



# CTE DIRECTIONS

## Career and Technical Education (CTE) News and Information

November 2017

**Career and Technical Education provides all students access to high-quality, rigorous career-focused programs that result in attainment of credentials with labor market value.**

### Utah CTE Career Pathways: Pathways to College and Career Readiness

The [2017-2018 CTE Career Pathways](#) charts are now available online. Each Career Pathway chart shows the CTE required foundation courses and the CTE elective courses. Students who successfully complete the required 3.0 credits for a specific Career Pathway are considered a CTE Secondary Pathway Completer. Many districts recognize these students at graduation with a Secondary Pathway Completer Recognition Award. Students, ask your school counselor if you're on track to be a CTE Pathway Completer.

For the 2017-2018 school year, **Utah CTE has 56 Career Pathways categorized by 15 Career Clusters®**. Each Career Pathway culminates in an industry-recognized credential of value.

#### Career Cluster

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, Audio/Visual Technology & Communications
- Business Management & Administration
- Education & Training
- Engineering & Technology
- Finance
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections & Security
- Manufacturing
- Marketing
- Transportation, Distribution & Logistics

**Utah Career and Technical Education Career Pathway**  
2017-2018 School Year

Utah Department of Education  
Agriculture, Food & Natural Resources

**Career Cluster: Agriculture, Food & Natural Resources**  
**Career Pathway: Agricultural Systems Technology**

COURSE CODE	FOUNDATION COURSE'S Equivalent	CREDITS
AG 1010 00100	Agriculture Systems Technology	1.00
AG 1010 00200	Agribusiness	1.00
AG 1010 00300	Agribusiness	1.00
AG 1010 00400	Agribusiness	1.00
AG 1010 00500	Agribusiness	1.00
AG 1010 00600	Agribusiness	1.00
AG 1010 00700	Agribusiness	1.00
AG 1010 00800	Agribusiness	1.00
AG 1010 00900	Agribusiness	1.00
AG 1010 01000	Agribusiness	1.00
AG 1010 01100	Agribusiness	1.00
AG 1010 01200	Agribusiness	1.00
AG 1010 01300	Agribusiness	1.00
AG 1010 01400	Agribusiness	1.00
AG 1010 01500	Agribusiness	1.00
AG 1010 01600	Agribusiness	1.00
AG 1010 01700	Agribusiness	1.00
AG 1010 01800	Agribusiness	1.00
AG 1010 01900	Agribusiness	1.00
AG 1010 02000	Agribusiness	1.00
AG 1010 02100	Agribusiness	1.00
AG 1010 02200	Agribusiness	1.00
AG 1010 02300	Agribusiness	1.00
AG 1010 02400	Agribusiness	1.00
AG 1010 02500	Agribusiness	1.00
AG 1010 02600	Agribusiness	1.00
AG 1010 02700	Agribusiness	1.00
AG 1010 02800	Agribusiness	1.00
AG 1010 02900	Agribusiness	1.00
AG 1010 03000	Agribusiness	1.00
AG 1010 03100	Agribusiness	1.00
AG 1010 03200	Agribusiness	1.00
AG 1010 03300	Agribusiness	1.00
AG 1010 03400	Agribusiness	1.00
AG 1010 03500	Agribusiness	1.00
AG 1010 03600	Agribusiness	1.00
AG 1010 03700	Agribusiness	1.00
AG 1010 03800	Agribusiness	1.00
AG 1010 03900	Agribusiness	1.00
AG 1010 04000	Agribusiness	1.00
AG 1010 04100	Agribusiness	1.00
AG 1010 04200	Agribusiness	1.00
AG 1010 04300	Agribusiness	1.00
AG 1010 04400	Agribusiness	1.00
AG 1010 04500	Agribusiness	1.00
AG 1010 04600	Agribusiness	1.00
AG 1010 04700	Agribusiness	1.00
AG 1010 04800	Agribusiness	1.00
AG 1010 04900	Agribusiness	1.00
AG 1010 05000	Agribusiness	1.00
AG 1010 05100	Agribusiness	1.00
AG 1010 05200	Agribusiness	1.00
AG 1010 05300	Agribusiness	1.00
AG 1010 05400	Agribusiness	1.00
AG 1010 05500	Agribusiness	1.00
AG 1010 05600	Agribusiness	1.00
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AG 1010 05800	Agribusiness	1.00
AG 1010 05900	Agribusiness	1.00
AG 1010 06000	Agribusiness	1.00
AG 1010 06100	Agribusiness	1.00
AG 1010 06200	Agribusiness	1.00
AG 1010 06300	Agribusiness	1.00
AG 1010 06400	Agribusiness	1.00
AG 1010 06500	Agribusiness	1.00
AG 1010 06600	Agribusiness	1.00
AG 1010 06700	Agribusiness	1.00
AG 1010 06800	Agribusiness	1.00
AG 1010 06900	Agribusiness	1.00
AG 1010 07000	Agribusiness	1.00
AG 1010 07100	Agribusiness	1.00
AG 1010 07200	Agribusiness	1.00
AG 1010 07300	Agribusiness	1.00
AG 1010 07400	Agribusiness	1.00
AG 1010 07500	Agribusiness	1.00
AG 1010 07600	Agribusiness	1.00
AG 1010 07700	Agribusiness	1.00
AG 1010 07800	Agribusiness	1.00
AG 1010 07900	Agribusiness	1.00
AG 1010 08000	Agribusiness	1.00
AG 1010 08100	Agribusiness	1.00
AG 1010 08200	Agribusiness	1.00
AG 1010 08300	Agribusiness	1.00
AG 1010 08400	Agribusiness	1.00
AG 1010 08500	Agribusiness	1.00
AG 1010 08600	Agribusiness	1.00
AG 1010 08700	Agribusiness	1.00
AG 1010 08800	Agribusiness	1.00
AG 1010 08900	Agribusiness	1.00
AG 1010 09000	Agribusiness	1.00
AG 1010 09100	Agribusiness	1.00
AG 1010 09200	Agribusiness	1.00
AG 1010 09300	Agribusiness	1.00
AG 1010 09400	Agribusiness	1.00
AG 1010 09500	Agribusiness	1.00
AG 1010 09600	Agribusiness	1.00
AG 1010 09700	Agribusiness	1.00
AG 1010 09800	Agribusiness	1.00
AG 1010 09900	Agribusiness	1.00
AG 1010 10000	Agribusiness	1.00

3.00 credits for completion

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**HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING**

There are a number of options for education and training beyond high school, depending on your career goals:

<b>12th Grade</b>	<b>1-Year Certificate</b>	<b>2-Year Associate or Technical Degree</b>	<b>4-Year Bachelor's Degree</b>	<b>Master's Graduate or Prof. Degree</b>
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Students are awarded upon the successful completion of a brief course of study, usually one year or less. Upon completion of a course of study, a certificate does not require any further action to earn. In high school a variety of certificates can be earned.

An academic degree is an award for the completion of a program or course of study over multiple years at postsecondary education institutions.

In 2016-2018, 73 percent of secondary students who completed a CTE Career Pathway placed in postsecondary education, advanced training, military service or employment (October - December 2017).

**Utah Business and Industry Facts**

Utah agricultural products and livestock worth over \$1.8 billion annually.

Students enrolled in high school agricultural courses are looking to join a \$22 billion industry by 2026 and a \$302 billion industry nationwide. (U.S. Department of Agriculture and FFA)

**UtahBusiness.org**, College and Career Planning for many occupations, labor market demand, and training options.

Visit [UtahBusiness.org](http://UtahBusiness.org)

© 2016-2018, 95 USC CTE and certificates were awarded to high school students. Students' knowledge and performance is demonstrated as part of the Dual Certificate process.

In 2016-2018, the graduation rate for students who completed a CTE Career Pathway was 94.8 percent, compared to Utah's statewide graduation rate of 88 percent.

11/2017

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### Alexander Johnson: Future Marketing Professional

Alexander Johnson, a graduate of Clearfield High School, took several business classes while in high school. He received the CTE Secondary Pathway Completer Recognition Award after completing 3.0 credits in the CTE Business and Marketing Pathway.

"I started taking business classes my sophomore year of high school and since then I've taken two CTE classes each year. I found that the information I was learning I could actually [apply] in the real world. I could understand what the accountants were discussing at my work and watched how airline prices fluctuated during on and off season. I felt that I was learning information that was not only important but also applicable to my life.

"I plan on majoring in communications or political science in college and these CTE classes have provided an immense amount of depth to my knowledge. Being a part of these CTE courses has strengthened my knowledge and understanding of the world around me. I look forward to applying it in my college and career experiences," said Alexander.

## Breckon Heywood: New USBE/CTE Business and Marketing Education Specialist

Breckon Heywood has been teaching business and marketing in Utah for 12 years. She has had the opportunity to teach at several schools, including Cyprus High School, Viewmont High School, Bingham High School, and Syracuse High School. Breckon graduated with honors from Utah Valley State College (UVSC) with a BS in Business and Marketing Secondary Education. Breckon is passionate about DECA and FBLA. She was a member of both DECA and FBLA in high school and also a member of collegiate DECA and PBL while attending UVSC. Breckon has also been both the school DECA advisor and FBLA co-advisor throughout her 12 years as an educator.

Breckon has worked with Utah State Board of Education to help rewrite state business and marketing curriculum and create statewide assessments. Breckon is excited to have the opportunity to work more closely with the business and marketing teachers in Utah, and she hopes to continue the great legacy of business and marketing education in our state.

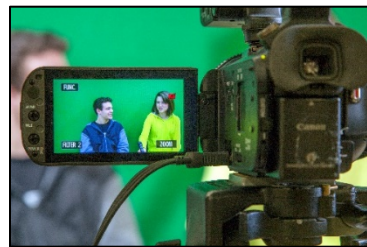
Breckon also enjoys spending her free time playing with her boys and going out to the movies with her husband.

## Utah CTE Video Contest

Utah CTE is accepting entries for student created videos.

**Who:** The contest is open to secondary CTE students. Students can enter individually or as a group.

**What:** Create a short video (90 seconds to 3 minutes) highlighting what you are learning in your CTE classes, CTSOs, work-based learning experiences, CTE Internship, or in CTE concurrent enrollment classes.



**When:** Entries accepted now through Monday, March 5, 2018.

**Why:** Videos will be featured on the Utah CTE webpage and via social media to promote CTE programs throughout Utah.

**How:** Upload your video to YouTube and submit the URL to [UtahCTE@schools.utah.gov](mailto:UtahCTE@schools.utah.gov). Complete contest details at [UtahCTE.org](http://UtahCTE.org).

**Prize:** Each entry (school and/or student) will receive a certificate. Prizes will be announced at a later date.

**Entries Due:** Monday, March 5, 2018. Winners will be announced Monday, April 2, 2018.

## Hour of Code: December 4-10

Plan now to participate in the Hour of Code December 4-10. The Hour of Code takes place during Computer Science Education Week in recognition of the birthday of computing pioneer Admiral Grace Murray Hopper. To date, more than 450 million students worldwide have participated in the Hour of Code.

In Utah, 95 percent of secondary schools and 75 percent of elementary schools will be participating in the Hour of Code, with more than 850 professionals (including industry volunteers) attending classes to support the event. Governor Herbert will also be attending a school to participate in the Hour of Code.

For information about how to organize an event, available tutorials, and answers to frequently asked questions visit <https://hourofcode.com/us#join>. Share your Hour of Code stories with Utah CTE at [UtahCTE@schools.utah.gov](mailto:UtahCTE@schools.utah.gov).

## UtahCTE.org

Looking for information about Utah CTE? Just type [UtahCTE.org](http://UtahCTE.org) in the address bar of your browser and you will be directed to the CTE homepage on the Utah State Board of Education website. How slick is that? We encourage you to use [UtahCTE.org](http://UtahCTE.org) in your online and print communication. [UtahCTE.org](http://UtahCTE.org) is a great way to message, advocate, and share all things Utah CTE.

## Connect with Utah CTE

On the [CTE homepage](http://CTE homepage), the Utah CTE [Facebook](#), [Twitter](#), and [YouTube](#) icons are now prominently displayed. Join our online communities to connect with Utah CTE and stay up-to-date with what is happening in the world of Career and Technical Education.

Share with your colleagues, students, and parents where to sign up for the *CTE Directions* newsletter. Signing up is easy. On the [CTE homepage](http://CTE homepage), select the CTE Directions Newsletter tab and select [Educator](#), [Student](#), or [Community](#).



## Calendar:

<b>November is <a href="#">Utah College Application Month</a></b>	
Students, talk to your school counselor about applying for college during your high schools scheduled Utah College Application Week (UCAW). In 2016, nearly 20,000 Utah high school seniors completed college applications as part of UCAW.	
<b>December 4-10:</b> <a href="#">Hour of Code</a>	<b>December 7:</b> <a href="#">Utah State Board of Education</a> Meeting 250 East 500 South – Salt Lake City, UT
<b>December 6-9:</b> <a href="#">ACTE CareerTech Vision Conference</a>	<b>December 14:</b> <a href="#">Utah State Charter School Board</a> Meeting 250 East 500 South – Salt Lake City, UT
<a href="#">Utah CTE Calendar</a>   <a href="#">ACTE Calendar</a>	<a href="#">Utah School Calendars</a>