

Meeting the Needs of Utah's Secondary Students in Career and Technical Education

Report of FY 2013



Prepared by the

Utah State Office of Education
Career, Technical and Adult Education

November 20, 2013

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Utah Code 53A-15-202 provides that the Utah State Board of Education:

shall, after consulting with school districts, charter schools, the Utah College of Applied Technology, Salt Lake Community College's School of Applied Technology, Snow College, and the College of Eastern Utah, prepare and submit an annual report to the governor and to the Legislature's Education Interim Committee by October 31 of each year detailing: (a) how career and technical education needs of secondary students are being met; and (b) what access secondary students have to programs offered: (i) at applied technology colleges; and (ii) within the regions served by Salt Lake Community College's School of Applied Technology, Snow College, and the College of Eastern Utah.

This report has been prepared for the State Board in fulfillment of this statute.

The Utah State Board of Education provides leadership for career and technical education in the state's public secondary schools, with school districts providing 94 percent of the instruction. Students in local school districts enroll in many excellent programs. School districts exercise forward-looking leadership in maintaining and expanding career and technical education opportunities for their students. Additionally, through creative partnerships with post secondary education partners including the Utah College of Applied Technology (UCAT) and the Utah System of Higher Education (USHE), LEA's assure efficient and effective career and technical education delivery.

Utah school districts have well-developed, successful career and technical education programs that meet many career awareness, career exploration, and career preparation needs for public school students. Below are key data for career and technical education effort in the 2012-13 school year:

- Enrollment in school district career and technical education courses increased by 3.96 percent (5,596 students) in 2012-13 to 146,881, up from 141,285 students in 2011-12.
- School district career and technical education Average Daily Membership (ADM) increased .22 percent (54 ADM) in 2012-13 to 24,646, up from 24,592 ADM in 2011-12.
- School districts delivered 94 percent of all career and technical education membership hours in grades 9-12.

Major accomplishments in career and technical education during the 2012-13 school year include the following:

- Over 229,000 skill certification exams administered, of which 100% were administered online
- *Parent and Teen Guide to High School to College and Career Pathways* updated
- Over 200 articulation agreements developed between high school and post-secondary career and technical education programs in the High School to College and Career Pathway initiative
- Over 3,000 teachers and counselors participating in staff development activities, including industry tours

- Expansion of the Rigorous Programs of Study/Pathways initiative in health science in Weber, Salt Lake and San Juan school districts with articulated pathways to post-secondary CTE programs
- One-third of curriculum standards updated to align with business, industry, and higher education
- Partnerships fostered with school districts, higher education, the Department of Economic Development, the Department of Workforce Services, and the Governor's Office, including industry sector initiatives, student career days, industry tours and work on meeting "Utah's 66% Goal" (i.e., 66 percent of Utah citizens having a post-secondary certificate or degree by the year 2020)
- Career Planning Guide for Grades 7-8 and 9-12 was developed and published to the website along with The Occupations Notebook for counselor and student use
- Expansion of new programs such as engineering, bio-technology, information technology, and ProStart
- Development of a CTE Pathway database and website
- Development of College and Career Ready materials, including occupational data on high-wage, high-demand, high-skill occupations

Data aligned with accomplishments in career and technical education include the following:

- Over 262,000 CTE secondary students participated in internships, field studies, job shadows and career fairs through CTE Introduction and Work-Based Learning activities
- Over 20,000 secondary CTE students participated in CTE concurrent enrollment, earning approximately 70,000 credit hours
- 21,500 secondary students are members of a Career and Technical Student Organization
- 35,000 secondary students concentrated in a specific CTE Pathway
- Over 100 secondary students received CTE scholarships and tuition awards
- 6,000 secondary students received industry certificates or licensure

- **Table 1: School District Change in Student Headcount and ADM**

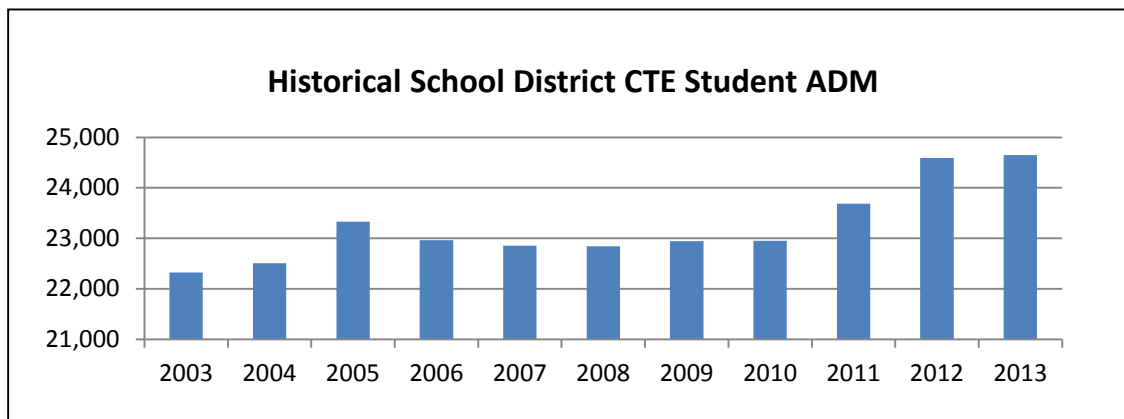
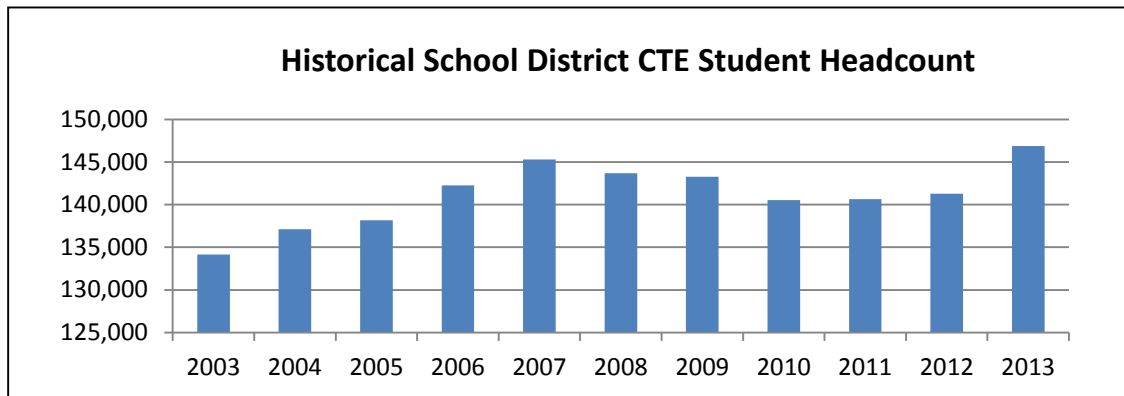
School District Career and Technical Education	2012	2013	Difference 2012 to 2013	Percent Difference 2012 to 2013
Student Headcount	141,285	146,881	+5,596 students	3.96% increase
Average Daily Membership (ADM)	24,592	24,646	+54 ADM	.22% increase

Note: Secondary student headcount is unduplicated by school. Prepared by USOE, CTE Division, 09/13.

Table 2: Historical School District CTE Student Headcount and Average Daily Membership (ADM)

Year	Headcount	ADM
2003	134,160	22,322
2004	137,122	22,503
2005	138,169	23,331
2006	142,954	22,960
2007	145,278	22,856
2008	143,684	22,844
2009	143,273	22,945
2010	140,532	22,951
2011	140,631	23,686
2012	141,285	24,592
2013	146,881	24,646

Prepared by USOE, CTE Division, 09/13.



UCAT Secondary Programs

UCAT is delivering value-added services in many areas of the state. School district respondents indicate that secondary students continue to receive about the same level of service from UCAT training programs as they have had in the past.

- UCAT secondary student headcount decreased by 5.14 percent (-455 students) in 2012-13 to 8,401 students (down from 8,856 students in 2011-12).
- Membership hours for secondary students in UCAT decreased by 1.77 percent (-25,872 hours) in 2012-13, to 1,437,801 hours (down from 1,463,561 hours in 2011-12).
- UCAT campuses report that decreased headcount and membership hours may be a result of increased graduation requirements, the Regents Scholarship, budget cuts, limited capacity, and the remediation needs of students.
- In 2012-13, UCAT provided six percent of the total high school career and technical education program opportunities statewide (as measured in membership) in grades 9-12.

District respondents to a Utah State Office of Education survey said the following regarding UCAT services.

- Most respondents reported fair to excellent collaboration, planning, and relationships with regional UCAT campuses.
- Most responding districts reported availability of UCAT services to their students.
- The majority of districts responded that UCAT services supplement or add value to district programs.
- Most respondents indicated that articulation between the district and UCAT is occurring.
- Districts reported that UCAT is accountable to somewhat accountable in giving state CTE skills tests.
- Most districts reported that local board members are fairly involved on the UCAT regional boards.
- Districts reported that UCAT is a significant partner in CTE planning in the region.
- Districts indicated that decreases in high school participation in UCAT are due to high student fees charged by UCAT, campus caps for high school enrollment in courses, changes in age eligibility for courses, fewer electives for high school students, and UCAT programs closing.
- Districts feel that the lack of tuition generation from high school students provides a disincentive for UCAT to serve high school students.

Table 3: UCAT Change in Secondary Student Headcount and Membership Hours

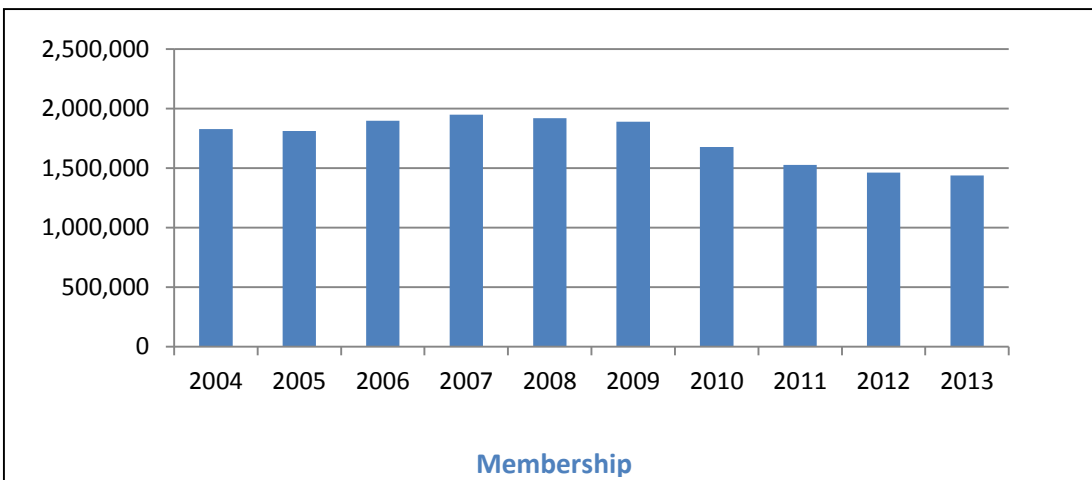
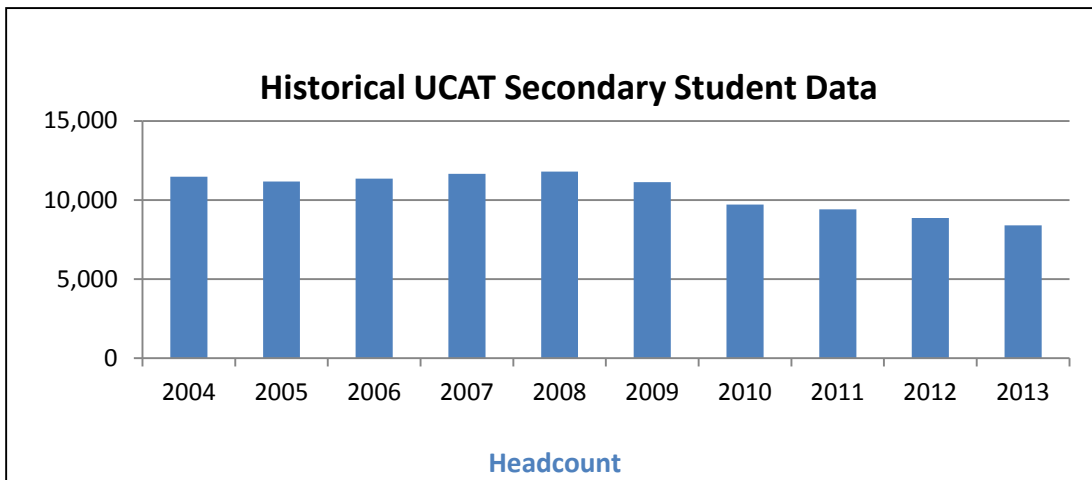
UCAT Secondary Student Data	2012	2013	Difference 2012 to 2013
Student Headcount	8,856	8,401	-5.14%
Membership Hours	1,463,561	1,437,801	-1.76%

Source: UCAT Data 2012 & 2013

Table 4: UCAT Historical Secondary Student Headcount and Membership Hours

Year	UCAT Headcount	UCAT Membership Hours
2004	11,465	1,829,212
2005	11,169	1,812,298
2006	11,361	1,898,077
2007	11,663	1,948,583
2008	11,801	1,919,570
2009	11,127	1,890,601
2010	9,717	1,677,843
2011	9,411	1,528,136
2012	8,856	1,463,561
2013	8,401	1,437,801

Source: UCAT Data 2004-2013



Percentage of Total Secondary CTE Effort

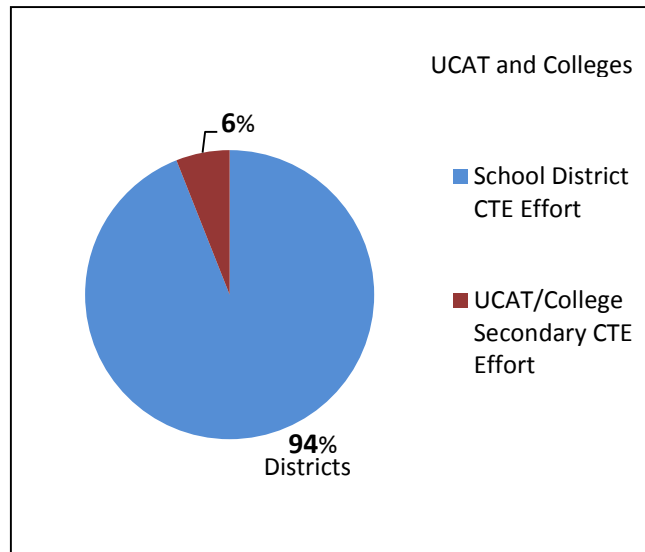


Table 5: Percentage of Total CTE Average Daily Membership (ADM) Grades 9-12, Provided by School Districts and UCAT, Snow, CEU, and SLCC

ATC membership includes both the courses provided at college campuses and ATC courses provided at the high schools. Central, Southeast, and Wasatch Front South Region membership is for students attending Snow College, CEU, and SLCC, and is reported by these institutions. Average daily membership (ADM) is full-time equivalent based on 990 hours. Prepared by USOE, CTE Division, 09/13.

Region	School District Percent of Total Secondary CTE Membership 2012-13	UCAT and USHE Percent of Total Secondary CTE Membership 2012-13
Bear River Region (BATC)	84%	16%
Central Region (Snow)	97%	3%
Davis Morgan Region (DATC)	93%	7%
Dixie Region (DXATC)	97%	3%
Mountainland Region (MATC)	93%	7%
Ogden-Weber Region (OWATC)	91%	9%
Southeast Region (CEU/USU)	96%	4%
Southwest Region (SWATC)	89%	11%
Tooele County (TATC)	100%	0%
Wasatch Front South (SLCC)	100%	0%
Uintah Basin Region (UBATC)	63%	37%
State Total	94%	6%

Table 6: UCAT Change in Secondary Student Headcount and Membership Hours

UCAT Region Campus		2012	2013	Difference	Percent
Bridgerland	Headcount	1,686	1,737	51	3.02%
	Membership	241,527	275,885	34,358	14.23%
Davis	Headcount	1,375	1,095	(280)	-20.36%
	Membership	219,825	206,592	(13,233)	-6.02%
Dixie	Headcount	843	985	142	16.84%
	Membership	42,283	34,638	(7,645)	-18.08%
Mountainland	Headcount	1,349	1,422	73	5.41%
	Membership	377,467	409,941	32,474	8.60%
Ogden-Weber	Headcount	1,293	1,219	(74)	-5.72%
	Membership	223,573	220,051	(3,522)	-1.58%
Southwest	Headcount	880	644	(236)	-26.82%
	Membership	80,286	74,595	(5,691)	-7.09%
Tooele	Headcount	31	30	(1)	-3.23%
	Membership	4,995	3,824	(1,171)	-23.44%
Uintah Basin	Headcount	1,399	1,269	(130)	-9.29%
	Membership	273,605	212,275	(61,330)	-22.42%
UCAT TOTAL	Headcount	8,856	8,401	(455)	-5.14%
	Membership	1,463,561	1,437,801	(25,760)	-1.76%

Source: UCAT Data 2013

Table 7: UCAT Historical Secondary Student Headcount and Membership Hours

		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Bridgerland	Headcount	1,950	2,114	1,976	1,988	1,957	1,686	1,737
	Membership	306,072	328,019	308,027	295,861	269,475	241,527	275,885
Davis	Headcount	1,929	1,958	1,703	1,990	1,661	1,375	1,095
	Membership	328,789	282,010	274,572	322,329	263,040	219,825	206,592
Dixie	Headcount	591	655	786	473	522	843	985
	Membership	94,708	97,501	88,137	66,844	49,489	42,283	34,638
Mountainland	Headcount	1,813	1,867	1,868	1,326	1,284	1,349	1,422
	Membership	433,843	468,550	477,456	347,806	345,932	377,467	409,941
Ogden-Weber	Headcount	2,289	2,252	2,178	1,514	1,360	1,293	1,219
	Membership	326,664	304,724	329,900	253,378	237,415	223,573	220,051
Southwest	Headcount	1,171	1,079	967	763	1,048	880	644
	Membership	146,742	123,498	127,689	89,293	94,121	80,286	74,595
Tooele	Headcount	n/a	n/a	58	59	26	31	30
	Membership	n/a	n/a	5,667	10,759	3,627	4,995	3,824
Uintah Basin	Headcount	1,654	1,488	1,591	1,604	1,553	1,399	1,269
	Membership	247,717	260,227	279,151	291,573	265,037	273,605	212,275
TOTALS	Headcount	11,663	11,413	11,127	9,717	9,411	8,856	8,401
	Membership	1,948,583	1,904,175	1,890,601	1,677,843	1,528,136	1,463,561	1,437,801

Source: UCAT Data 2013

Utah System of Higher Education Partnerships

Utah's colleges and universities are important partners in providing a full range of career and technical education offerings to secondary students through concurrent enrollment and other articulation arrangements that result in credit.

Concurrent enrollment in career and technical education coursework is provided to high school students, with credit granted by both high schools and by cooperating credit-granting (non-UCAT) colleges or universities. Annually, high school students in career and technical education concurrent enrollment courses earn approximately 70,000 credit hours with over 20,000 students participating. CTE concurrent enrollment courses account for approximately 40 percent of the concurrent credit hours awarded by Utah's higher education institutions. Concurrent enrollment opportunities are a critical component as High School to College and Career Pathways are developed to open more career and technical education opportunities for secondary students in higher education.

College of Eastern Utah/Utah State University Eastern

In the 2007 legislative session, the Southeast Applied Technology College (SEATC) was merged with the College of Eastern Utah (CEU). In 2011 CEU became Utah State University Eastern (USU Eastern). The 2007 legislation required CEU/USU Eastern to continue to serve secondary students at no charge, and to work to provide services to the outlying school districts in the region. It also changed the UCAT oversight regional board to an advisory board. CEU/USU Eastern can provide credit or non-credit to high school students. Since this legislative change, the school district personnel and CEU/USU Eastern staff have been working hard to ensure that the same levels of service and funding for secondary students are retained.

Snow College

In the 2003 legislative session, HB161 merged the Central Applied Technology College with Snow College. The legislation requires Snow College to continue to serve secondary students at no charge, and to work to provide services to the outlying school districts in the region. It also established a CTE advisory board. Snow College can provide credit or non-credit to high school students. Snow College Richfield continues to provide programs to secondary students in the Central Region. Snow College had a decrease in program offerings due to budgets and program offering decisions.

Salt Lake Community College

Salt Lake Community College, through its College of Applied Technology, is to serve the needs of secondary students in the Wasatch South Region, with the exception of Tooele County. Last school year, Salt Lake Community College, College of Applied Technology membership for secondary students remained the same as the previous school year. There has been an aggressive effort for programming and work with the districts to develop next step opportunities for high school students, and participation is expected to increase.