing 787 Dreamliner at Boeing, in Salt Lake City. When Utah students graduate, they could be building parts for the F-35 fighter jet, rocket engines with Orbital ATK or Boeing 757s. "Reprinted from the Deseret News"

SLCC

Diesel Tech Pathways

Initiated at request of industry. Created with partners from GOED, USOE, Canyons & Jordan School Districts

Students take Diesel Technology in High School then continue at SLCC for Certificate or Degree (AAS)

Corporate Partners provide internships for students

120,000 square feet of high intensity space



A person wearing a blue beanie and safety glasses is focused on a task, using a blue tool to work on a mechanical device. The background is a blurred industrial or laboratory setting. The entire image has a blue tint.

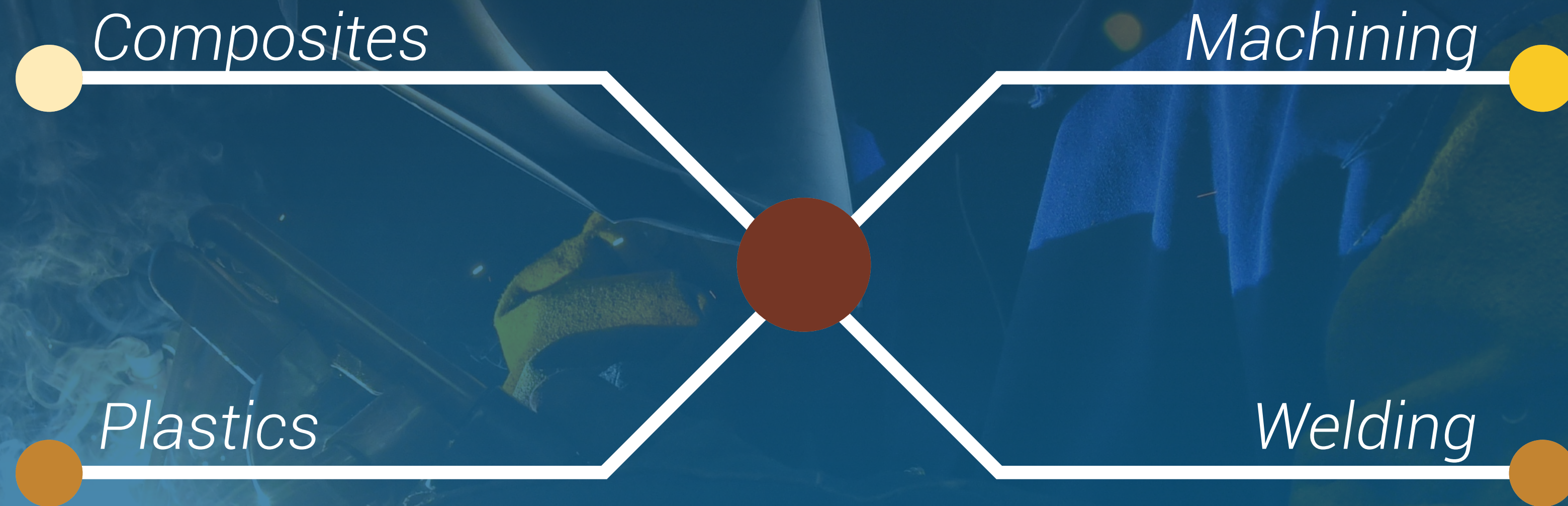
Building Specs and Efficiencies

- 34 labs, 8 classrooms
- Extra thick concrete required on 125,000 square foot (almost 3 acres) diesel truck driving range holds 35-ton trucks and trailers
- High power and high data requirements for lifts, CNC, machining, composites, etc
- State high-performance energy requirements used
- Efficient use of high bay space where possible with labs and mechanical building infrastructure
- Uses state standards for offices with reduced private space to support collaboration
- Utilizes economical building materials for the exterior skin. The materials are highly durable, low maintenance, low cost.

CTE requires hands on learning



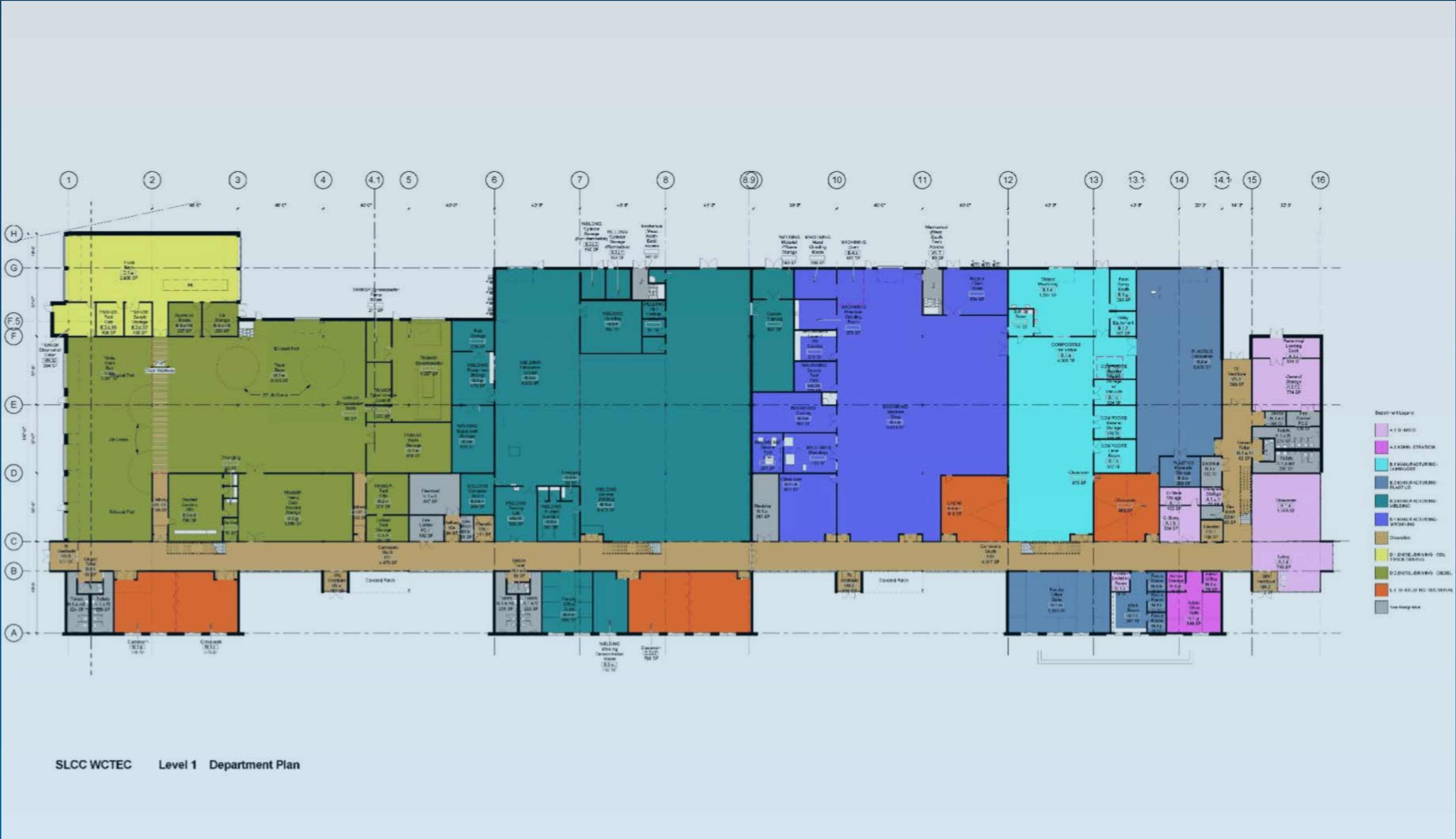
Single location for high impact training



Funding Sources

- Utah State Legislature, 2015 Session
 - \$3 million appropriation for pre-construction and design - **Thank you!**
- Salt Lake Community College
 - \$4.5 million land acquisition
- Industry Partner, Hexcel
 - \$250,000 equipment and scholarship support

Initial Blueprints



2016 Programming Schedule

August 20, 2015

Big D selected as
construction manager/
general contractor

Spring 2016

Subcontractor bids due

**Late Spring/
Early Summer 2018**

Westpointe Center
is open for classes

Fall/Winter 2016

Architectural design of
Westpointe Center

Late Spring 2016

Westpointe Center
is shovel ready

