

# Career and Technical Education



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## Education Taskforce July 22, 2014

Mary Shumway, State Director  
Career and Technical Education

# Career and Technical Education



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## Role and Mission

School District/Charter CTE

UCAT

USHE

## Capacity, Access, Facilities, Instructors

## Quality/Outcomes

Meeting Role and Mission

Meeting Needs of Industry

## Use of Public Resources

Cost

Duplication

# *Recommendations*

- **Policy - Strategic Planning** (District, UCAT, USHE)
- **CTE Taskforce/Performance Audit**
  - External Evaluation
  - Role of District, UCAT, USHE
  - Outcomes
    - Alignment
    - Economic Impact
    - Return on Investment
  - Use of Public Resources
  - Inform Strategic Plan
- **Marketing Plan for CTE** (District, UCAT, USHE)

# *Governance:*

## **Local UCAT Boards**

- Representation of Local Board Members
  - Voting or Non-Voting?
  - Representation varies from one to seven local board members
- Balance of Industry Members
- Some Representation from Public Education

# ***District CTE:***

## **Career and Technical Education in K-12 public education system**

- Provided in 41 public school districts
- Provided in 170 public middle/jr. high schools
- Provided in 136 public high schools including some charter schools

# *District CTE:*

- 146,881 Students Grades 9-12
- 24,646 ADM Grades 9-12
- 6,367 Industry Certificates Passed
- 103,947 CTE Skill Certificates Awarded

*2012-13 school year*

## Agricultural Education

- > *Agricultural Systems Technology*
- > *Horticulture Science & Management*
- > *Natural Resources Science & Management*
- > *Production/Processing Animal Science*
- > *Production/Processing Plant & Soil Science*
- > *Production/Processing Science & Management*

## Business

- > *Accounting & Finance*
- > *Business Administrative Support*
- > *Business Entrepreneurship*
- > *Business Management*
- > *Business Technology Support*

## Family & Consumer Sciences

- > *Child Development*
- > *Consumer Economics Services*
- > *Family & Human Services*
- > *Fashion Design, Manufacturing & Merchandising*
- > *Food Science, Dietetics & Nutrition*
- > *Food Services & Culinary Arts*
- > *Hospitality Services*
- > *Interior Design*

## Health Science

- > *Biotechnology*
- > *Medical Office Administrative Assistant*
- > *Dental*
- > *Emergency Medical Technician (EMT)*
- > *Medical Assistant*
- > *Nursing*
- > *Pharmacy*
- > *Surgical Technician*
- > *Therapeutic Rehabilitation/Exercise*

## Information Technology

- > *Database Development & Administration*
- > *Technical Support*
- > *Digital Media (Multimedia)*
- > *Web Development & Administration*
- > *Network Systems*
- > *Programming/Software Development*

## Marketing Education

- > *Marketing Entrepreneurship*
- > *Marketing Management*
- > *Sales & Service Marketing*
- > *Travel & Tourism*

## Skilled & Technical Sciences

- > *Carpentry*
- > *Electrician*
- > *HVAC*
- > *Plumbing*
- > *Radio Broadcasting Technician*
- > *Television Broadcasting Technician*
- > *Automotive Collision Repair*
- > *Automotive Service Technician*
- > *Electronics*
- > *Heavy Duty Diesel*
- > *Cabinetmaking/Millwork*
- > *Drafting/CAD*
- > *Graphics/Printing*
- > *Manufacturing*
- > *Machine Tool*
- > *Welding*
- > *Cosmetology/Barbering*
- > *Esthetician/Nail Technician*
- > *Firefighting*
- > *Law Enforcement*
- > *Commercial Art*
- > *Commercial Photography*

## Technology & Engineering

- > *Pre-Engineering*
- > *Project Lead the Way*

# Career and Technical Education

## Provided by School Districts

### Strengths:

- Accountability Through CTE Skill Exams
  - 223,026 administered, 159,331 passed
- Industry Licensure and Certification
  - 3,583 Passed in 2010-11
- Student Access
- Broad Scope of CTE Programs
  - traditional trades
  - engineering, bio-tech, IT, computer programming, forensics, etc.
- Student Leadership Organizations
- Seamless for Parents and School
- Professional Development of Instructors
  - 2,462 teachers in 2011
- Instructors With Industry Background
- Licensed Educators, Pedagogy
- Rigorous Program Approval and Accreditation
- Articulated with Post-secondary Programs – “Stackable”
  - UCAT
  - College credit through concurrent enrollment
- Return on Investment





# Postsecondary CTE:

## Utah System of Higher Education

*Students move to credit based CTE program through concurrent enrollment and other articulation methods in certificates, associate degrees, and bachelor degrees.*

	# of Students Who Participated in CE	Number of Credits Attempted	Number of Credits Earned	CTE Credits Earned
2011	26,170	195,039	185,881	62,229
2012	27,012	198,494	189,387	69,206
2013	27,444	198,972	189,417	69,942

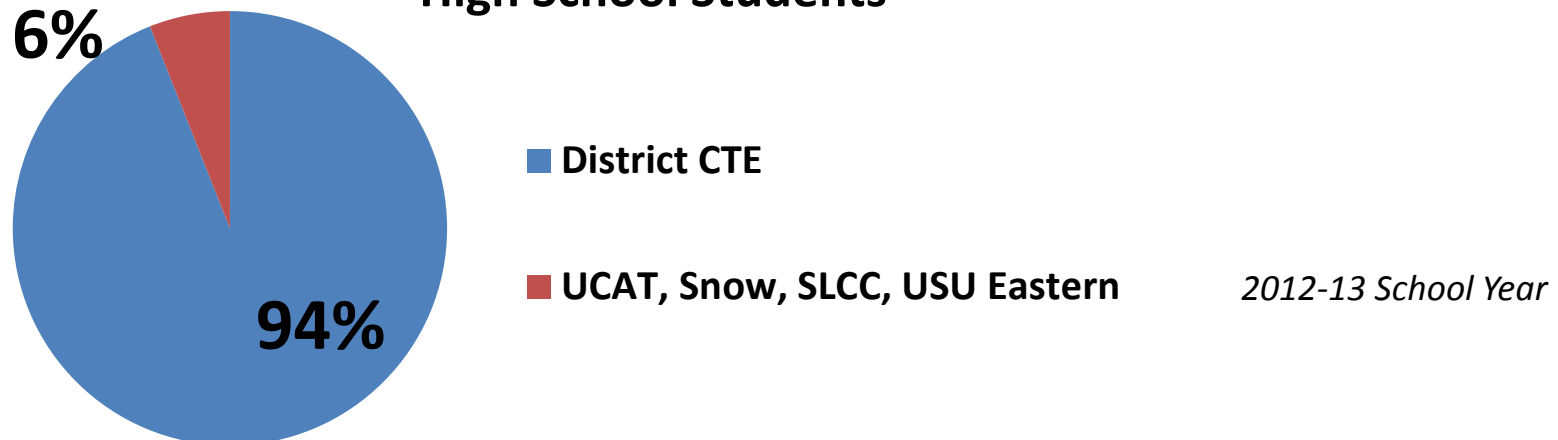
# District CTE:

## UCAT

*Students move to articulated programs culminating in UCAT certificates or licensure.*

- UCAT - 8,401 Secondary Headcount
- UCAT - 1,437,801 Membership Hours

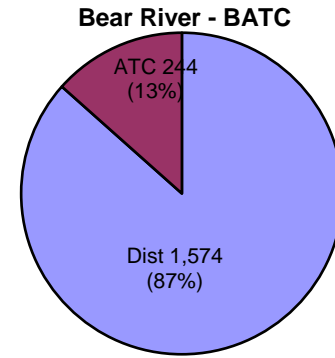
Percentage of CTE Effort for  
High School Students



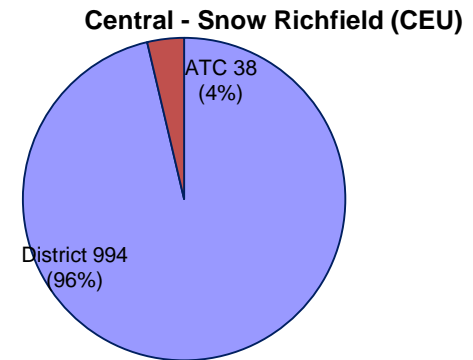
## CTE 9-12 Average Daily Membership (ADM) by Region--FY 2013

### CTE MEMBERSHIP BY REGION

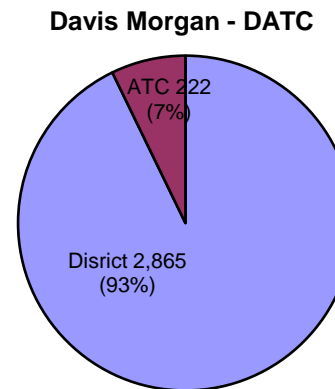
REGION	DISTRICT	2012 Dist	ATC
<b>BEAR RIVER / BATC</b>	BOX ELDER	630	
	CACHE	709	
	LOGAN	177	
	RICH	29	
	Intech Charter (pcs)	29	
<b>TOTAL REGION</b>		<b>1,574</b>	<b>244</b>
		87%	13%



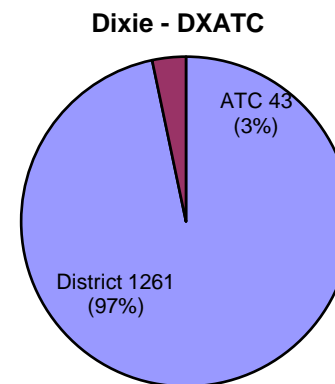
<b>CENTRAL - Snow Richfield</b>	JUAB	96	
	MILLARD	180	
	N SANPETE	263	
	PIUTE	24	
	SEVIER	228	
	S SANPETE	119	
	TINTIC	7	
	WAYNE	76	
<b>TOTAL REGION</b>		<b>994</b>	<b>38</b>
		96%	4%



<b>DAVIS/MORGAN - DATC</b>	DAVIS	2,704	
	MORGAN	106	
	NUAMES Charter (pcs)	54	
<b>TOTAL REGION</b>		<b>2,865</b>	<b>222</b>
		93%	7%



<b>DIXIE - DXATC</b>	WASHINGTON	1,261	
<b>TOTAL REGION</b>		<b>1,261</b>	<b>43</b>
		97%	3%



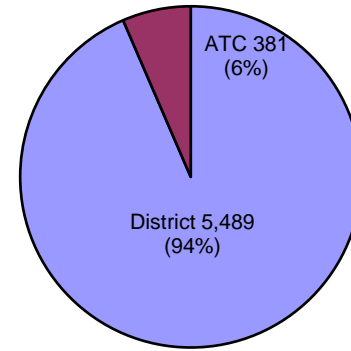
# CTE 9-12 Average Daily Membership (ADM) by Region--FY 2013

## CTE MEMBERSHIP BY REGION

REGION	DISTRICT	2012 Dist	ATC
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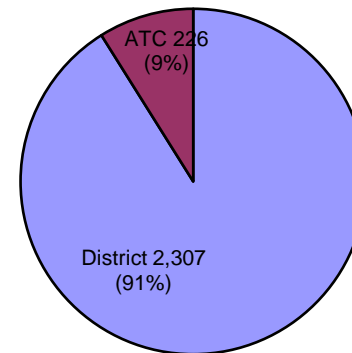
<b>MOUNTAINLAND - MATC</b>	ALPINE	2,669	
	NEBO	1,468	
	N SUMMIT	55	
	PARK CITY	168	
	PROVO	704	
	S SUMMIT	96	
	WASATCH	296	
	ALA Charter <small>(pcs)</small>	8	
	UCAS Charter <small>(pcs)</small>	25	
<b>TOTAL REGION</b>		<b>5,489</b>	<b>381</b>
		94%	6%

**Mountainland - MATC**



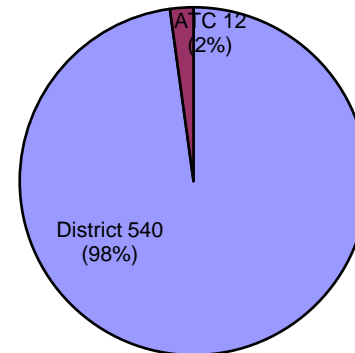
<b>OGDEN/WEBER - OWATC</b>	OGDEN	564	
	WEBER	1,743	
<b>TOTAL REGION</b>		<b>2,307</b>	<b>226</b>
		91%	9%

**Ogden Weber - OWATC**



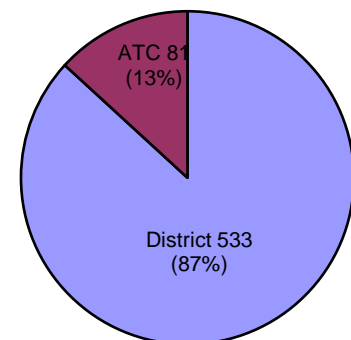
<b>USU Eastern</b>	CARBON	170	
	EMERY	102	
	GRAND	103	
	SAN JUAN	165	
	Pinnacle Charter <small>(pcs)</small>		
<b>TOTAL REGION</b>		<b>540</b>	<b>12</b>
		98%	2%

**Southeast - USU Eastern**



<b>SOUTHWEST - SWATC</b>	BEAVER	79	
	GARFIELD	89	
	IRON	287	
	KANE	79	
<b>TOTAL REGION</b>		<b>533</b>	<b>81</b>
		87%	13%

**Southwest - SWATC**



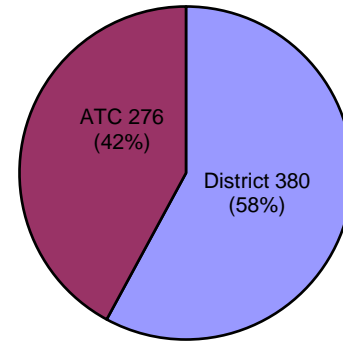
# CTE 9-12 Average Daily Membership (ADM) by Region--FY 2013

## CTE MEMBERSHIP BY REGION

REGION	DISTRICT	2012 Dist	ATC
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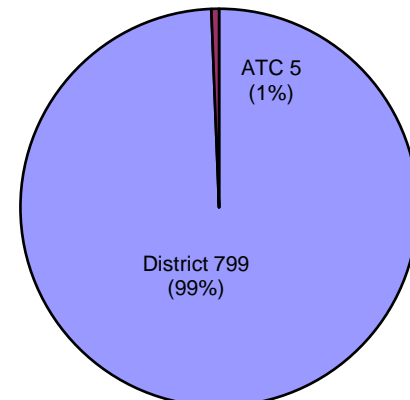
<b>UINTAH BASIN - UBATC</b>	DAGGETT	14	
	DUCHESNE	133	
	UINTAH	233	
<b>TOTAL REGION</b>		<b>380</b>	<b>276</b>
		58%	42%

**Uintah Basin - UBATC**



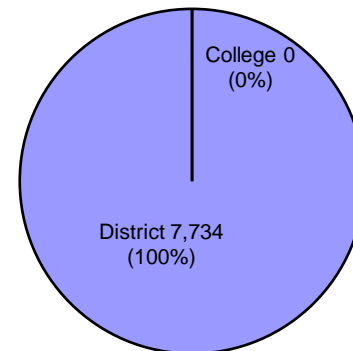
<b>TOOELE - TATC</b>	TOOELE	799	
<b>TOTAL REGION</b>		<b>799</b>	<b>5</b>
		99%	1%

**Salt Lake-Tooele**

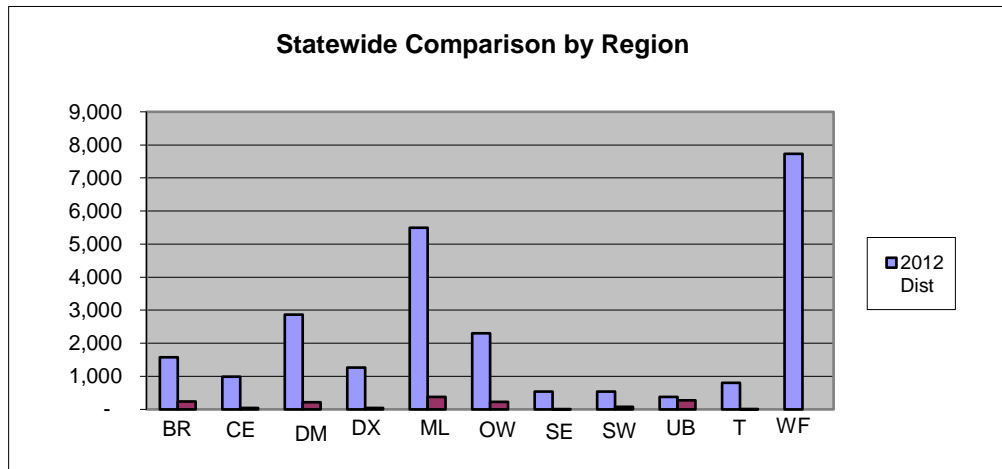


<b>WASATCH FRONT SOUTH - SLCC</b>	CANYONS	1,272	
	GRANITE	2,758	
	JORDAN	2,289	
	MURRAY	350	
	SALT LAKE	1,023	
	AMES Charter (pcs)	23	
	Itineris Charter (pcs)	19	
	Paradigm Charter (pcs)	-	
<b>TOTAL REGION</b>		<b>7,734</b>	<b>0</b>
		100%	0%

**Wasatch Front South**



**STATE TOTAL** **24,475** **1,528**  
**94%** **6%**



Note: ATC membership includes both the courses provided at college campuses and ATC courses provided at the high schools. Central, Southeast and Wasatch Front South Regions membership for students attending Snow, CEU, SLCC reported by School Districts. ADM is full-time equivalent based on 990 hours.

**State Total**

