




Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Agricultural Mechanics Systems

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
Agriculture, Introduction	
HIGH SCHOOL	
EXPLORER COURSES: Choose one or more of the following courses.	
Agricultural Biotechnology	Business Communication 1 *
Agricultural Science 1	Business Communication 2
Agricultural Science and Technology Application *	Environmental Technician
Agricultural Systems Technology 1 +	Leadership Principles 1 *
Biology-Agricultural Science	Industrial & Agriculture Technology
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.	
Agricultural Systems Technology 2	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
Agricultural Mechanics, Advanced *	
Agricultural Machinery Technology	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> > Hydraulic Technician > Maintenance Service Technician > Welder 	<ul style="list-style-type: none"> > Agricultural Engineer Technician > Diesel Mechanic > Equipment Dealer Technician 	<ul style="list-style-type: none"> > Agricultural Engineer > CTE Teacher > 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 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](#)

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 | UtahFFA.org

[Utah FFA flyer](#)





Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Agricultural Production Systems

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
Agriculture, Introduction	
HIGH SCHOOL	
EXPLORER COURSES: Choose one or more of the following courses.	
Agricultural Biotechnology	Business Communication 1 *
Agricultural Science 1 +	Business Communication 2
Agricultural Science and Technology Application *	Environmental Technician *
Biology-Agricultural Science	Leadership Principles 1 *
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.	
Agricultural Science 2	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	> Crop Scout > Pesticide Handler/Applicator > Storage and Hygiene Coord.	> Agricultural Engineer Tech. > Sales Representative > Slaughter/Processor	> Agricultural Inspectors > CTE Teacher > Farm/Ranch Manager

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](#)

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

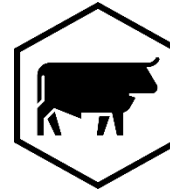
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is the Career and Technical Student Organization (CTSO) for students in the Agricultural Production Systems Career Pathway.

FFA.org | UtahFFA.org

[Utah FFA flyer](#)





Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Animal & Veterinary Science

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Agriculture, Introduction		
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
Agricultural Biotechnology	Business Communication 1 *	
Agricultural Science 1	Business Communication 2	
Agricultural Science and Technology Application *	Equine Science 1 +	
Animal Science 1 +	Leadership Principles 1 *	
Aquaculture +	Veterinary Assistant 1 +	
Biology-Agricultural Science		
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Animal Science 2 *	Guide Dog Training	Veterinary Assistant 2
Equine Science 2	Small Companion Animal Science	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	> Artificial Inseminator > Livestock Auctioneer > Shipping Coordinator	> Herdsman > Livestock Buyer > Veterinary Assistant/Technologist and Technician	> Animal Nutrition Specialist > CTE Teacher > Farm/Ranch Manager

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](#)

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





Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Food Science, Dietetics & Nutrition

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
FCS 6th Grade	
FCS Exploration	
HIGH SCHOOL	
EXPLORER COURSES: Choose one or more of the following courses.	
Food and Nutrition 1 +	
Human Development *	
Medical Anatomy and Physiology *	
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.	
Food and Nutrition 2	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
Dietetics (Course under development. Available SY 2022-2023.)	
Food Science	
Foundations of Nutrition *	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	> 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

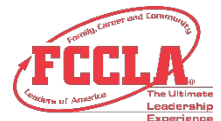
UtahCTE.org: [Fact Sheet](#)

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 | UtahFCCLA.org
[Utah FCCLA flyer](#)





Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Natural Resource Science

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
Agriculture, Introduction	
HIGH SCHOOL	
EXPLORER COURSES: Choose one or more of the following courses.	
Agricultural Biotechnology	Business Communication 1 *
Agricultural Science 1	Business Communication 2
Agricultural Science and Technology Application *	Leadership Principles 1 *
Aquaculture +	Natural Resource Science 1 +
Biology-Agricultural Science	
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.	
Natural Resource Science 2 *	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	> 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

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Agriculture, Food & Natural Resources

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FFA

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

FFA.org | [UtahFFA.org](#)

[Utah FFA flyer](#)






Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Plant Science

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Agriculture, Introduction		
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
Agricultural Biotechnology	Biology-Agricultural Science	Leadership Principles 1 *
Agricultural Science 1	Business Communication 1 *	Plant and Soil Science 1 * +
Agricultural Science and Technology Application *	Business Communication 2	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Floriculture	Landscape Architecture, Intro	Plant and Soil Science 2
Floriculture and Greenhouse Mgmt.	Nursery Operation	Sustainable Urban Agriculture
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Greenhouse Management		
Landscape Management *		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> > Crop Scout > Irrigation Specialist > Pesticide Handler/Applicator 	<ul style="list-style-type: none"> > Arborist > Landscape Technician > Turf Manager 	<ul style="list-style-type: none"> > CTE Teacher > Crop Advisor > Landscape Designer/Architect

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](#)

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 | UtahFFA.org

[Utah FFA flyer](#)





Career Cluster: Architecture & Construction

Career Pathway: Architectural Design (CAD)

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
Exploring Technology	
HIGH SCHOOL	
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
Secondary Math 2	
EXPLORER COURSES: Choose one or more of the following courses.	
CAD Architectural Design 1 * +	Construction Trades Foundation *
Carpentry 1 *	Electrician 1 *
Construction Technology	Plumbing 1
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.	
CAD Architectural Design 2 *	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
CAD Architectural Design 3 *	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: 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.			
	1-2 Year Certificate > Civil Drafter	2-Year Associate Degree > Architectural Drafter > Civil Drafter	4-Year Bachelor's Degree > 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](#)

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 | UtahTSA.org

[Utah TSA flyer](#)





Career Cluster: Architecture & Construction

Career Pathway: Construction & Structural Systems

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
Exploring Technology			
HIGH SCHOOL			
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
English 1010	Entrepreneurship *	Math 1050	
EXPLORER COURSES: Choose one or more of the following courses.			
Construction Management 1 +		Construction Trades Foundation * +	
Construction Technology +		Woods 1 +	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.			
Carpentry 1 *	Construction Management 2	Electrician 1 *	Plumbing 1
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
Carpentry 2 *	Construction Management 3	Electrician 2	Plumbing 2
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: 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.			
	1-2 Year Certificate > Electrical and Electronics Engineering Technician > Pipefitter (Journey Level) > Plumber (Journey Level)	2-Year Associate Degree > Carpenter > Electrical Drafter	4-Year Bachelor's Degree > CTE Teacher > Construction Manager > Electrical Engineer

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](#)

Department of Workforce Services
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SkillsUSA

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

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





Career Cluster: Architecture & Construction

Career Pathway: Interior Design

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
FCS 6th Grade	
FCS Exploration	
HIGH SCHOOL	
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
Entrepreneurship *	
EXPLORER COURSES: Choose one or more of the following courses.	
Business Communication 1 *	Interior Design 1 * +
CAD Architectural Design 1 *	Marketing 1 *
Digital Graphic Arts Intro *	
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.	
Interior Design 2 *	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
Interior Design 3	
Sewing Construction and Textiles 3	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate 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

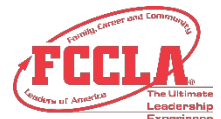
UtahCTE.org: [Fact Sheet](#)

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

FCCLA

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

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[Utah FCCLA flyer](#)





Career Cluster: Arts, Audio/Visual Technology & Communications

Career Pathway: Broadcasting & Digital Media

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)			
Drama	Film Making	Music Theater	Photography
Drawing 1	Marketing 1 *	Painting	
EXPLORER COURSES: Choose one or more of the following courses.			
3D Graphics * +	Computer Science Principles 1 * +	Digital Print Design * +	Screen Printing Technology * +
3D Animation * +	Computer Programming 1 * +	Game Development Fundamentals 1 * +	Web Development 1 * +
AR/VR * +	Digital Graphic Arts Intro * +		
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.			
Digital Media 1 *	Digital Audio 1	TV Broadcasting 1	Video Production 1 *
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
Digital Media 2 *	Digital Audio 2	TV Broadcasting 2 *	Video Production 2 *
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> > Video Editor > Sound Engineering Technician 	<ul style="list-style-type: none"> > Audio Video Equipment Technician > Broadcast Technician > Comm. Equipment Mechanic 	<ul style="list-style-type: none"> > 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](http://UtahCTE.org)

Department of Workforce Services
[Utah Occupational Explorer](http://UtahOccupationalExplorer.org)

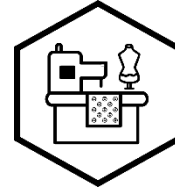
SkillsUSA

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



Utah Career and Technical Education
 Career Pathway Chart
 2021-2022 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		
College and Career Awareness		
FCS 6th Grade		
FCS Exploration		
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Entrepreneurship *		
EXPLORER COURSES: Choose one or more of the following courses.		
Digital Graphic Arts Intro *	Screen Printing Technology *	
Sports and Outdoor Design 1 * +	Sewing Construction and Textiles 1 +	Fashion Design Studio * +
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Sports and Outdoor Design 2	Sewing Construction and Textiles 2	Fashion Design Merchandising
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Textile Technology	Sewing Construction and Textiles 3	Fashion Merchandising, Advanced
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.

	1-2 Year Certificate > Graphic Designer	2-Year Associate Degree > Fashion Design and Merchandising	4-Year Bachelor's Degree > CTE Teacher > Fashion Designer > Fashion Illustrator > Textile Scientist
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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

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Arts, Audio/Visual Technology & Communications

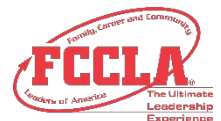
UtahCTE.org: [Fact Sheet](#)

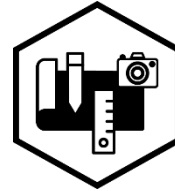
Department of Workforce Services
[Utah Occupational Explorer](#)

FCCLA

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

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





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	
Entrepreneurship *	Photography	
EXPLORER COURSES: Choose one or more of the following courses.		
Commercial Art 1 * +	Robotics Technology	
Digital Graphic Arts Intro * +	Screen Printing Technology *	
Digital Print Design *		
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Commercial Art 2 *	Commercial Photography 1 *	Production Graphics 1
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Commercial Art 3	Commercial Photography 2	Production Graphics 2
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.			
	1-2 Year Certificate > Commercial Photographer	2-Year Associate Degree > Web Developer	4-Year Bachelor's Degree > 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](#)

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

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

[TSAweb.org](#) | [UtahTSA.org](#) | [Utah TSA flyer](#)



Career Cluster: Business, Finance & Marketing


Career Pathway: Accounting & Finance

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Digital Literacy	Exploring Business and Marketing	Word Processing
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
Accounting 1 * +	Business Math and Personal Finance *	Marketing 1 *
Business Communication 1 *	Customer Service *	Real Estate
Business Communication 2	Economics * +	Sports and Entertainment Marketing
Business Law	Entrepreneurship *	Web Development 1 *
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Accounting 2 *		
Accounting, Advanced		
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Business and Marketing Capstone		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	N/A	N/A	<ul style="list-style-type: none"> > Accountant > Auditor > CTE Teacher > Financial Manager

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

FBLA

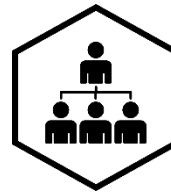
is the Career and Technical Student Organization (CTSO) for students in the Accounting & Finance Career Pathway.

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



Utah Career and Technical Education Career Pathway Chart

2021-2022 School Year



Business Administration
CAREER PATHWAY
Business, Finance & Marketing
CAREER CLUSTER

Career Cluster: Business, Finance & Marketing


Career Pathway: Business Administration

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
Digital Literacy	Exploring Business and Marketing	Word Processing	
HIGH SCHOOL			
EXPLORER COURSES: Choose one or more of the following courses.			
Accounting 1 * +	Business Math and Personal Finance *	Entrepreneurship * +	Sports and Entertainment Marketing
Business Communication 1 * +	Customer Service *	Leadership Principles 1 * +	Web Development 1 *
Business Communication 2	Digital Graphic Arts Intro *	Marketing 1 * +	
Business Law_+	Economics *	Real Estate	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.			
Business Management *			
Leadership Principles 2			
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
Business and Marketing Capstone			
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	N/A	> Account Representative > Consumer Advocate > Dispute Resolution Analyst	> Budget Analyst > CTE Teacher > Credit Counselor > Financial Manager

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

DECA | FBLA

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

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






Career Cluster: Business, Finance & Marketing

Career Pathway: Business Information Management

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
Creative Coding		Exploring Business and Marketing	
Digital Literacy		Word Processing	
HIGH SCHOOL			
EXPLORER COURSES: Choose one or more of the following courses.			
Accounting 1 *	Business Law	Database Development * +	Entrepreneurship *
Business Communication 1 * +	Business Math and Personal Finance *	Digital Graphic Arts Intro *	Information Technology, Intro +
Business Communication 2	Customer Service * +	Economics *	Web Development 1 *
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.			
Business Office Specialist *			
Digital Business Applications *			
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
Business and Marketing Capstone			
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	N/A		> Desktop Publisher > Legal Assistant/Paralegal > Web Developer

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](#)
 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](#)





Career Cluster: Business, Finance & Marketing


Career Pathway: Marketing

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Digital Literacy	Exploring Business and Marketing	Word Processing
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
Accounting 1 *	Customer Service *	Real Estate
Business Communication 1 *	Digital Graphic Arts Intro *	Sports and Entertainment +
Business Communication 2 +	Economics *	Web Development 1 *
Business Law	Entrepreneurship * +	
Business Math and Personal Finance *	Marketing 1 * +	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Digital Marketing *		
Retailing *		
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Business and Marketing Capstone		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	N/A	N/A	<ul style="list-style-type: none"> > Art Director > CTE Teacher > Editor > Graphic Designer

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

DECA

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

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





Career Cluster: Computer Science & Information Technology


Career Pathway: Cybersecurity

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Computer Science Investigations	Creative Coding	
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Current Issues	Math 1050	Secondary Math 2
Law Enforcement *	Photography	Secondary Math 3
EXPLORER COURSES: Choose one or more of the following courses.		
Computer Programming 1 *	Exploring Computer Science	
Computer Science Principles 1 *	Information Technology, Intro *	
Database Development *	Web Development 1 *	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Principles of Cyber Defense and Ethics *	Linux Fundamentals *	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Cybersecurity Forensics *		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate 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](#)

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

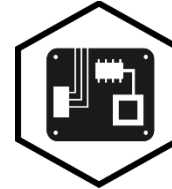
FBLA | SkillsUSA | TSA

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](#)



Career Cluster: Computer Science & Information Technology

Career Pathway: Information Technology Systems

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Computer Science Investigations	Creative Coding	
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Math 1050	Secondary Math 2	Secondary Math 3
EXPLORER COURSES: Choose one or more of the following courses.		
CISCO Certified Networking Associate	Exploring Computer Science	
Computer Programming 1 *	Information Technology, Intro *	Web Development 1 *
Computer Science Principles 1 *	Microsoft Certified Professional *	
Database Development *	Robotics 1	Robotics Technology
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.		
Computer Systems 1	Cloud Computing 1	Geographical Information Systems, Intro
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Computer Systems 2	Cloud Computing 2	Geographic Information Systems Remote Sensing *
Network Fundamentals *		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate 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](#)

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](#)




Career Cluster: Computer Science & Information Technology

Career Pathway: Programming & Software Development

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Computer Science Investigations	Python 1, Intro	
Creative Coding	Python 2, Intro	
Digital Literacy		
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Leadership Principles 1 *	Physics	Secondary Math 3
Math 1050	Secondary Math 2	
EXPLORER COURSES: Choose one or more of the following courses.		
AP Computer Science Principles	Robotics 1	Robotics Technology
Computer Programming 1 *	Database Development *	Game Development Fundamentals 1
Computer Science Principles *	Exploring Computer Science	Information Technology, Intro
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Computer Programming 2 *	Game Development Fundamentals 2	Mobile Development Fundamentals
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
AP Computer Science	Algorithms and Data Structures *	Computer Programming, Advanced *
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
		N/A	> Web Developer

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](#)

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



Career Cluster: Computer Science & Information Technology

Career Pathway: Web Development

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
Computer Science Investigations		Creative Coding	
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
Leadership Principles 1 *	Secondary Math 2	World Civilization	
Math 1050	Secondary Math 3	World Geography	
EXPLORER COURSES: Choose one or more of the following courses.			
Computer Science Principles 1 *	Digital Graphic Arts Intro *	Exploring Computer Science	Web Development 1 *
Database Development *	Entrepreneurship *	Information Technology, Intro *	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.			
HTML 5 Application Development Fundamentals *			
Web Development 2			
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
UX/UI (Course under development. Available SY 2022-2023.)			
Web Development Capstone			
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate 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

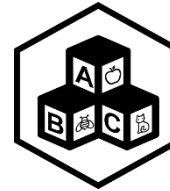
UtahCTE.org: [Fact Sheet](#)

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](#)



Career Cluster: Education & Training

Career Pathway: Pre-K: Early Childhood Education

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
FCS 6th Grade	
FCS Exploration	
HIGH SCHOOL	
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
Business Office Specialist *	Entrepreneurship *
EXPLORER COURSES: Choose one or more of the following courses.	
Child Development	
Early Childhood Education 1 * +	
Food and Nutrition 1	
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.	
Early Childhood Education 2 *	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
Early Childhood Education 3	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate 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

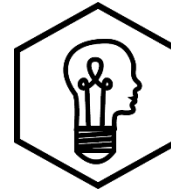
UtahCTE.org: [Fact Sheet](#)
 Department of Workforce Services
[Utah Occupational Explorer](#)

EdRising | FCCLA

are the Career and Technical Student Organizations (CTSOs) for students in the Pre-K: Early Childhood Education Career Pathway.

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






Career Cluster: Education & Training

Career Pathway: K-12: Teaching as a Profession

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
Digital Literacy			
HIGH SCHOOL			
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
Business Communication 2		Psychology	
Business Office Specialist *		Web Development 1 *	
EXPLORER COURSES: Choose one or more of the following courses.			
Business Communication 1 *	English 1010	Human Development *	Math 1050
Teaching as a Profession 1 +			
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.			
Teaching as a Profession 2			
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
Teaching as a Profession 3 *			
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
		> Teacher Assistant/ Para Professional	> Preschool 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](#)
 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](#)





Career Cluster: Engineering & Technology

Career Pathway: Engineering

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Exploring Technology		
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Chemistry	Physics	Secondary Math 2
EXPLORER COURSES: Choose one or more of the following courses.		
CAD Architectural Design 1 *	Engineering Principles 1 +	Plastics 1
CAD Mechanical Design 1 *	Engineering Technology	Robotics 1 +
CAM Automated Manufacturing	Machining 1 *	Robotics Technology
Composites 1	Manufacturing Principles 1 +	Welding Technician, Entry Level *
Electronics 1 * +	Metalworking 1	Woods 1
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Aerospace Engineering	Engineering Principles 2 *	Materials Science
Electronics 2 *	Manufacturing Principles 2 *	Robotics 2_*
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Electronics 3 *		
Engineering Capstone		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.			
	1-2 Year Certificate > Machine Operator > Production Technician	2-Year Associate Degree > Electro-Mechanical Technicians > Electronics Equipment Assembler	4-Year Bachelor's Degree > Automation Engineer > CTE Teacher > Electrical Engineer > Electronics Drafter

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](#)

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

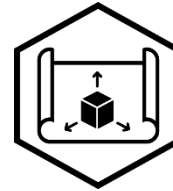
TSA

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

TSAweb.org | UtahTSA.org

[Utah TSA flyer](#)






Career Cluster: Engineering & Technology

Career Pathway: Mechanical Design (CAD)

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Exploring Technology		
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Secondary Math 2		
EXPLORER COURSES: Choose one or more of the following courses.		
CAD Mechanical Design 1 * +	Engineering Technology	Plastics 1
CAM Automated Manufacturing	Machining 1 *	Welding Technician, Entry Level *
Composites 1	Metalworking 1	Woods 1
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.		
CAD Mechanical Design 2 *		
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
CAD Mechanical Design 3 *		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	N/A		<ul style="list-style-type: none"> > Engineering Technician > Mechanical Drafter > Mechanical Engineering Technician

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](#)

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 | UtahTSA.org

[Utah TSA flyer](#)





Career Cluster: Health Science

Career Pathway: Health Science

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Exploring Health Science		
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
Health Science, Intro	Medical Math	
Human Development *	Medical Technology	
Medical Anatomy and Physiology *	Medical Terminology *	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Biotechnology *	Health Science, Advanced *	Nurse Assistant (CNA) *
Dental Assistant	IB Sports Exercise & Health Science SL 1	Pharmacy Technician *
Emergency Medical Response *	IB Sports Exercise & Health Science SL 2	Physical Therapy, Intro
Emergency Medical Technician *	Medical Assistant	Surgical Technician *
Exercise Science/Sports Medicine *	Medical Forensics *	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
IB Sports Exercise & Health Science HL 1	IB Sports Exercise & Health Science HL 2	
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> > Clinical Lab Technician > Certified Nurse Assistant > Emergency Medical Technician > Medical Assistant 	<ul style="list-style-type: none"> > Clinical Lab Technologist > Dental Hygienist > Occupational Therapy Assistant > Registered Nurse (RN) 	<ul style="list-style-type: none"> > Athletic Trainer > CTE Teacher > Forensic Science Technician > Microbiologist

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](#)

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 | UTHOSA.wordpress.com

[Utah HOSA flyer](#)






Career Cluster: Hospitality & Tourism

Career Pathway: Culinary Arts

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
FCS 6th Grade		
FCS Exploration		
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Entrepreneurship *	Event Planning and Management	Hospitality and Tourism *
EXPLORER COURSES: Choose one or more of the following courses.		
Customer Service *		
Food and Nutrition 1		
Culinary 1 * +		
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Culinary 2	ProStart® 1 +	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Culinary 3	ProStart® 2	
Baking and Pastry		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	N/A	<ul style="list-style-type: none"> > Baker/Pastry Chef > Sous Chef > Restaurant Manager 	<ul style="list-style-type: none"> > CTE Teacher > Culinary Arts Instructor > Executive Chef

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

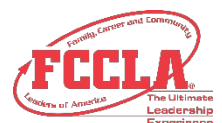
UtahCTE.org: [Fact Sheet](#)

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 | UtahFCCLA.org
[Utah FCCLA flyer](#)





Career Cluster: Hospitality & Tourism


Career Pathway: Hospitality & Tourism

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Digital Literacy	Exploring Business and Marketing	Word Processing
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
Accounting 1 *	Culinary 1 * +	Entrepreneurship * +
Business Communication 1 *	Customer Service * +	Marketing 1 * +
Business Law	Digital Graphic Arts Intro *	Web Development 1 *
Business Math and Personal Finance *	Economics *	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Event Planning and Management		
Hospitality and Tourism *		
Lodging and Recreation		
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Business and Marketing Capstone		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	N/A	N/A	<ul style="list-style-type: none"> > CTE Teacher > Marketing Manager > Meeting, Convention, and Event Planner

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](#)

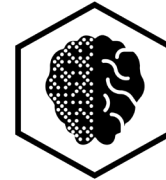
Department of Workforce Services
[Utah Occupational Explorer](#)

FBLA

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

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





Career Cluster: Human Services

Career Pathway: Family & Human Services

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)		
Medical Terminology *	Psychology	Sociology
EXPLORER COURSES: Choose one or more of the following courses.		
Behavioral Health, Intro		
Health Science, Intro	Human Development *	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
The courses listed below are under development. Available SY 2022-2023. NOTE: Course names may change.		
Community and Family Service	Individual and Family Health	Personal and Family Finance
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
The courses listed below are under development. Available SY 2023-2024. NOTE: Course names may change.		
Behavioral Health	Community Health	
Health Career Integration	Social Services	
Mental & Counseling Health		
CTE Internship		
POSTSECONDARY: There are many options for education and training beyond high school.		
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	Information coming soon.	Information coming soon.	Information coming soon.

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

Student Testimonial

"I have come to love the CTE program because it provides me with the opportunity to find both my strengths and my passions. CTE classes are essential to students, like me, who grew up in less populous areas. CTE is the medium through which students display their talent. CTE classes help mold students into who they want to be."

Andrew Grunander
 Box Elder High School

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Human Services

UtahCTE.org: [Fact Sheet](#)

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

FCCLA | HOSA

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

FCCLAinc.org | UtahFCCLA.org

[Utah FCCLA flyer](#)

HOSA.org | UTHOSA.wordpress.com

[Utah HOSA flyer](#)



Career Cluster: Human Services

Career Pathway: Personal Care Services

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)	
Entrepreneurship *	
EXPLORER COURSES: Choose one or more of the following courses.	
Accounting 1 *	
Business Management *	
Business Math and Personal Finance *	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.	
Barbering *	Basic Esthetician and Skin Care
Cosmetology *	Nail Technician/Specialist Manicurist *
Hair Design	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
CTE Internship	
POSTSECONDARY: There are many options for education and training beyond high school.	
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	> Barber > Cosmetologist > Hair Designer > Manicurists and Pedicurists > Skincare Specialist (Esthetician)	>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

"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](#)

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
[SkillsUSA flyer](#)






Career Cluster: Law, Public Safety, Corrections & Security

Career Pathway: Protective Services

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)	
Emergency Medical Response *	
Emergency Medical Technician *	
Medical Forensics *	
EXPLORER COURSES: Choose one or more of the following courses.	
Corrections, Intro *	
Criminal Justice, Intro *	
Homeland Security	
Law Enforcement *	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.	
Criminal Law *	Fire Science *
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
		> Firefighter > First-Line Supervisor of Fire Fighting and Prevention Workers	N/A

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](#)

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 | UtahSkillsUSA.org
[SkillsUSA flyer](#)





Career Cluster: Manufacturing

Career Pathway: Manufacturing & Production

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
Exploring Technology			
HIGH SCHOOL			
SUPPORTING COURSES: Suggested high school course that supports the Career Pathway (Course DOES NOT count towards the Pathway)			
Secondary Math 2			
EXPLORER COURSES: Choose one or more of the following courses.			
CAD Mechanical Design 1 *	Composites 1 +	Plastics 1 +	Manufacturing Technology
CAM Automated Manufacturing	Manufacturing Principles 1	Woods 1 +	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.			
Composites 2			
Plastics 2			
Woods 2			
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
Woods 3			
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: 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.			
	1-2 Year Certificate > Production Technician	2-Year Associate Degree N/A	4-Year Bachelor's Degree > 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](#)
 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 | TSAweb.org
UtahSkillsUSA.org | UtahTSA.org
[SkillsUSA flyer](#) | [Utah TSA flyer](#)






Career Cluster: Manufacturing

Career Pathway: Welding & Machining

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
Exploring Technology	
HIGH SCHOOL	
EXPLORER COURSES: Choose one or more of the following courses.	
Machining 1 *	Sheet Metal
Metalworking 1	Welding Technician, Entry Level *
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.	
Machining 2 *	
Welding Technician, Intermediate Level *	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
Non-Destructive Testing *	Welding-Pipe Fitting
Welding-Structural Fitting	Welding Technician, Advanced Level *
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: 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.			
	1-2 Year Certificate	2-Year Associate 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](#)
 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 | SkillsUSA.org
UtahFFA.org | UtahSkillsUSA.org
[Utah FFA flyer](#) | [SkillsUSA flyer](#)





Career Cluster: Transportation, Distribution & Logistics

Career Pathway: Auto Mechanics & Repairs

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Exploring Technology		
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Entrepreneurship *		
EXPLORER COURSES: Choose one or more of the following courses.		
Automotive, Intro * +	Collision 1 * +	Small Engine Repair
Basic Automotive Collision Repair	Electronics 1 *	Transportation Technology
Bicycle Repair Training	Machining 1 *	Welding Technician, Entry Level *
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Collision 2	ASE Chassis MLR *	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
ASE Brakes *	ASE Electrical/Electronics *	ASE Engine Performance *
Collision 3 *	ASE Engine MLR *	ASE Steering and Suspension *
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	> Automotive Service Technician – ASE (Automotive Service Excellence) www.ase.com/ 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](#)

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](#)





Career Cluster: Transportation, Distribution & Logistics

Career Pathway: Aviation

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

	1-2 Year Certificate > Aircraft Mechanic > Aircraft Service Technician	2-Year Associate Degree > Air Traffic Controller	4-Year Bachelor's Degree > Aircraft Co-pilot > Aircraft Pilot > CTE Teacher > Flight Engineer
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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](#)
 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](#) | [UtahSkillsUSA.org](#)
[SkillsUSA flyer](#)





Career Cluster: Transportation, Distribution & Logistics


Career Pathway: Diesel

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
Exploring Technology	
HIGH SCHOOL	
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
Entrepreneurship *	
EXPLORER COURSES: Choose one or more of the following courses.	
Automotive, Intro * +	Transportation Technology
Electronics 1 *	Welding Technician, Entry Level *
Machining 1 *	
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.	
Diesel 1 *	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
Diesel 2 *	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	> Automotive Service Technician – ASE (Automotive Service Excellence) www.ase.com/ 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](#)

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 | UtahSkillsUSA.org

[SkillsUSA flyer](#)

