

# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



**Agricultural Mechanics Systems  
CAREER PATHWAY**  
Agriculture, Food & Natural Resources  
CAREER CLUSTER

## Career Cluster: Agriculture, Food & Natural Resources


### Career Pathway: Agricultural Mechanics Systems

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Agriculture, Introduction</a>		
HIGH SCHOOL		
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
Agricultural Biotechnology	<a href="#">Agricultural Systems Technology 1</a> +	<a href="#">Business Communication 2</a>
<a href="#">Agricultural Science 1</a>	<a href="#">Biology-Agricultural Science</a>	<a href="#">Environmental Technician</a>
Agricultural Science and Technology Application *	<a href="#">Business Communication 1</a> *	<a href="#">Leadership Principles 1</a> *
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.		
<a href="#">Agricultural Systems Technology 2</a>		
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Agricultural Mechanics, Advanced</a> *		
<a href="#">Agricultural Machinery Technology</a>		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

### HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

There are several options for education and training beyond high school, depending on your career goals.

	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Hydraulic Technician</li> <li>&gt; Maintenance Service Technician</li> <li>&gt; Welder</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Agricultural Engineer Technician</li> <li>&gt; Diesel Mechanic</li> <li>&gt; Equipment Dealer Technician</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Agricultural Engineer</li> <li>&gt; CTE Teacher</li> <li>&gt; Welding Engineer</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"The CTE classes I took in high school, such as agricultural systems and technology, animal science, and floriculture, have given me the basic skills, knowledge and abilities to allow me to obtain employment in any of those fields."

Colton Zilles  
Mountain Crest High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Agriculture, Food & Natural Resources

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FFA

is the Career and Technical Student (CTSO) Organization for students in the Agricultural Mechanics Systems Career Pathway.

[FFA.org](http://FFA.org) | [UtahFFA.org](#)  
[Utah FFA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Agricultural Production Systems  
CAREER PATHWAY  
Agriculture, Food & Natural Resources  
CAREER CLUSTER

## Career Cluster: Agriculture, Food & Natural Resources

### Career Pathway: Agricultural Production Systems

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
<a href="#">Agriculture, Introduction</a>	
HIGH SCHOOL	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
Agricultural Biotechnology	<a href="#">Business Communication 1</a> *
<a href="#">Agricultural Science 1</a> +	<a href="#">Business Communication 2</a>
Agricultural Science and Technology Application *	<a href="#">Environmental Technician</a> *
<a href="#">Biology-Agricultural Science</a>	<a href="#">Leadership Principles 1</a> *
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.	
<a href="#">Agricultural Science 2</a>	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	
UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Crop Scout</li> <li>&gt; Pesticide Handler/Applicator</li> <li>&gt; Storage and Hygiene Coord.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Agricultural Engineer Tech.</li> <li>&gt; Sales Representative</li> <li>&gt; Slaughter/Processor</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Agricultural Inspectors</li> <li>&gt; CTE Teacher</li> <li>&gt; Farm/Ranch Manager</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"My CTE classes and my leadership experience in 4-H and FFA have laid a strong foundation on which I can build upon. I have learned crucial values, including hard work, dedication, and responsibility. I plan to go to college to complete a teaching degree."

Kaitlin Hallam  
Spanish Fork High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Agriculture, Food & Natural Resources

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

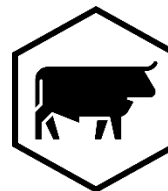
### FFA

is the Career and Technical Student Organization (CTSO) for students in the Agricultural Production Systems Career Pathway.

[FFA.org](http://FFA.org) | [UtahFFA.org](http://UtahFFA.org)  
[Utah FFA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



**Animal & Veterinary Science  
CAREER PATHWAY**  
Agriculture, Food & Natural Resources  
CAREER CLUSTER

## Career Cluster: Agriculture, Food & Natural Resources


### Career Pathway: Animal & Veterinary Science

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Agriculture, Introduction</a>		
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
Agricultural Biotechnology	<a href="#">Business Communication 1</a> *	
<a href="#">Agricultural Science 1</a>	<a href="#">Business Communication 2</a>	
Agricultural Science and Technology Application *	<a href="#">Equine Science 1</a> +	
<a href="#">Animal Science 1</a> +	<a href="#">Leadership Principles 1</a> *	
<a href="#">Aquaculture</a> +	<a href="#">Veterinary Assistant 1</a> +	
<a href="#">Biology-Agricultural Science</a>		
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Animal Science 2</a> *	<a href="#">Guide Dog Training</a>	<a href="#">Veterinary Assistant 2</a>
<a href="#">Equine Science 2</a>	<a href="#">Small and Companion Animal Science</a>	
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

### HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

There are several options for education and training beyond high school, depending on your career goals.

	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Artificial Inseminator</li> <li>&gt; Livestock Auctioneer</li> <li>&gt; Shipping Coordinator</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Herdsman</li> <li>&gt; Livestock Buyer</li> <li>&gt; Veterinary Assistant/Technologist and Technician</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Animal Nutrition Specialist</li> <li>&gt; CTE Teacher</li> <li>&gt; Farm/Ranch Manager</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"I took many CTE classes in high school that were beneficial in preparation for my college education to become a veterinary technician. I have a passion for animals and their well-being and want to pursue a career in agriculture."

Karlie Ault  
American Fork High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Agriculture, Food & Natural Resources

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FFA

is the Career and Technical Student Organization (CTSO) for students in the Animal & Veterinary Science Career Pathway.

[FFA.org](http://FFA.org) | [UtahFFA.org](http://UtahFFA.org)  
[Utah FFA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



Food Science, Dietetics & Nutrition  
CAREER PATHWAY  
Agriculture, Food & Natural Resources  
CAREER CLUSTER

## Career Cluster: Agriculture, Food & Natural Resources

### Career Pathway: Food Science, Dietetics & Nutrition

JUNIOR HIGH / MIDDLE SCHOOL
<a href="#">College and Career Awareness</a>
<a href="#">FCS Exploration</a>
HIGH SCHOOL
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.
<a href="#">Food and Nutrition 1</a> +
<a href="#">Human Development</a> *
<a href="#">Medical Anatomy and Physiology</a> *
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.
<a href="#">Food and Nutrition 2</a>
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.
Dietetics (Course under development. Available school year 2021-2022.)
<a href="#">Food Science</a>
<a href="#">Foundations of Nutrition</a> *
CTE Internship
POSTSECONDARY:
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)
UtahMajors.org: <a href="#">Majors Guide</a>

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	<b>1-Year Certificate</b>	<b>2-Year Assoc. or Tech. Degree</b>	<b>4-Year Bachelor's Degree</b>
	> Food Protections Manager > Food Inspector Assistant > Food Sanitation Coordinator	> Research and Development Technician	> CTE Teacher > Dietitian/Nutritionist > Food Scientist

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

**“Participating in a CTE Internship** helped me to experience the reality of being a dietitian. I participated in a number of activities, including recipe construction, consultations, and food preparation.”

Melissa DeFriez  
Sky View High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Agriculture, Food & Natural Resources

UtahCTE.org: [Fact Sheet](#)

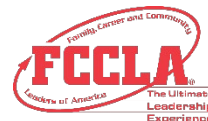
Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FCCLA

is the Career and Technical Student Organization (CTSO) for students in the Food Science, Dietetics & Nutrition Career Pathway.

[FCCLAinc.org](http://FCCLAinc.org) | [UtahFCCLA.org](http://UtahFCCLA.org)

[Utah FCCLA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




**Natural Resource Science  
CAREER PATHWAY**  
Agriculture, Food & Natural Resources  
CAREER CLUSTER

## Career Cluster: Agriculture, Food & Natural Resources

### Career Pathway: Natural Resource Science

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
<a href="#">Agriculture, Introduction</a>	
HIGH SCHOOL	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
Agricultural Biotechnology	<a href="#">Business Communication 1</a> *
<a href="#">Agricultural Science 1</a>	<a href="#">Business Communication 2</a>
Agricultural Science and Technology Application *	<a href="#">Leadership Principles 1</a> *
<a href="#">Aquaculture</a> +	<a href="#">Natural Resource Science 1</a> +
<a href="#">Biology-Agricultural Science</a>	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.	
<a href="#">Natural Resource Science 2</a> *	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	
UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	<b>1-Year Certificate</b>	<b>2-Year Assoc. or Tech. Degree</b>	<b>4-Year Bachelor's Degree</b>
	> Firefighter > Heavy Equipment Operator > Pesticide Handler/Applicator	> Arborist > Fisheries Technician > Forestry Technician	> CTE Teacher > Conservation Officer/Scientist > Wildlife Biologist

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"I enrolled in all of the CTE courses in the Natural Resource Science Pathway. The courses added depth to my understanding. Summer Ag enhanced my practical knowledge in the field. All of this together helped me along my planned path to reach my personal and occupational goals."

Cache Bisel  
South Summit High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Agriculture, Food & Natural Resources

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FFA

is the Career and Technical Student Organization (CTSO) for students in the Natural Resource Science Career Pathway.

[FFA.org](http://FFA.org) | [UtahFFA.org](http://UtahFFA.org)  
[Utah FFA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




**Plant Science  
CAREER PATHWAY**  
Agriculture, Food & Natural Resources  
CAREER CLUSTER

## Career Cluster: Agriculture, Food & Natural Resources

### Career Pathway: Plant Science

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Agriculture, Introduction</a>		
HIGH SCHOOL		
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
Agricultural Biotechnology	<a href="#">Biology-Agricultural Science</a>	<a href="#">Leadership Principles 1</a> *
<a href="#">Agricultural Science 1</a>	<a href="#">Business Communication 1</a> *	<a href="#">Plant and Soil Science 1</a> * +
Agricultural Science and Technology Application *	<a href="#">Business Communication 2</a>	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Floriculture</a>	Landscape Architecture, Intro	<a href="#">Plant and Soil Science 2</a>
<a href="#">Floriculture and Greenhouse Mgmt.</a>	<a href="#">Nursery Operation</a>	Sustainable Urban Agriculture
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Greenhouse Management</a>		
<a href="#">Landscape Management</a> *		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Crop Scout</li> <li>&gt; Irrigation Specialist</li> <li>&gt; Pesticide Handler/Applicator</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Arborist</li> <li>&gt; Landscape Technician</li> <li>&gt; Turf Manager</li> </ul>	<ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> <li>&gt; Crop Advisor</li> <li>&gt; Landscape Designer/Architect</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"I took my first agriculture class, which everyone assumes is strictly about farm animals, and it introduced me to plant biology. The classes took place mostly in the school greenhouse, where I learned to grow plants and flowers from seeds. This is where I found my passion."

Madyson Smith  
Sky View High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Agriculture, Food & Natural Resources

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FFA

is the Career and Technical Student Organization (CTSO) for students in the Plant Science Career Pathway.

[FFA.org](http://FFA.org) | [UtahFFA.org](http://UtahFFA.org)  
[Utah FFA flyer](#)





# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



Architectural Design (CAD)  
CAREER PATHWAY  
Architecture & Construction  
CAREER CLUSTER

## Career Cluster: Architecture & Construction

### Career Pathway: Architectural Design (CAD)

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
<a href="#">Exploring Technology</a>	
HIGH SCHOOL	
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
Secondary Math 2	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
<a href="#">CAD Architectural Design 1</a> * +	<a href="#">Construction Trades Foundation</a> *
<a href="#">Carpentry 1</a> *	<a href="#">Electrician 1</a> *
<a href="#">Construction Technology</a>	<a href="#">Plumbing 1</a>
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.	
<a href="#">CAD Architectural Design 2</a> *	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.	
<a href="#">CAD Architectural Design 3</a> *	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="https://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	
UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	> Civil Drafter	> Architectural Drafter > Civil Drafter	> Architect > Architectural and Engineering Manager > Civil Engineer

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"As a freshman in high school, I was unsure what career path I should focus on. Because of this, I ended up taking a wide variety of courses and finding a passion in designing house plans using the computer. I have chosen to focus on structural and architectural design technology."

Jaxon Schiess  
Wasatch High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Architecture & Construction

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### TSA

is the Career and Technical Student Organization (CTSO) for students in the Architectural Design (CAD) Career Pathway.

[TSAweb.org](https://tsaweb.org) | [UtahTSA.org](https://utahtsa.org)  
[Utah TSA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Construction & Structural Systems  
CAREER PATHWAY  
Architecture & Construction  
CAREER CLUSTER

## Career Cluster: Architecture & Construction

### Career Pathway: Construction & Structural Systems

JUNIOR HIGH / MIDDLE SCHOOL			
<a href="#">College and Career Awareness</a>			
<a href="#">Construction Technology</a>		<a href="#">Exploring Technology</a>	
HIGH SCHOOL			
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
English 1010	<a href="#">Entrepreneurship</a> *	Math 1050	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.			
Construction Management 1 +		<a href="#">Construction Trades Foundation</a> * +	
<a href="#">Construction Technology</a> +		<a href="#">Woods 1</a> +	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.			
<a href="#">Carpentry 1</a> *	Construction Management 2	<a href="#">Electrician 1</a> *	<a href="#">Plumbing 1</a>
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.			
<a href="#">Carpentry 2</a> *	Construction Management 3	<a href="#">Electrician 2</a>	<a href="#">Plumbing 2</a>
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)			
UtahMajors.org: <a href="#">Majors Guide</a>			

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Electrical and Electronics Engineering Technician</li> <li>&gt; Pipefitter (Journey Level)</li> <li>&gt; Plumber (Journey Level)</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Carpenter</li> <li>&gt; Electrical Drafter</li> </ul>	<ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> <li>&gt; Construction Manager</li> <li>&gt; Electrical Engineer</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

The CTE classes I have taken have led me to see that I am interested in a career in construction. With the CTE classes I have learned many skills needed to go farther in my career. I have learned that I like framing, shingling, and now I found out I like doing the finish mud on sheet rock. Once I finish my schooling, I will be able to get a job that I will enjoy and that I can improve throughout my life."

Tyler Stettler  
Murray High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Architecture & Construction

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### SkillsUSA

is the Career and Technical Student Organization (CTSO) for students in the Construction & Structural Systems Career Pathway.

[SkillsUSA.org](http://SkillsUSA.org) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org)  
[SkillsUSA flyer](#)





# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Interior Design  
CAREER PATHWAY  
Architecture & Construction  
CAREER CLUSTER

## Career Cluster: Architecture & Construction

### Career Pathway: Interior Design

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
<a href="#">FCS Exploration</a>	
HIGH SCHOOL	
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
<a href="#">Entrepreneurship</a> *	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
<a href="#">Business Communication 1</a> *	<a href="#">Interior Design 1</a> * +
<a href="#">CAD Architectural Design 1</a> *	<a href="#">Marketing 1</a> *
<a href="#">Digital Graphic Arts Intro</a> *	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.	
<a href="#">Interior Design 2</a> *	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.	
<a href="#">Interior Design 3</a>	
<a href="#">Sewing Construction and Textiles 3</a>	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	
UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	> Photo Stylist	> Architect > CTE Teacher > Interior Designer > Sales Manager

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

**"The most influential decision I made**  
during high school was to participate in a CTE Internship. The path towards interior design began with my quick start into the field through my internship. Because my decision was made during high school, I didn't have to waste thousands of dollars in tuition trying to decide on a major."

Paige Kirschbaum  
American Fork High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Architecture & Construction

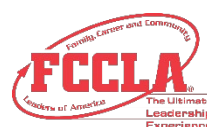
UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FCCLA

is the Career and Technical Student Organization (CTSO) for students in the Interior Design Career Pathway.

[FCCLAinc.org](http://FCCLAinc.org) | [UtahFCCLA.org](http://UtahFCCLA.org)  
[Utah FCCLA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



**Broadcasting & Digital Media  
CAREER PATHWAY**  
Arts, Audio/Visual Technology & Communications  
CAREER CLUSTER

## Career Cluster: Arts, Audio/Visual Technology & Communications

### Career Pathway: Broadcasting & Digital Media

JUNIOR HIGH / MIDDLE SCHOOL			
<a href="#">College and Career Awareness</a>			
HIGH SCHOOL			
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
Drama	Film Making	Music Theater	Photography
Drawing 1	<a href="#">Marketing 1</a> *	Painting	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.			
<a href="#">3D Graphics</a> * +	<a href="#">Computer Science Principles 1</a> * +	<a href="#">Digital Print Design</a> * +	<a href="#">Screen Printing Technology</a> * +
<a href="#">3D Animation</a> * +	<a href="#">Computer Programming 1</a> * +	<a href="#">Game Development Fundamentals 1</a> * +	<a href="#">Web Development 1</a> * +
<a href="#">AR/VR</a> * +	<a href="#">Digital Graphic Arts Intro</a> * +	<a href="#">Information and Communications Technology</a> +	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.			
<a href="#">Digital Media 1</a> *	<a href="#">Digital Audio 1</a>	<a href="#">TV Broadcasting 1</a>	<a href="#">Video Production 1</a> *
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.			
<a href="#">Digital Media 2</a> *	<a href="#">Digital Audio 2</a>	<a href="#">TV Broadcasting 2</a> *	<a href="#">Video Production 2</a> *
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)			
UtahMajors.org: <a href="#">Majors Guide</a>			

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	<b>1-Year Certificate</b>	<b>2-Year Assoc. or Tech. Degree</b>	<b>4-Year Bachelor's Degree</b>
	> Video Editor > Sound Engineering Technician	> Audio Video Equipment Technician > Broadcast Technician > Comm. Equipment Mechanic	> Announcer > Camera Operator > CTE Teacher

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"The CTE courses have helped me focus, get experience, and gain an understanding of the dedication and work required to obtain my goal. These classes have also helped me make the right choice to continue my education."

Marian Vega  
Box Elder High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Arts, Audio/Visual Technology & Communications

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### SkillsUSA

is the Career and Technical Student Organization (CTSO) for students in the Broadcasting & Digital Media Career Pathway.

[SkillsUSA.org](http://SkillsUSA.org) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org)  
[SkillsUSA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



**Fashion, Apparel & Textiles  
CAREER PATHWAY**  
Arts, Audio/Visual Technology & Communications  
CAREER CLUSTER

## Career Cluster: Arts, Audio/Visual Technology & Communications

### Career Pathway: Fashion Apparel & Textiles

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">FCS Exploration</a>		
HIGH SCHOOL		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
<a href="#">Entrepreneurship</a> *		
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
<a href="#">Digital Graphic Arts Intro</a> *	<a href="#">Screen Printing Technology</a> *	
<a href="#">Sports and Outdoor Design 1</a> * +	<a href="#">Sewing Construction and Textiles 1</a> +	<a href="#">Fashion Design Studio</a> * +
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Sports and Outdoor Design 2</a>	<a href="#">Sewing Construction and Textiles 2</a>	<a href="#">Fashion Design Merchandising</a>
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Textile Technology</a>	<a href="#">Sewing Construction and Textiles 3</a>	<a href="#">Fashion Merchandising, Advanced</a>
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	<b>1-Year Certificate</b> > Graphic Designer	<b>2-Year Assoc. or Tech. Degree</b> > Fashion Design and Merchandising	<b>4-Year Bachelor's Degree</b> > CTE Teacher > Fashion Designer > Fashion Illustrator > Textile Scientist

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"The information I learned from the CTE classes provided me with a knowledge base about the theories and application of fashion design. I found it exciting and motivating to be able to take classes in high school that fulfilled my passions."

Tyllar Hubbard  
Herriman High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Arts, Audio/Visual Technology & Communications

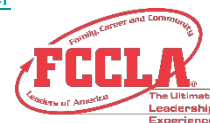
UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

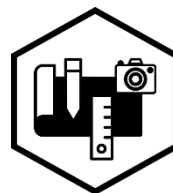
### FCCLA

is the Career and Technical Student Organization (CTSO) for students in the Fashion Apparel & Textiles Career Pathway.

[FCCLAinc.org](http://FCCLAinc.org) | [UtahFCCLA.org](http://UtahFCCLA.org)  
[Utah FCCLA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



**Graphic Design & Communication  
CAREER PATHWAY**  
Arts, Audio/Visual Technology & Communications  
CAREER CLUSTER

## Career Cluster: Arts, Audio/Visual Technology & Communications

### Career Pathway: Graphic Design & Communication

#### JUNIOR HIGH / MIDDLE SCHOOL

[College and Career Awareness](#)

#### HIGH SCHOOL

**SUPPORTING COURSES:** Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)

Drawing 1	Painting
<a href="#">Entrepreneurship</a> *	Photography

**EXPLORER COURSES:** Choose one or more of the following courses.

<a href="#">Commercial Art 1</a> * +	<a href="#">Information and Communications Technology</a>
<a href="#">Digital Graphic Arts Intro</a> * +	<a href="#">Screen Printing Technology</a> *
<a href="#">Digital Print Design</a> *	

**CONCENTRATOR COURSES:** To be a concentrator you must pass one of the following courses AND one explorer course.

<a href="#">Commercial Art 2</a> *	<a href="#">Commercial Photography 1</a> *	<a href="#">Production Graphics 1</a>
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**COMPLETER COURSES:** To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.

<a href="#">Commercial Art 3</a>	<a href="#">Commercial Photography 2</a>	<a href="#">Production Graphics 2</a>
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CTE Internship

#### POSTSECONDARY:


Utah System of Higher Education: [ushe.edu](http://ushe.edu) (Utah's public colleges and universities)

UtahMajors.org: [Majors Guide](#)

\* concurrent enrollment course + recommended explorer course

### HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

There are several options for education and training beyond high school, depending on your career goals.

	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	> Commercial Photographer	> Web Developer	> Art Director > Camera Operator > CTE Teacher > Commercial Designer

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"To reach my goal of becoming a graphic designer and animator, I will need to gain both an education and extensive experience. The CTE classes have given me the preparation and foundation for college that I will need to stay one step ahead in order to succeed."

Lauren Yancey  
Hunter High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Arts, Audio/Visual Technology & Communications

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FBLA | SkillsUSA | TSA

are the Career and Technical Student Organizations (CTSO) for students in the Graphic Design & Communication Career Pathway.

[FBLA-PBL.org](http://FBLA-PBL.org) | [SkillsUSA.org](http://SkillsUSA.org) | [TSAweb.org](http://TSAweb.org)  
[Utah-FBLA-PBL.org](http://Utah-FBLA-PBL.org) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org) | [UtahTSA.org](http://UtahTSA.org)  
[Utah FBLA flyer](#) | [SkillsUSA flyer](#) | [Utah TSA flyer](#)

# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Accounting & Finance  
CAREER PATHWAY  
Business, Finance & Marketing  
CAREER CLUSTER

## Career Cluster: Business, Finance & Marketing

### Career Pathway: Accounting & Finance

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Digital Literacy</a>	<a href="#">Keyboarding</a>	
<a href="#">Exploring Business and Marketing</a>	<a href="#">Word Processing</a>	
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
<a href="#">Accounting 1</a> * +	<a href="#">Business Math and Personal Finance</a> *	<a href="#">Marketing 1</a> *
<a href="#">Business Communication 1</a> *	<a href="#">Customer Service</a> *	<a href="#">Real Estate</a>
<a href="#">Business Communication 2</a>	<a href="#">Economics</a> * +	<a href="#">Sports and Entertainment Marketing</a>
<a href="#">Business Law</a>	<a href="#">Entrepreneurship</a> *	<a href="#">Web Development 1</a> *
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Accounting 2</a> *		
<a href="#">Accounting, Advanced</a>		
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Business and Marketing Capstone</a>		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	N/A	<ul style="list-style-type: none"> <li>&gt; Accountant</li> <li>&gt; Auditor</li> <li>&gt; CTE Teacher</li> <li>&gt; Financial Manager</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"Because of my CTE Internship, I am going to be more prepared when I go into the field of accounting. I will be able to understand and apply it to real hands-on learning experiences."

Brayden Austin  
Sky View High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Business, Finance & Marketing

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

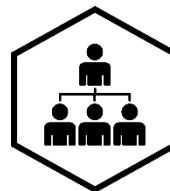
### FBLA

is the Career and Technical Student Organization (CTSO) for students in the Accounting & Finance Career Pathway.

[FBLA-PBL.org](http://FBLA-PBL.org) | [Utah-FBLA-PBL.org](http://Utah-FBLA-PBL.org)  
[Utah FBLa flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Business Administration  
CAREER PATHWAY  
Business, Finance & Marketing  
CAREER CLUSTER

## Career Cluster: Business, Finance & Marketing

### Career Pathway: Business Administration

JUNIOR HIGH / MIDDLE SCHOOL			
<a href="#">College and Career Awareness</a>			
<a href="#">Digital Literacy</a>		<a href="#">Keyboarding</a>	
<a href="#">Exploring Business and Marketing</a>		<a href="#">Word Processing</a>	
HIGH SCHOOL			
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.			
<a href="#">Accounting 1</a> * +	<a href="#">Business Math and Personal Finance</a> *	<a href="#">Entrepreneurship</a> * +	<a href="#">Sports and Entertainment Marketing</a>
<a href="#">Business Communication 1</a> * +	<a href="#">Customer Service</a> *	<a href="#">Leadership Principles 1</a> * +	<a href="#">Web Development 1</a> *
<a href="#">Business Communication 2</a>	<a href="#">Digital Graphic Arts Intro</a> *	<a href="#">Marketing 1</a> * +	
<a href="#">Business Law</a> +	<a href="#">Economics</a> *	<a href="#">Real Estate</a>	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.			
<a href="#">Business Management</a> *			
<a href="#">Leadership Principles 2</a>			
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.			
<a href="#">Business and Marketing Capstone</a>			
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)			
UtahMajors.org: <a href="#">Majors Guide</a>			

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	<ul style="list-style-type: none"> <li>&gt; Account Representative</li> <li>&gt; Consumer Advocate</li> <li>&gt; Dispute Resolution Analyst</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Budget Analyst</li> <li>&gt; CTE Teacher</li> <li>&gt; Credit Counselor</li> <li>&gt; Financial Manager</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

**"Taking Business Management**  
sparked my interest to pursue a business degree. Taking advantage of the CTE program ultimately helped to pinpoint my career trajectory."

Andrew Nadauld  
Murray High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Business, Finance & Marketing

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### DECA | FBLA | FCCLA

are the Career and Technical Student Organizations (CTSO) for students in the Business Administration Career Pathway.

[DECAdirect.org](http://DECAdirect.org) | [UtahDECA.org](http://UtahDECA.org) | [Utah DECA flyer](#)  
[FBLA-PBL.org](http://FBLA-PBL.org) | [Utah-FBLA-PBL.org](http://Utah-FBLA-PBL.org) | [Utah FBLA flyer](#)  
[FCCLAinc.org](http://FCCLAinc.org) | [UtahFCCLA.org](http://UtahFCCLA.org) | [Utah FCCLA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Business Information Management  
CAREER PATHWAY  
Business, Finance & Marketing  
CAREER CLUSTER

## Career Cluster: Business, Finance & Marketing

### Career Pathway: Business Information Management

JUNIOR HIGH / MIDDLE SCHOOL			
<a href="#">College and Career Awareness</a>			
<a href="#">Creative Coding</a>		<a href="#">Keyboarding</a>	
<a href="#">Digital Literacy</a>		<a href="#">Word Processing</a>	
<a href="#">Exploring Business and Marketing</a>			
HIGH SCHOOL			
EXPLORER COURSES: Choose one or more of the following courses.			
<a href="#">Accounting 1</a> *	<a href="#">Business Law</a>	<a href="#">Database Development</a> * +	<a href="#">Entrepreneurship</a> *
<a href="#">Business Communication 1</a> * +	<a href="#">Business Math and Personal Finance</a> *	<a href="#">Digital Graphic Arts Intro</a> *	<a href="#">Information Technology, Intro</a> +
<a href="#">Business Communication 2</a>	<a href="#">Customer Service</a> * +	<a href="#">Economics</a> *	<a href="#">Web Development 1</a> *
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.			
<a href="#">Business Office Specialist</a> *			
<a href="#">Digital Business Applications</a> *			
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway..			
<a href="#">Business and Marketing Capstone</a>			
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)			
UtahMajors.org: <a href="#">Majors Guide</a>			

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	<ul style="list-style-type: none"> <li>&gt; Desktop Publisher</li> <li>&gt; Legal Assistant/Paralegal</li> <li>&gt; Web Developer</li> </ul>	<ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> <li>&gt; General and Operations Manager</li> <li>&gt; Marketing Manager</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"The [Microsoft Office Specialist] certifications helped me land my current job at Lowe's Home Improvement. I am the manager there and perform all of the administrative functions."

Andrew McLay  
Murray High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Business, Finance & Marketing

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FBLA

is the Career and Technical Student Organization (CTSO) for students in the Business Information Management Career Pathway.

[FBLA-PBL.org](#) | [Utah-FBLA-PBL.org](#)  
[Utah FBLA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




**Marketing  
CAREER PATHWAY**  
Business, Finance & Marketing  
CAREER CLUSTER

## Career Cluster: Business, Finance & Marketing

### Career Pathway: Marketing

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Digital Literacy</a>	<a href="#">Keyboarding</a>	
<a href="#">Exploring Business and Marketing</a>	<a href="#">Word Processing</a>	
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
<a href="#">Accounting 1</a> *	<a href="#">Customer Service</a> *	<a href="#">Real Estate</a>
<a href="#">Business Communication 1</a> *	<a href="#">Digital Graphic Arts Intro</a> *	<a href="#">Sports and Entertainment</a> +
<a href="#">Business Communication 2</a> +	<a href="#">Economics</a> *	<a href="#">Web Development 1</a> *
<a href="#">Business Law</a>	<a href="#">Entrepreneurship</a> * +	
<a href="#">Business Math and Personal Finance</a> *	<a href="#">Marketing 1</a> * +	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Digital Marketing</a> *		
<a href="#">Retailing</a> *		
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Business and Marketing Capstone</a>		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="#">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	N/A	<ul style="list-style-type: none"> <li>&gt; Art Director</li> <li>&gt; CTE Teacher</li> <li>&gt; Editor</li> <li>&gt; Graphic Designer</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

**"The business and marketing courses I have taken** in high school have really influenced me in the direction I would like to go for my future education and career."

Rory James Pollard  
Fremont High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Business, Finance & Marketing

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce  
[Utah Occupational Explorer](#)

### DECA

is the Career and Technical Student Organization (CTSO) for students in the Marketing Pathway.

[DECAdirect.org](http://DECAdirect.org) | [UtahDECA.org](http://UtahDECA.org) | [Utah DECA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



**Cybersecurity  
CAREER PATHWAY**  
Computer Science & Information Technology  
CAREER CLUSTER

## Career Cluster: Computer Science & Information Technology


### Career Pathway: Cybersecurity

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Creative Coding</a>		
HIGH SCHOOL		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Current Issues	Math 1050	Secondary Math 2
<a href="#">Law Enforcement</a> *	Photography	Secondary Math 3
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
<a href="#">Computer Programming 1</a> *	<a href="#">Exploring Computer Science</a>	
<a href="#">Computer Science Principles 1</a> *	<a href="#">Information Technology, Intro</a> *	
<a href="#">Database Development</a> *	<a href="#">Web Development 1</a> *	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Cyber Defense and Ethics</a> *	<a href="#">Linux Fundamentals</a> *	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Cloud Computing</a> *	<a href="#">Cybersecurity Forensics</a> *	
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="https://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

### HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

There are several options for education and training beyond high school, depending on your career goals.

	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	> Computer Network Support Specialist	> CTE Teacher > Computer and Information Systems Managers > Computer Programmers

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

**"Getting a degree will help me to pursue** my goal of working as a computer programmer at a large company. CTE classes prepared me by showing me what I would actually be doing in the different job fields and how I would apply the information that I learned in class."

Aaron Montoya  
Jordan High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Computer Science & Information Technology

UtahCTE.org: [Fact Sheet](#)

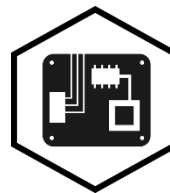
Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FBLA | SkillsUSA | TSA

are the Career and Technical Student Organizations (CTSO) for students in the Cybersecurity Career Pathway.

[FBLA-PBL.org](#) | [SkillsUSA.org](#) | [TSAweb.org](#)  
[Utah-FBLA-PBL.org](#) | [UtahSkillsUSA.org](#) | [UtahTSA.org](#)  
[Utah FBLA flyer](#) | [SkillsUSA flyer](#) | [Utah TSA flyer](#)

# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



Information Technology Systems  
CAREER PATHWAY  
Computer Science & Information Technology  
CAREER CLUSTER

## Career Cluster: Computer Science & Information Technology

### Career Pathway: Information Technology Systems

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Creative Coding</a>		
HIGH SCHOOL		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Math 1050	Secondary Math 2	Secondary Math 3
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
CISCO Certified Networking Associate	<a href="#">Exploring Computer Science</a>	<a href="#">Robotics Technology</a>
<a href="#">Computer Programming 1</a> *	<a href="#">Information Technology, Intro</a> *	<a href="#">Web Development 1</a> *
<a href="#">Computer Science Principles 1</a> *	Microsoft Certified Professional *	
<a href="#">Database Development</a> *	<a href="#">Robotics 1</a>	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.		
<a href="#">A+ Computer Maintenance and Repair</a> *	<a href="#">Geographical Information Systems, Introduction</a>	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Geographic Information Systems Remote Sensing</a> *	<a href="#">Network Fundamentals</a> *	
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="https://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	> Computer Network Support Specialist	> CTE Teacher > Computer Network Architect > Computer and Information Systems Manager

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"This program helped me earn many industry-level certifications including CompTIA, IT Strata Fundamentals, IC3, Microsoft Technical Associate (MIT), OS Fundamentals, and Security and Academy of Information Technology certifications."

Parker Kingsford  
West Jordan High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Computer Science & Information Technology

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
Utah Occupational Explorer

### FBLA | SkillsUSA | TSA

are the Career and Technical Student Organizations (CTSO) for students in Information Technology Systems Career Pathway.

[FBLA-PBL.org](#) | [SkillsUSA.org](#) | [TSAweb.org](#)  
[Utah-FBLA-PBL.org](#) | [UtahSkillsUSA.org](#) | [UtahTSA.org](#)  
[Utah FBLA flyer](#) | [SkillsUSA flyer](#) | [Utah TSA flyer](#)

# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



Programming & Software Development  
CAREER PATHWAY  
Computer Science & Information Technology  
CAREER CLUSTER

## Career Cluster: Computer Science & Information Technology

### Career Pathway: Programming & Software Development

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Creative Coding</a>	<a href="#">Python 1, Intro</a>	
<a href="#">Digital Literacy</a>	<a href="#">Python 2, Intro</a>	
HIGH SCHOOL		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
<a href="#">Leadership Principles 1</a> *	Physics	Secondary Math 3
Math 1050	Secondary Math 2	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
AP Computer Science Principles	<a href="#">Robotics 1</a>	<a href="#">Robotics Technology</a>
<a href="#">Computer Programming 1</a> *	<a href="#">Database Development</a> *	<a href="#">Game Development Fundamentals 1</a>
<a href="#">Computer Science Principles</a> *	<a href="#">Exploring Computer Science</a>	<a href="#">Information Technology, Intro</a>
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Computer Programming 2</a> *	<a href="#">Game Development Fundamentals 2</a>	<a href="#">Mobile Development Fundamentals</a>
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">AP Computer Science</a>	<a href="#">Algorithms and Data Structures</a> *	<a href="#">Computer Programming, Advanced</a> *
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="https://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	> Web Developer	> CTE Teacher > Computer Programmer > Computer Systems Analyst

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"My goal is to become a video game designer or programmer. The classes I took in high school taught me how to use the programs that I would be pursuing in my career field and have given me a taste of what programming and design are like."

Jenny Whitecar  
Syracuse High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Computer Science & Information Technology

UtahCTE.org: [Fact Sheet](#)

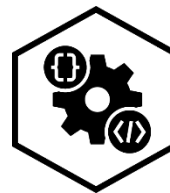
Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FBLA | SkillsUSA | TSA

are the Career and Technical Student Organizations (CTSO) for students in the Programming & Software Development Career Pathway.

[FBLA-PBL.org](#) | [SkillsUSA.org](#) | [TSAweb.org](#)  
[Utah-FBLA-PBL.org](#) | [UtahSkillsUSA.org](#) | [UtahTSA.org](#)  
[Utah FBLA flyer](#) | [SkillsUSA flyer](#) | [Utah TSA flyer](#)

# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



Web Development  
CAREER PATHWAY


Computer Science & Information Technology  
CAREER CLUSTER

## Career Cluster: Computer Science & Information Technology

### Career Pathway: Web Development

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Creative Coding</a>		
HIGH SCHOOL		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
<a href="#">Leadership Principles 1</a> *	Secondary Math 2	World Civilization
Math 1050	Secondary Math 3	World Geography
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
<a href="#">Computer Science Principles 1</a> *	<a href="#">Digital Graphic Arts Intro</a> *	<a href="#">Exploring Computer Science</a>
<a href="#">Database Development</a> *	<a href="#">Entrepreneurship</a> *	<a href="#">Information Technology, Intro</a> *
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">HTML 5 Application Development Fundamentals</a> *		
<a href="#">Web Development 2</a>		
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Web Development Capstone</a>		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="https://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	> Web Developer	> CTE Teacher > Computer and Information Systems Manager > Computer Programmer > Database Administrator

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"My goal is to go to Utah Valley University and obtain an associate degree in computer technology with the focus on Web design. CTE courses have provided experience in several areas that would not be available without CTE."

Zachary Crocker  
Springville High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Computer Science & Information Technology

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

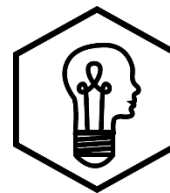
### FBLA SkillsUSA | TSA

are the Career and Technical Student Organizations (CTSO) for students in the Web Development Career Pathway.

[FBLA-PBL.org](#) | [SkillsUSA.org](#) | [TSAweb.org](#)  
[Utah-FBLA-PBL.org](#) | [UtahSkillsUSA.org](#) | [UtahTSA.org](#)  
[Utah FBLA flyer](#) | [SkillsUSA flyer](#) | [Utah TSA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




K-12: Teaching as a Profession  
CAREER PATHWAY  
Education & Training  
CAREER CLUSTER

## Career Cluster: Education & Training

### Career Pathway: K-12: Teaching as a Profession

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
<a href="#">Digital Literacy</a>	
HIGH SCHOOL	
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
<a href="#">Business Communication 2</a>	Psychology
<a href="#">Business Office Specialist</a> *	<a href="#">Web Development 1</a> *
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
<a href="#">Business Communication 1</a> *	Math 1050
English 1010	<a href="#">Teaching as a Profession 1</a> +
<a href="#">Human Development</a> *	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.	
<a href="#">Teaching as a Profession 2</a>	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.	
<a href="#">Teaching as a Profession 3</a> *	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	
UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	> Teacher Assistant/ Para Professional	> Preschool Teacher	> CTE Teacher > Elementary School Teacher > Kindergarten Teacher > Middle School Teacher > Secondary School Teacher > Special Education Teacher

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"My career goal is to become a high school welding teacher. My plan is to attend Utah Valley University and get a bachelor's degree in education. CTE classes have changed my life. All of these classes have taught me skills that I can apply in life, some of which I have already applied in the workforce."

Miguel Lopez  
Provo High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Education & Training

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### Educators Rising

is the Career and Technical Student Organization (CTSO) for students in the K-12: Teaching as a Profession Career Pathway.

[EducatorsRising.org](#)

[Utah Educators Rising flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Pre-K: Early Childhood Education  
CAREER PATHWAY  
Education & Training  
CAREER CLUSTER

## Career Cluster: Education & Training

### Career Pathway: Pre-K: Early Childhood Education

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
<a href="#">FCS Exploration</a>	
HIGH SCHOOL	
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
<a href="#">Business Office Specialist</a> *	<a href="#">Entrepreneurship</a> *
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
<a href="#">Child Development</a>	
<a href="#">Early Childhood Education 1</a> * +	
<a href="#">Food and Nutrition 1</a>	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.	
<a href="#">Early Childhood Education 2</a> *	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.	
<a href="#">Early Childhood Education 3</a>	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	
UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	> Teacher Assistant	> Education Administrator, Preschool > Preschool Teacher Assistant	> CTE Teacher > Elementary Education Teacher > Special Education Teacher > Social Worker

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

**"The CTE classes I have taken**  
throughout high school have introduced  
me to my dream career path. After taking  
child development my sophomore year, I  
decided I wanted a career working with  
children. CTE classes helped me figure  
out what career I want in the future."

Kayla Clopten  
Kearns High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Education & Training

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### EdRising | FCCLA

is the Career and Technical Student  
Organization (CTSO) for students in  
the Pre-K: Early Childhood Education  
Career Pathway.

[EducatorsRising.org](http://EducatorsRising.org) | [Utah Educators Rising flyer](http://Utah Educators Rising flyer)  
[FCCLAinc.org](http://FCCLAinc.org) | [UtahFCCLA.org](http://UtahFCCLA.org) |  
[Utah FCCLA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Engineering  
CAREER PATHWAY  
Engineering & Technology  
CAREER CLUSTER

## Career Cluster: Engineering & Technology

### Career Pathway: Engineering

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Exploring Technology</a>		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Chemistry	Physics	Secondary Math 2
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
<a href="#">CAD Architectural Design 1</a> *	<a href="#">Engineering Principles 1</a> +	<a href="#">Plastics 1</a>
<a href="#">CAD Mechanical Design 1</a> *	<a href="#">Engineering Technology</a>	<a href="#">Robotics 1</a> +
<a href="#">CAM Automated Manufacturing</a>	<a href="#">Machining 1</a> *	<a href="#">Robotics Technology</a>
<a href="#">Composites 1</a>	<a href="#">Manufacturing Principles 1</a> +	<a href="#">Welding Technician, Entry Level</a> *
<a href="#">Electronics 1</a> * +	<a href="#">Metalworking 1</a>	<a href="#">Woods 1</a>
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Aerospace Engineering</a>	<a href="#">Engineering Principles 2</a> *	<a href="#">Materials Science</a>
<a href="#">Electronics 2</a> *	<a href="#">Manufacturing Principles 2</a> *	<a href="#">Robotics 2</a>
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Electronics 3</a> *	<a href="#">Engineering Capstone</a>	
CTE Internship		
<b>POSTSECONDARY:</b>		
Utah System of Higher Education: <a href="https://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Machine Operator</li> <li>&gt; Production Technician</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Electro-Mechanical Technicians</li> <li>&gt; Electronics Equipment Assembler</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Automation Engineer</li> <li>&gt; CTE Teacher</li> <li>&gt; Electrical Engineer</li> <li>&gt; Electronics Drafter</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"I have always liked doing hands-on projects and thinking of different ways to make something better. With the CTE classes I was able to see whole processes, from the design stage on paper to transferring that design and idea into a computer application, then all the way to building a prototype."

Hunter Okerlund  
Fremont High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Engineering & Technology

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### TSA

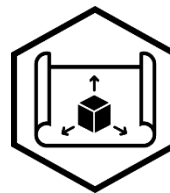
is the Career and Technical Student Organization (CTSO) for students in the Engineering Career Pathway.

[TSAweb.org](http://TSAweb.org) | [UtahTSA.org](http://UtahTSA.org)

[Utah TSA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




**Mechanical Design (CAD)**  
CAREER PATHWAY  
Engineering & Technology  
CAREER CLUSTER

## Career Cluster: Engineering & Technology

### Career Pathway: Mechanical Design (CAD)

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Exploring Technology</a>		
HIGH SCHOOL		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Secondary Math 2		
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
<a href="#">CAD Mechanical Design 1</a> * +	<a href="#">Engineering Technology</a>	<a href="#">Plastics 1</a>
<a href="#">CAM Automated Manufacturing</a>	<a href="#">Machining 1</a> *	<a href="#">Welding Technician, Entry Level</a> *
<a href="#">Composites 1</a>	<a href="#">Metalworking 1</a>	<a href="#">Woods 1</a>
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.		
<a href="#">CAD Mechanical Design 2</a> *		
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">CAD Mechanical Design 3</a> *		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	<ul style="list-style-type: none"> <li>&gt; Engineering Technician</li> <li>&gt; Mechanical Drafter</li> <li>&gt; Mechanical Engineering Technician</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Aerospace Engineer</li> <li>&gt; CTE Teacher</li> <li>&gt; Civil Engineer</li> <li>&gt; Industrial Designer</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"My training, in CTE courses in high school, prepared me for life after high school by helping me discover my love of drafting. I discovered the need for drafters in the world of engineering. I focused my CTE Pathway toward this career goal and have taken some advanced drafting classes to improve both my knowledge of the field and my employability in the field."

Calvin Hill  
Intech Collegiate High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Engineering & Technology

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### TSA

is the Career and Technical Student Organization (CTSO) for students in the Mechanical Design (CAD) Career Pathway.

[TSAweb.org](http://TSAweb.org) | [UtahTSA.org](http://UtahTSA.org)

[Utah TSA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Health Science  
CAREER PATHWAY  
Health Science CAREER CLUSTER

## Career Cluster: Health Science

### Career Pathway: Health Science

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
Exploring Health Science	
HIGH SCHOOL	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
<a href="#">Health Science, Intro</a>	<a href="#">Medical Math</a>
<a href="#">Human Development</a> *	<a href="#">Medical Technology</a>
<a href="#">Medical Anatomy and Physiology</a> *	<a href="#">Medical Terminology</a> *
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.	
<a href="#">Health Science, Advanced</a> *	<a href="#">Physical Therapy, Intro</a>
<a href="#">Biotechnology</a> *	<a href="#">Medical Forensics</a> *
<a href="#">Dental Assistant</a>	<a href="#">Medical Assistant</a>
<a href="#">Emergency Medical Response</a> *	<a href="#">Nurse Assistant (CNA)</a> *
<a href="#">Emergency Medical Technician</a> *	<a href="#">Pharmacy Technician</a> *
<a href="#">Exercise Science/Sports Medicine</a> *	<a href="#">Surgical Technician</a> *
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	
UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Clinical Lab Technician</li> <li>&gt; Certified Nurse Assistant</li> <li>&gt; Emergency Medical Technician</li> <li>&gt; Medical Assistant</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Clinical Lab Technologist</li> <li>&gt; Dental Hygienist</li> <li>&gt; Occupational Therapy Assistant</li> <li>&gt; Registered Nurse (RN)</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Athletic Trainer</li> <li>&gt; CTE Teacher</li> <li>&gt; Forensic Science Technician</li> <li>&gt; Microbiologist</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"By taking the CNA and EMT courses in high school I'm better prepared to enter the workforce. These courses allowed me to gain hands-on learning and on-the-job training through CTE Internships and receive instruction from actual teachers who work in the field."

Taylor Brown  
Riverton High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Health Science

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### HOSA

is the Career and Technical Student Organization (CTSO) for students in the Health Science Career Pathway.

[HOSA.org](http://HOSA.org) | [UTHOSA.wordpress.com](http://UTHOSA.wordpress.com)

[Utah HOSA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Culinary Arts  
CAREER PATHWAY  
Hospitality & Tourism  
CAREER CLUSTER

## Career Cluster: Hospitality & Tourism

### Career Pathway: Culinary Arts

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">FCS Exploration</a>		
HIGH SCHOOL		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
<a href="#">Entrepreneurship</a> *	<a href="#">Event Planning and Management</a>	<a href="#">Hospitality and Tourism</a> *
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
<a href="#">Customer Service</a> *		
<a href="#">Food and Nutrition 1</a>		
<a href="#">Culinary Arts 1</a> * +	<a href="#">ProStart® 1</a> +	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Culinary Arts 2</a>	<a href="#">ProStart® 2</a>	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
Culinary Arts 3 (Course under development. Available school year 2021-2022.)		
Baking and Pastry (Course under development. Available school year 2021-2022.)		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	<ul style="list-style-type: none"> <li>&gt; Baker/Pastry Chef</li> <li>&gt; Sous Chef</li> <li>&gt; Restaurant Manager</li> </ul>	<ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> <li>&gt; Culinary Arts Instructor</li> <li>&gt; Executive Chef</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"I'm going to further my education after high school and study how to become a pastry chef. One day I plan to open my own bakery. By taking culinary classes in high school, I will take the skills and knowledge of food that have learned to the next level and become the best pastry chef I can be."

Marissa Muhlestein  
Granger High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Hospitality & Tourism

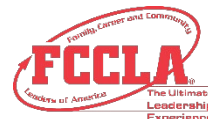
UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FCCLA

is the Career and Technical Student Organization (CTSO) for students in the Culinary Arts Career Pathway.

[FCCLAinc.org](http://FCCLAinc.org) | [UtahFCCLA.org](http://UtahFCCLA.org)  
[Utah FCCLA flyer](#)





# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Hospitality & Tourism  
CAREER PATHWAY  
Hospitality & Tourism  
CAREER CLUSTER

## Career Cluster: Hospitality & Tourism

### Career Pathway: Hospitality & Tourism

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Digital Literacy</a>	<a href="#">Keyboarding</a>	
<a href="#">Exploring Business and Marketing</a>	<a href="#">Word Processing</a>	
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
<a href="#">Accounting 1</a> *	<a href="#">Culinary Arts 1</a> * +	<a href="#">Entrepreneurship</a> * +
<a href="#">Business Communication 1</a> *	<a href="#">Customer Service</a> * +	<a href="#">Marketing 1</a> * +
<a href="#">Business Law</a>	<a href="#">Digital Graphic Arts Intro</a> *	<a href="#">Web Development 1</a> *
<a href="#">Business Math and Personal Finance</a> *	<a href="#">Economics</a> *	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Event Planning and Management</a>		
<a href="#">Hospitality and Tourism</a> *		
<a href="#">Lodging and Recreation</a>		
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Business and Marketing Capstone</a>		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="#">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	N/A	<ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> <li>&gt; Marketing Manager</li> <li>&gt; Meeting, Convention, and Event Planner</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"The CTE courses I took prepared me for my chosen career path. I received knowledge and training in business management and restaurant fundamentals. I would like to open my own restaurant."

Alexis Kingery  
Herriman High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Hospitality & Tourism

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

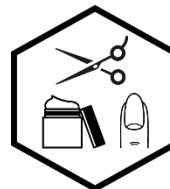
### FBLA

is the Career and Technical Student Organization (CTSO) for students in the Hospitality & Tourism Career Pathway.

[FBLA-PBL.org](http://FBLA-PBL.org) | [Utah-FBLA-PBL.org](http://Utah-FBLA-PBL.org)  
[Utah FBLA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Personal Care Services  
CAREER PATHWAY  
Human Services CAREER CLUSTER

## Career Cluster: Human Services

### Career Pathway: Personal Care Services

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
HIGH SCHOOL	
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
<a href="#">Entrepreneurship</a> *	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
<a href="#">Accounting 1</a> *	
<a href="#">Business Management</a> *	
<a href="#">Business Math and Personal Finance</a> *	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.	
<a href="#">Barbering</a> *	<a href="#">Basic Esthetician and Skin Care</a>
<a href="#">Cosmetology</a> *	<a href="#">Nail Technician/Specialist Manicurist</a> *
<a href="#">Hair Design</a>	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.	
CTE Internship	
<b>POSTSECONDARY:</b> There are many options for education and training beyond high school.	
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	
UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Barber</li> <li>&gt; Cosmetologist</li> <li>&gt; Hair Designer</li> <li>&gt; Manicurists and Pedicurists</li> <li>&gt; Skincare Specialist (Esthetician)</li> </ul>		<ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"The cosmetology CTE courses I took in high school helped teach me the basic knowledge I need to continue in the field. I learned all the tips and tricks to methods and was taught that there is more than just one way to do task."

Alexas Walker  
Tooele High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Human Services

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### SkillsUSA

is the Career and Technical Student Organization (CTSO) for the students in the Personal Care Services Career Pathway.

[SkillsUSA.org](#) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org)  
[SkillsUSA flyer](#)

  
SkillsUSA

# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




**Protective Services  
CAREER PATHWAY**  
Law, Public Safety, Corrections & Security  
CAREER CLUSTER

## Career Cluster: Law, Public Safety, Corrections & Security

### Career Pathway: Protective Services

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
HIGH SCHOOL	
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
<a href="#">Emergency Medical Response</a> *	
<a href="#">Emergency Medical Technician</a> *	
<a href="#">Medical Forensics</a> *	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
<a href="#">Corrections, Intro</a> *	
<a href="#">Criminal Justice, Intro</a> *	
Homeland Security	
<a href="#">Law Enforcement</a> *	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.	
<a href="#">Criminal Law</a> *	Fire Science *
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	
UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Firefighter</li> <li>&gt; First-Line Supervisor of Fire Fighting and Prevention Workers</li> </ul>	N/A	<ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> <li>&gt; Criminal Justice and Law Enforcement Teachers, postsecondary</li> </ul>

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

**"Firefighting is in my blood.** I love being on the scene with my grandfather and learning from him and my fellow firefighters. The pungent smell of smoke really gets me excited to get my career moving. I have never wanted anything more in my life than to be a firefighter."

Nate Buchanan  
Morgan High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Law, Public Safety, Corrections & Security

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### SkillsUSA

is the Career and Technical Student Organization (CTSO) for the students in the Protective Services Career Pathway.

[SkillsUSA.org](http://SkillsUSA.org) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org)

[SkillsUSA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Manufacturing & Production  
CAREER PATHWAY  
Manufacturing CAREER CLUSTER

## Career Cluster: Manufacturing

### Career Pathway: Manufacturing & Production

JUNIOR HIGH / MIDDLE SCHOOL			
<a href="#">College and Career Awareness</a>			
<a href="#">Exploring Technology</a>			
HIGH SCHOOL			
<b>SUPPORTING COURSES:</b> Suggested high school course that supports the Career Pathway (Course DOES NOT count towards the Pathway)			
Secondary Math 2			
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.			
<a href="#">CAD Mechanical Design 1</a> *	<a href="#">Composites 1</a> +	<a href="#">Plastics 1</a> +	<a href="#">Manufacturing Technology</a>
<a href="#">CAM Automated Manufacturing</a>	<a href="#">Manufacturing Principles 1</a>	<a href="#">Woods 1</a> +	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.			
<a href="#">Composites 2</a>			
<a href="#">Plastics 2</a>			
<a href="#">Woods 2</a>			
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.			
<a href="#">Woods 3</a>			
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)			
UtahMajors.org: <a href="#">Majors Guide</a>			

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	> Production Technician	N/A	> CTE Teacher > Manufacturing Engineer

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"I would like a career as a **manufacturing engineer** and go on to pursue my own business in the manufacturing industry. CTE gave me experience for what my career will be like. CTE also [allowed me] to be able to work on the skills that I need to improve on in that specific area."

Garret Maycock  
Tooele High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Manufacturing

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### SkillsUSA | TSA

is the Career and Technical Student Organization (CTSO) for students in the Manufacturing & Production Career Pathway.

[SkillsUSA.org](http://SkillsUSA.org) | [TSAweb.org](http://TSAweb.org)

[UtahSkillsUSA.org](http://UtahSkillsUSA.org) | [UtahTSA.org](http://UtahTSA.org)

[SkillsUSA flyer](#) | [Utah TSA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year



Welding & Machining  
CAREER PATHWAY  
Manufacturing CAREER CLUSTER

## Career Cluster: Manufacturing


### Career Pathway: Welding & Machining

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Exploring Technology</a>		
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
<a href="#">Machining 1</a> *	Sheet Metal	
<a href="#">Metal Working 1</a>	<a href="#">Welding Technician, Entry Level</a> *	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Machining 2</a> *		
<a href="#">Welding Technician, Intermediate Level</a> *		
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
American Welding Society Level 1 Welder	Welding-Pipe Fitting	<a href="#">Welding Technician, Advanced Level</a> *
<a href="#">Non-Destructive Testing</a> *	Welding-Structural Fitting	
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

### HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

There are several options for education and training beyond high school, depending on your career goals.

	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	> Tool and Die Maker > Tool Maker > Welder	> Machine Tool Technician > Welding Technician	> CTE Teacher > Machine Tool Engineer > Welding Engineer

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"The welding and agricultural classes [I took in high school] gave me the needed skills to be successful in my career and in all aspects of life."

Erica McPherson  
Delta High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Manufacturing

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### FFA | SkillsUSA

is the Career and Technical Student Organization (CTSO) for students in the Welding & Machining Career Pathway.

[FFA.org](http://FFA.org) | [SkillsUSA.org](http://SkillsUSA.org)

[UtahFFA.org](http://UtahFFA.org) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org)

[Utah FFA flyer](#) | [SkillsUSA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Auto Mechanics & Repairs  
CAREER PATHWAY  
Transportation, Distribution & Logistics  
CAREER CLUSTER

## Career Cluster: Transportation, Distribution & Logistics

### Career Pathway: Auto Mechanics & Repairs

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Exploring Technology</a>		
HIGH SCHOOL		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
<a href="#">Entrepreneurship</a> *		
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
<a href="#">Automotive, Intro</a> * +	<a href="#">Electronics 1</a> *	<a href="#">Transportation Technology</a>
<a href="#">Collision 1</a> * +	<a href="#">Machining 1</a> *	<a href="#">Welding Technician, Entry Level</a> *
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Collision 2</a>	<a href="#">ASE Chassis MLR</a> *	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">ASE Brakes</a> *	<a href="#">ASE Electrical/Electronics</a> *	<a href="#">ASE Engine Performance</a> *
<a href="#">Collision 3</a> *	<a href="#">ASE Engine MLR</a> *	<a href="#">ASE Steering and Suspension</a> *
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	> Automotive Service Technician – ASE (Automotive Service Excellence) <a href="http://www.ase.com/">www.ase.com/</a> is a national certification for automotive service technicians.	N/A	> CTE Teacher

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"My overall goal of taking CTE courses was to become an automotive technician. I found my passion during my sophomore year and ever since then I've been staying on track with the automotive industry. I took collision and refinishing, and I love it. I found my passion in life and intend to make a full career out of it."

Tyerell Przybycien  
Spanish Fork High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Transportation, Distribution & Logistics

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### SkillsUSA

is the Career and Technical Student Organization (CTSO) for students in the Auto Mechanics & Repairs Career Pathway.

[SkillsUSA.org](#) | [UtahSkillsUSA.org](#)  
[SkillsUSA flyer](#)





# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Aviation  
CAREER PATHWAY  
Transportation, Distribution & Logistics  
CAREER CLUSTER

## Career Cluster: Transportation, Distribution & Logistics

### Career Pathway: Aviation

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Exploring Technology</a>		
HIGH SCHOOL		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
English 1010		
Math 1050		
Math 1060		
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
<a href="#">Aviation History</a> *	Aviation Maintenance 1 **	<a href="#">Machining 1</a> *
Aviation 1 **	<a href="#">Electronics 1</a> *	Unmanned Aerial Systems **
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.		
Aviation 2 **	Aviation Maintenance 2 **	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Air Transportation</a> *	Aviation Weather **	<a href="#">Private Pilot</a>
<a href="#">Aircraft Systems</a> *	<a href="#">Flight Simulator</a> *	
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="#">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course \*\* Strands & Standards available SY 2021-2022

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	> Aircraft Mechanic > Aircraft Service Technician	> Air Traffic Controller	> Aircraft Co-pilot > Aircraft Pilot > CTE Teacher > Flight Engineer

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"I plan to become a certified flight instructor and use that [credential] in order to build up my hours until I can get a job with a local airline. I learned everything I know about planes from Private Pilot Ground School [through CTE]."

Braden Ottley  
Olympus High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Transportation, Distribution & Logistics

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### SkillsUSA

is the Career and Technical Student Organization (CTSO) for students in the Aviation Career Pathway.

[SkillsUSA.org](http://SkillsUSA.org) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org)  
[SkillsUSA flyer](#)



# Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




**Diesel**  
CAREER PATHWAY  
Transportation, Distribution & Logistics  
CAREER CLUSTER

## Career Cluster: Transportation, Distribution & Logistics

### Career Pathway: Diesel

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
<a href="#">Exploring Technology</a>	
HIGH SCHOOL	
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
<a href="#">Entrepreneurship</a> *	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
<a href="#">Automotive Intro</a> * +	<a href="#">Transportation Technology</a>
<a href="#">Electronics 1</a> *	<a href="#">Welding Technician, Entry Level</a> *
<a href="#">Machining 1</a> *	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.	
<a href="#">Diesel 1</a> *	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.	
<a href="#">Diesel 2</a> *	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	
UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	> Automotive Service Technician – ASE (Automotive Service Excellence) <a href="http://www.ase.com/">www.ase.com/</a> is a national certification for automotive service technicians.	N/A	> CTE Teacher

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Student Testimonial

"I completed a CTE Internship at a local garage in my community. Because of the courses I have taken, the safety certifications I have earned, and my internship, Jiffy Lube hired me on the spot. The CTE Pathways program helped me learn to set goals and make wise choices. CTE courses gave me real-life, marketable skills."

Trever Gardner  
Grantsville High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Transportation, Distribution & Logistics

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
[Utah Occupational Explorer](#)

### SkillsUSA

is the Career and Technical Student Organization (CTSO) for students in the Diesel Career Pathway.

[SkillsUSA.org](http://SkillsUSA.org) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org)  
[SkillsUSA flyer](#)

