

Agricultural Mechanics Systems CAREER PATHWAY

Agriculture, Food & Natural Resources CAREER CLUSTER

Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: <u>Agricultural Mechanics Systems</u>

Agriculture, Intro					
HGH SCHOOL					
SUPPORTING COURSES: Sugg	ested high so	chool courses that suppo	ort the Career Pathw	ay (Courses DO	NOT count towards the Pathway)
ASE Diesel IMMR		Construction Manager	nent 2	Plumbing 2	1
Carpentry 1		Electrician 1 *		Welding Te	echnician, Intermediate *
EXPLORER COURSES: Choose	one or more	of the following courses	i.		
Agricultural Biotechnology		Biology-Agricultural S	cience	Industrial 8	Agriculture Technology
Agricultural Science 1		Business Communica	tion 1 *	Unmanneo	Aerial Systems
Agricultural Science and Technol Application *	ogy	Business Communica			echnician, Entry *
Agricultural Mechanics and Tech	nology 1 +	Business Leadership 1 *			
Automotive, Introduction * +		Construction Trades Foundation * +			
CONCENTRATOR COURSES: 1	o be a conce	entrator you must pass t	ne following course /	AND one explore	er course.
Agricultural Mechanics and Tech	0,				
COMPLETER COURSES: To be	-				
Agricultural Mechanics, Advance	* b	Agricultural Machinery	^r Technology	Welding T	echnician, Advanced *
CTE Internship			Apprenticeship		
POSTSECONDARY: There are r	nany options	for education and training	ng beyond high scho	ool.	
Jtah System of Higher Education	i: <u>ushe.edu</u> (l	Jtah's public colleges ar	nd universities)	UtahMajors.	org: <u>Majors Guide</u>
	+ recomme	ended explorer course			
concurrent enrollment course		-			
concurrent enrollment course		DOGTOCOM		TION AND	
HIGH SCH		POSTSECOND			
HIGH SCH					TRAINING g on your career goals.
HIGH SCH There are several opt				ool, depending	
HIGH SCH	ions for ed		beyond high scho	ool, depending ar	g on your career goals.

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

Advice to Students

"Take as many CTE courses as you can. Take them early so that you can get a head start in your education These classes help you to figure out what you really want to do in life."

> Dallon Clarke Future Diesel Technician

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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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







Agricultural Production Systems CAREER PATHWAY

Agriculture, Food & Natural Resources CAREER CLUSTER

Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Agricultural Production Systems

Agriculture, Intro				
HIGH SCHOOL				
EXPLORER COURSES: Choose	one or more of the following course	es.		
Agricultural Biotechnology		Business Communica	ation 1 *	
Agricultural Science 1 +		Business Communica	ation 2	
Agricultural Science and Technolo	ogy Application *	Business Leadership	1*	
Biology-Agricultural Science				
CONCENTRATOR COURSES: T	o be a concentrator you must pass	the following course AN	D one exploi	er course.
Agricultural Science 2				
COMPLETER COURSES: To be	a completer you must pass a conce	entrator course and enou	ugh courses t	to equal 3.0 credits in this Pathwa
CTE Internship	Apprenticeship			
POSTSECONDARY: There are n	nany options for education and trair	ning beyond high school		
Utah System of Higher Education	: <u>ushe.edu</u> (Utah's public colleges a	and universities)	UtahMajors	s.org: <u>Majors Guide</u>
concurrent enrollment course	+ recommended explorer course	9		
HIGH SCH	OOL TO POSTSECON			
	ons for education and training			
or more	Certificate	2-Yea Associate D		4-Year Bachelor's Degree
	 > Crop Scout > Pesticide Handler/Applicator > Storage and Hygiene Coord. 	 > Agricultural Engine > Sales Representati > Slaughter/Processo 	ve	 > Agricultural Inspectors > CTE Teacher > Farm/Ranch Manager

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Advice to Students

"I would tell every student in high school that taking CTE classes during high school is very helpful. I really do believe that these classes have better prepared me to pursue a career that I love."

> Hadlee Taylor Future Agricultural Economist

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Agriculture, Food & Natural Resources

UtahCTE.org: Fact Sheet

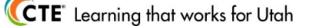
Department of Workforce Services Utah Occupational Explorer

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

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Animal & Veterinary Science CAREER PATHWAY

Agriculture, Food & Natural Resources CAREER CLUSTER

Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Animal & Veterinary Science

Agriculture, Intro			
HIGH SCHOOL			
EXPLORER COURSES: Choose one of	r more of the following cours	Ses.	
Agricultural Biotechnology		Business Communica	ation 1 *
Agricultural Science 1		Business Communica	ation 2
Agricultural Science and Technology Ap	plication *	Equine Science 1 +	
Animal Science 1 +		Business Leadership 1 *	
Aquaculture +		Veterinary Assistant 1 +	
Biology-Agricultural Science			
CONCENTRATOR COURSES: To be a	a concentrator you must pas	s one of the following cou	irses AND one explorer course.
Animal Science 2 *	Guide Dog Training		Veterinary Assistant 2
Equine Science 2	Small Companion A	Animal Science	
COMPLETER COURSES: To be a com	pleter you must pass a cond	centrator course and enor	ugh courses to equal 3.0 credits in this Pathway
Food Products and Processing	CTE Internship		Apprenticeship
POSTSECONDARY: There are many c	ptions for education and tra	ining beyond high school	
Utah System of Higher Education: ushe	.edu (Utah's public colleges	and universities)	UtahMajors.org: Majors Guide
* concurrent enrollment course + rec	ommonded explorer cours	20	

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

er more	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

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

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

Advice to Students

"I would advise students to make sure they [complete] one CTE Pathway. Building new skills by taking these classes will make your resume look amazing. Especially if you earn the certificates after passing the class at the end of the year."

> Mylee Burgon Future Veterinary Technician

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Agriculture, Food & Natural Resources

UtahCTE.org: Fact Sheet

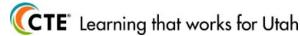
Department of Workforce Services Utah Occupational Explorer

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







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 SCHO	OL				
College and Career Awareness					
FCS 6th Grade					
FCS Exploration					
HIGH SCHOOL					
EXPLORER COURSES: Choose	e one or more of the following courses	S.			
Food and Nutrition +					
Human Development *					
Medical Anatomy and Physiology	у *				
CONCENTRATOR COURSES:	To be a concentrator you must pass t	the following course ANI	O one explorer	course.	
Dietetics and Nutrition 1					
COMPLETER COURSES: To be	e a completer you must pass a concer	ntrator course and enou	gh courses to	equal 3.0 credits in this Pathway	
Dietetics and Nutrition 2	Food Science				
Food Products and Processing		Foundations of Nutriti	idations of Nutrition *		
CTE Internship		Apprenticeship			
POSTSECONDARY: There are	many options for education and traini	ing beyond high school.			
Utah System of Higher Education	n: <u>ushe.edu</u> (Utah's public colleges a	nd universities)	UtahMajors.c	org: <u>Majors Guide</u>	
concurrent enrollment course	+ recommended explorer course	1			
	IOOL TO POSTSECONE tions for education and training				
a a t		2-Year		4-Year	
E more	Certificate	Associate De	egree	Bachelor's Degree	
Certificate Food Protections Manager Food Inspector Assistant Food Sanitation Coordinator		> Research and Deve Technician	lopment	 > CTE Teacher > Dietitian/Nutritionist > Food Scientist 	

that result in attainment of credentials with labor market value. Credentials of Value

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

Advice to Students

"Enroll in CTE, you will not regret it!

CTE classes will undoubtedly help you see what you want for your future and help in your journey of self-discovery. I have not taken a CTE class in which I did not learn something about myself or a skill that will help me in the future and in life."

> Cambri Schmitt Future Registered Dietitian

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



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Natural Resource Science CAREER PATHWAY

Agriculture, Food & Natural Resources CAREER CLUSTER

Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Natural Resource Science

Agricultura Intro					
Agriculture, Intro					
HIGH SCHOOL					
EXPLORER COURSES: Choose	one or more of the following courses	s			
Agricultural Biotechnology		Business Communication 1 *			
Agricultural Science 1		Business Communication 2			
Agricultural Science and Technol	ogy Application *	Business Leadership 1 *			
Aquaculture +		Natural Resource Science 1 +			
Biology-Agricultural Science					
CONCENTRATOR COURSES:	To be a concentrator you must pass th	he following course AND one explo	orer course.		
Natural Resource Science 2 *					
COMPLETER COURSES: To be	a completer you must pass a concen	trator course and enough courses	to equal 3.0 credits in this Pathway		
CTE Internship		Apprenticeship			
POSTSECONDARY: There are I	many options for education and trainir	ng beyond high school.			
Utah System of Higher Educatior	n: <u>ushe.edu</u> (Utah's public colleges an	nd universities) UtahMajo	s.org: Majors Guide		
, ,			°		
concurrent enrollment course	+ recommended explorer course				
concurrent enrollment course	+ recommended explorer course				
	+ recommended explorer course OOL TO POSTSECOND	ARY EDUCATION AN	D TRAINING		
HIGH SCH	OOL TO POSTSECOND				
HIGH SCH	•	beyond high school, dependi	ng on your career goals.		
HIGH SCH There are several opt	OOL TO POSTSECOND tions for education and training	beyond high school, dependi 2-Year	ng on your career goals. 4-Year		
HIGH SCH There are several opt	OOL TO POSTSECOND tions for education and training Certificate	beyond high school, dependi 2-Year Associate Degree	ng on your career goals. 4-Year Bachelor's Degree		
There are several op	OOL TO POSTSECOND tions for education and training	beyond high school, dependi 2-Year	ng on your career goals. 4-Year		

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

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Advice to Students

"CTE provides you with job like classes where you get exposure to what you would be doing as if you were working in that field. Take as many classes as you can. You won't regret it." Presley Chappell

Future Natural Resource Specialist

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Agriculture, Food & Natural Resources

UtahCTE.org: Fact Sheet

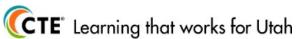
Department of Workforce Services <u>Utah Occupational Explorer</u>

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









Plant Science CAREER PATHWAY

Agriculture, Food & Natural Resources CAREER CLUSTER

Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Plant Science

Agricultura Intro			
Agriculture, Intro			
HIGH SCHOOL			
EXPLORER COURSES: Choose one or m	nore of the following courses.		
Agricultural Biotechnology	Biology-Agricultural Science	Business Leade	rship 1 *
Agricultural Science 1	Business Communication 1 *	Plant and Soil S	cience 1 * +
Agricultural Science and Technology Application *	Business Communication 2		
CONCENTRATOR COURSES: To be a co	oncentrator you must pass one of the following o	courses AND one expl	orer course.
Floriculture	Landscape Architecture, Intro	Plant and Soil S	cience 2
Floriculture and Greenhouse Mgmt.	Nursery Operation	Sustainable Urb	an Agriculture
COMPLETER COURSES: To be a comple	eter you must pass a concentrator course and e	nough courses to equa	al 3.0 credits in this Pathway
Floriculture, Advanced	Greenhouse Management	Landscape Man	agement *
CTE Internship	Apprenticeship		
POSTSECONDARY: There are many opti	ons for education and training beyond high scho	bol.	
Utah System of Higher Education: ushe.ed	u (Utah's public colleges and universities)	UtahMajors.org:	Majors Guide
concurrent enrollment course + recon	mended explorer course		
	-		
HIGH SCHOOL 1	TO POSTSECONDARY EDUCA	ATION AND TR	RAINING
	education and training beyond high sch		

or more	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	 > Crop Scout > Irrigation Specialist > Pesticide Handler/Applicator 	> Arborist > Landscape Technician > Turf Manager	 > CTE Teacher > Crop Advisor > Landscape Designer/Architect

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Advice to Students

"In high school you are given opportunities to take many different classes. These classes are built into a CTE Pathway. If you find a class you like I suggest you find out what other classes are in that pathway and work on completing a pathway. CTE Pathways are a great opportunity to find future career interests."

Morgyn Orgill Future Agricultural Education Teacher

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Agriculture, Food & Natural Resources

UtahCTE.org: Fact Sheet

Department of Workforce Services Utah Occupational Explorer

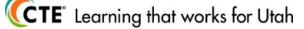
FFA

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

FFA.org | UtahFFA.org

<u>Utah FFA flyer</u>







Architectural & Interior Design CAREER PATHWAY

Architecture & Construction CAREER CLUSTER

Career Cluster: Architecture & Construction

Career Pathway: Architectural & Interior Design

DL			
FCS 6th Grade		FCS Explo	oration
ested high school courses that su	pport the Career Pathwa	y (Courses DO	NOT count towards the Pathway)
	Secondary Math 2		
one or more of the following cour	ses.		
Construction Trade	es Foundation *	Plumbing	1
Digital Media 1 *		Small Bus	iness Math *
Electrician 1 *		Unmanneo	d Aerial Systems
Interior Design 1 *	+		
To be a concentrator you must pag	ss the following course Al	ND one explore	er course.
	Interior Design 2 *		
a completer you must pass a con	centrator course and eno	ugh courses to	o equal 3.0 credits in this Pathway
Interior Design 3		Sewing Co	onstruction and Textiles 3
	Apprenticeship		
nany options for education and tra	aining beyond high schoo	l.	
i: <u>ushe.edu</u> (Utah's public colleges	s and universities)	UtahMajors	.org: <u>Majors Guide</u>
+ recommended explorer cour	'se		
•			
OOL TO POSTSECO			D TRAINING
ions for education and traini	ng beyond high schoo	ol, depending	g on your career goals.
	2-Yea	r	4-Year
Certificate			Bachelor's Degree
> Civil Drafter			 Architect Architectural and Engineering Manager
	FCS 6th Grade ested high school courses that su one or more of the following cour Construction Trade Digital Media 1 * Electrician 1 * Interior Design 1 * To be a concentrator you must pass a con Interior Design 3 nany options for education and trais : ushe.edu (Utah's public colleges + recommended explorer cour OOL TO POSTSECOI ions for education and traini Certificate	FCS 6th Grade ested high school courses that support the Career Pathway Secondary Math 2 one or more of the following courses. Construction Trades Foundation * Digital Media 1 * Electrician 1 * Interior Design 1 * + To be a concentrator you must pass the following course AI Interior Design 1 * + To be a concentrator you must pass the following course and eno Interior Design 3 Apprenticeship nany options for education and training beyond high schoo :: ushe.edu (Utah's public colleges and universities) + recommended explorer course OOL TO POSTSECONDARY EDUCAT ions for education and training beyond high school : ushe.edu (Ltah's public colleges and universities) + recommended explorer course OOL TO POSTSECONDARY EDUCAT ions for education and training beyond high school : certificate Associate D > Civil Drafter > Architectural Drafter	FCS 6th Grade FCS Explore ested high school courses that support the Career Pathway (Courses DO Secondary Math 2 one or more of the following courses. Secondary Math 2 One or more of the following courses. Plumbing Digital Media 1* Small Bus Electrician 1* Unmannee Interior Design 1*+ Interior Design 2* a completer you must pass the following course AND one explore Interior Design 2* a completer you must pass a concentrator course and enough courses to Interior Design 3 Mapprenticeship Sewing Col Mapprenticeship UtahMajors + recommended explorer course UtahMajors + recommended explorer course UtahMajors + recommended explorer course 2-Year Associate Degree > Civil Drafter

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

Advice to Students

"Just do it! You don't look as cool outside of class as you do inside a Career and Technical Education course. Real life experience is priceless. CTSOs provide the opportunity to learn and grow."

> Eric Manzanares Future Architect

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Architecture & Construction

UtahCTE.org: Fact Sheet

Department of Workforce Services <u>Utah Occupational Explorer</u>

FCCLA | TSA

are the Career and Technical Student Organization (CTSO) for students in the Architectural Design (CAD) & Interior Design Career Pathway. FCCLAinc.org | UtahFCCLA.org Utah FCCLA flyer

TSAweb.org | UtahTSA.org Utah TSA flyer

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Construction & Structural Systems CAREER PATHWAY

Architecture & Construction CAREER CLUSTER

Career Cluster: Architecture & Construction

Career Pathway: Construction & Structural Systems

JUNIOR HIGH / MIDDLE SCHOO	L				
College and Career Awareness					
Exploring Technology					
HIGH SCHOOL					
SUPPORTING COURSES: Sugge	ested high so	chool courses that suppo	ort the Career Pathway	(Courses DO	NOT count towards the Pathway)
Business Office Specialist *		English 1010		Math 1050)
Customer Service *					
EXPLORER COURSES: Choose of	one or more	of the following courses			
Agricultural Mechanics and Techn	ology 1	Construction Trades F	oundation * +	Unmanneo	d Aerial Systems
Architectural Design 1 * +		Entrepreneurship *		Welding T	echnician, Entry *
Construction Management 1 +		Interior Design 1 *		Woods 1 +	-
Construction Technology +		Metalworking 1			
CONCENTRATOR COURSES: To	o be a conce	entrator you must pass o	ne of the following cour	ses AND one	e explorer course.
Carpentry 1 *	Constructi	on Management 2	Electrician 1 *		Plumbing 1
COMPLETER COURSES: To be a	a completer	you must pass a concen	trator course and enoug	gh courses to	equal 3.0 credits in this Pathway.
Carpentry 2 *	Constructi	on Management 3	Electrician 2		Plumbing 2
CTE Internship			Apprenticeship		
POSTSECONDARY: There are m	any options	for education and trainir	ng beyond high school.		
Utah System of Higher Education:	ushe.edu (l	Jtah's public colleges an	nd universities) UtahMajors.org: Majors Guide		org: <u>Majors Guide</u>
* concurrent enrollment course	+ recomme	nded explorer course			
HIGH SCHO		POSTSECOND	ARY EDUCAT		
					g on your career goals.
			beyond nigh school	, dependinț	g on your career goals.
or			2-Year		4-Year
E more	С	ertificate	Associate De	gree	Bachelor's Degree
COLLE	Engineer > Pipefitter	and Electronics ing Technician (Journey Level) (Journey Level)	 > Carpenter > Electrical Drafter > General Contractor 		 > CTE Teacher > Civil Engineer > Construction Manager > Electrical Engineer > Environmental Engineer
		n provides all students a nment of credentials wit			

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Advice to Students

"Take as many CTE classes as you can. It is a great way to learn a little bit about a lot of different areas. CTE classes taught me about careers that I did not know about. It is a great way to develop skills that will help you throughout your life. I also met good friends in CTE classes because I was able to be around people with the same interests."

> Tyler Bruck Future Construction Manager

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Architecture & Construction

UtahCTE.org: Fact Sheet

Department of Workforce Services Utah Occupational Explorer

UAFC Pathwavs

SkillsUSA

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

SkillsUSA.org | UtahSkillsUSA.org

SkillsUSA Utah flyer



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Broadcasting & Digital Media CAREER PATHWAY

Arts, Audio/Visual Technology & Communications CAREER CLUSTER

Career Cluster: Arts, Audio/Visual Technology & Communications

Career Pathway: <u>Broadcasting & Digital Media</u>

JUNIOR HIGH / MIDDLE SCHOO	L				
College and Career Awareness					
HIGH SCHOOL					
SUPPORTING COURSES: Sugge	ested high sc	hool courses that suppo	ort the Career Pathway	(Courses DO	NOT count towards the Pathway)
Drama	Film Makir	ng Music Theater			Photography
Drawing 1	Marketing	1 *	Painting		
EXPLORER COURSES: Choose	one or more	of the following courses	s.		
3D Graphics * +		Computer Science Pri	nciples * +	Unmanneo	d Aerial Systems
3D Print Technology		Digital Media 1 * +		Web Deve	lopment 1 * +
AR/VR * +		Digital Media 2 *			
Computer Programming 1 * +		Graphic Print Design	1 * +		
CONCENTRATOR COURSES: T	o be a conce	entrator you must pass o	one of the following cour	ses AND one	e explorer course.
3D Animation 1 * +		Digital Media, Advanced *		TV Broadcasting 1	
Digital Audio 1		Radio Production 1		Video Production 1 *	
COMPLETER COURSES: To be a	a completer y	/ou must pass a concer	ntrator course and enou	gh courses to	equal 3.0 credits in this Pathway.
3D Animation 2		Digital Media Capstone		TV Broado	asting 2 *
Digital Audio 2		Radio Production 2		Video Proc	duction 2 *
CTE Internship			Apprenticeship		
POSTSECONDARY: There are m	any options	for education and traini	ng beyond high school.		
Utah System of Higher Education:	ushe.edu (L	Jtah's public colleges ar	nd universities)	UtahMajors.	org: <u>Majors Guide</u>
* concurrent enrollment course	+ recomme	nded explorer course			
HIGH SCHO	DOL TO	POSTSECOND			TRAINING
					g on your career goals.
u or			2-Year		4-Year
more	С	ertificate	Associate De	egree	Bachelor's Degree
COL	 > Camera > Designer > Graphic > Videogram 		 > Audio Technician > Audio Video Equipm > Broadcast Technicia > Production Specialis 	in	 > CTE Teacher > Audio Engineer > Motion Graphic Artist > Producer

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Advice to Students

"I would highly recommend getting involved in everything CTE has to offer. You only have so much time in high school so DON'T WAIT! Being in CTE classes allowed me to get internships and eventually a job in the video production industry."

> Foster Parker Future Film Director

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Arts, Audio/Visual Technology & Communications

UtahCTE.org: Fact Sheet

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 | UtahSkillsUSA.org

SkillsUSA Utah flyer



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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 so	chool courses that suppor	rt the Career Pathway (Courses DO NOT count towards the Pathway)	
Entrepreneurship *		Small Business Math *		
EXPLORER COURSES: Choose one or more	of the following courses.			
Digital Media 1 *	Media 1 *		Screen Printing Technology *	
Sports and Outdoor Design 1 * +	Sewing Construction a	nd Textiles 1 +	Fashion Design Studio * +	
CONCENTRATOR COURSES: To be a conce	entrator you must pass or	ne of the following cours	ses AND one explorer course.	
Sports and Outdoor Design 2 *	Sewing Construction ar	nd Textiles 2	Fashion Design Merchandising	
COMPLETER COURSES: To be a completer	you must pass a concent	rator course and enoug	gh courses to equal 3.0 credits in this Pathway.	
Textile Technology	Sewing Construction ar	nd Textiles 3	Fashion Merchandising, Advanced	
CTE Internship		Apprenticeship		
POSTSECONDARY: There are many options	for education and training	g beyond high school.		
Utah System of Higher Education: ushe.edu (l	Jtah's public colleges and	d universities)	UtahMajors.org: Majors Guide	
* concurrent enrollment course + recomme	ended 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.

er more	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
COLL	> Graphic Designer	> Fashion Design and Merchandising	 > 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.

Advice to Students

"Discover a passion and pursue it. CTE provides credits for graduation and sparks perseverance to thrive beyond high school. Complete a CTE Pathway. They are priceless because they provide a kickstart to occupations."

> Sophia Alba Future Fashion Designer

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Arts, Audio/Visual Technology & Communications

UtahCTE.org: Fact Sheet

Department of Workforce Services Utah Occupational Explorer

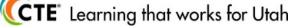
FCCLA

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

FCCLAinc.org UtahFCCLA.org

Utah FCCLA flyer







Graphic Design & Communication CAREER PATHWAY

Arts, Audio/Visual Technology & Communications CAREER CLUSTER

Career Cluster: Arts, Audio/Visual Technology & Communications

Career Pathway: Graphic Design & Communication

College and Career Awareness HIGH SCHOOL SUPPORTING COURSES: Sugge Drawing 1 English 1010 EXPLORER COURSES: Choose of 3D Graphics * Mechanical Design and Engineering 1 * Commercial Art 1 * + Customer Service *	Painting Math 1050 one or more of the following cours Digital Business Applications * Digital Illustration *		Courses DO Small Busin Photograph	ess Math *
SUPPORTING COURSES: Sugge Drawing 1 English 1010 EXPLORER COURSES: Choose of 3D Graphics * Mechanical Design and Engineering 1 * Commercial Art 1 * + Customer Service *	Painting Math 1050 one or more of the following cours Digital Business Applications * Digital Illustration *	es.	Small Busin	ess Math *
Drawing 1 English 1010 EXPLORER COURSES: Choose of 3D Graphics * Mechanical Design and Engineering 1 * Commercial Art 1 * + Customer Service *	Painting Math 1050 one or more of the following cours Digital Business Applications * Digital Illustration *	es.	Small Busin	ess Math *
English 1010 EXPLORER COURSES: Choose of 3D Graphics * Mechanical Design and Engineering 1 * Commercial Art 1 * + Customer Service *	Math 1050 one or more of the following cours Digital Business Applications * Digital Illustration *			
EXPLORER COURSES: Choose of 3D Graphics * Mechanical Design and Engineering 1 * Commercial Art 1 * + Customer Service *	one or more of the following cours Digital Business Applications * Digital Illustration *		Photograph	у
3D Graphics * Mechanical Design and Engineering 1 * Commercial Art 1 * + Customer Service *	Digital Business Applications *			
Mechanical Design and Engineering 1 * Commercial Art 1 * + Customer Service *	Digital Illustration *	Digital Media 2 *		
Commercial Art 1 * + Customer Service *	5			Retailing *
Customer Service *	District the state of the state	Entrepreneurship *		Unmanned Aerial Systems
	Digital Marketing *	Graphic Print Design 1 *		
	Digital Media 1 * +	Interior Design 1 *		<u> </u>
CONCENTRATOR COURSES: TO	o be a concentrator you must pas	s one of the following cours	ses AND one	e explorer course.
Commercial Art 2 *	Commercial Photography 1 *	Graphic Print Design 2 *	Graphic Print Design 2 * Screen Printing Technol	
COMPLETER COURSES: To be a	a completer you must pass a conc	centrator course and enoug	h courses to	equal 3.0 credits in this Pathwa
Commercial Art 3	Commercial Photograp	ohy 3	Graphic Prir	nt Design 3
Commercial Photography 2	Graphic Design Capsto	one *		
CTE Internship		Apprenticeship		
POSTSECONDARY: There are m	pany options for education and trai	ining beyond high school		
			L Itah Majar	a arra Majara Cuida
Utah System of Higher Education:			Otaniviajon	s.org: <u>Majors Guide</u>
concurrent enrollment course	+ recommended explorer cours	Se		
	OOL TO POSTSECON			
There are several opti	ons for education and trainin	g beyond high school,	depending	g on your career goals.
b		2-Year		4-Year
5 more	Certificate	Associate De	gree	Bachelor's Degree
COLLE	 Camera Operator Commercial Photographer 	> Graphic Artist > UX/UI Designer > Web Designer		 > Art Director > CTE Teacher > Commercial Designer > Product Developer > Web/App Developer

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

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

Advice to Students

"It is amazing to take CTE courses and learn so many different skills. I was trying to find my future when I took commercial art and discovered that I loved it! If you find something you like try to do an internship. You will be able to get more hands-on experience in the field and you will get to see what's going on in the real world."

> Zachary Gray Future Graphic Designe

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Arts, Audio/Visual Technology & Communications

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 Graphic Design & Communication Career Pathway.

<u>FBLA-PBL.org</u> | <u>Utah-FBLA-PBL.org</u> | <u>Utah FBLA flyer</u>

SkillsUSA.org | UtahSkillsUSA.org | SkillsUSA Utah flyer

TSAweb.org | UtahTSA.org | Utah TSA flyer

132109-SB

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Business CAREER PATHWAY

Business, Finance & Marketing CAREER CLUSTER

Career Cluster: Business, Finance & Marketing

Career Pathway: Business

College and Career Awareness	i			
Digital Literacy		Word Processing		
HIGH SCHOOL				
SUPPORTING COURSES: Sug	ggested high school courses that sup	port the Career Pathway (Courses DO	NOT count towards the Pathway)	
Business Sales (coming 2025)		Influence and Content Marketing		
		Sports and Outdoor Design 1 *		
EXPLORER COURSES: Choos	se one or more of the following cours	es.		
Accounting 1 * +	Business Office Specialist *	Entrepreneurship * +	Small Business Math *	
Business Communication 1 * +	Customer Service *	Exploring Business and Marketing	Sports and Recreation Marketing	
Business Communication 2	Digital Business Applications *	Marketing 1 * +	Web Development 1 *	
Business Law +	Digital Media 1 *	Real Estate		
Business Leadership 1 * +	Economics *	Retailing *		
CONCENTRATOR COURSES	: To be a concentrator you must pass	s one of the following courses AND one	e explorer course.	
Business Management *		Business Leadership 2		
Dusiness Manayemeni		Dusiness Leadership Z		
	pe a completer you must pass a conc	entrator course and enough courses to	o equal 3.0 credits in this Pathwa	
COMPLETER COURSES: To b		·	o equal 3.0 credits in this Pathwa	
COMPLETER COURSES: To b Business, Finance, and Market		·	o equal 3.0 credits in this Pathwa	
COMPLETER COURSES: To b Business, Finance, and Market CTE Internship	ng Capstone	entrator course and enough courses to <u>Apprenticeship</u>	o equal 3.0 credits in this Pathwa	
COMPLETER COURSES: To b Business, Finance, and Market CTE Internship POSTSECONDARY: There are	e many options for education and trai	Apprenticeship ning beyond high school.		
COMPLETER COURSES: To b Business, Finance, and Market CTE Internship POSTSECONDARY: There are Utah System of Higher Education	ng Capstone	Apprenticeship ning beyond high school. and universities) UtahMajors.	o equal 3.0 credits in this Pathwa	
COMPLETER COURSES: To b Business, Finance, and Market CTE Internship POSTSECONDARY: There are Utah System of Higher Educatio concurrent enrollment cours	e many options for education and trai on: <u>ushe.edu</u> (Utah's public colleges e + recommended explorer cours	entrator course and enough courses to Apprenticeship ning beyond high school. and universities) UtahMajors. e	org: <u>Majors Guide</u>	
COMPLETER COURSES: To be Business, Finance, and Market CTE Internship POSTSECONDARY: There are Utah System of Higher Education concurrent enrollment cours HIGH SCI	ing Capstone e many options for education and trai on: <u>ushe.edu</u> (Utah's public colleges e + recommended explorer cours HOOL TO POSTSECON	Apprenticeship ning beyond high school. and universities) UtahMajors. e DARY EDUCATION AND	org: <u>Majors Guide</u>	
COMPLETER COURSES: To be Business, Finance, and Market CTE Internship POSTSECONDARY: There are Utah System of Higher Education concurrent enrollment cours HIGH SCI	ing Capstone e many options for education and trai on: <u>ushe.edu</u> (Utah's public colleges e + recommended explorer cours HOOL TO POSTSECON	entrator course and enough courses to Apprenticeship ning beyond high school. and universities) UtahMajors. e	org: <u>Majors Guide</u>	
COMPLETER COURSES: To be Business, Finance, and Market CTE Internship POSTSECONDARY: There are Utah System of Higher Education concurrent enrollment cours HIGH SCI	ing Capstone e many options for education and trai on: <u>ushe.edu</u> (Utah's public colleges e + recommended explorer cours HOOL TO POSTSECON	Apprenticeship ning beyond high school. and universities) UtahMajors. e DARY EDUCATION AND	org: <u>Majors Guide</u>	
COMPLETER COURSES: To be Business, Finance, and Market CTE Internship POSTSECONDARY: There are Utah System of Higher Education concurrent enrollment cours HIGH SCI	ing Capstone e many options for education and trai on: <u>ushe.edu</u> (Utah's public colleges e + recommended explorer cours HOOL TO POSTSECON	Apprenticeship ning beyond high school. and universities) UtahMajors. e DARY EDUCATION ANE g beyond high school, depending	org: <u>Majors Guide</u> D TRAINING g on your career goals.	

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

Advice to Students

"Taking CTE classes has helped me a lot. The classes are engaging while also being informative. I would suggest taking them because not only do you get a certificate you also learn a lot of valuable skills. There is no downside to CTE classes."

> Logan Burrell Future Business Owner

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 Career Pathway.

DECAdirect.org | UtahDECA.org | Utah DECA flyer FBLA-PBL.org | Utah-FBLA-PBL.org | Utah FBLA flyer



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CAREER PATHWAY Business, Finance & Marketing CAREER CLUSTER

Career Cluster: Business, Finance & Marketing

Career Pathway: Finance

College and Career Awarenes	S				
Digital Literacy		Word Processing	Word Processing		
HIGH SCHOOL					
SUPPORTING COURSE: Sug	gested high school courses that supp	port the Career Pathway (Courses DO	NOT count towards the Pathway)		
Business Management *		General Financial Literacy			
Digital Marketing *		International Sales			
EXPLORER COURSES: Choo	ose one or more of the following cours	ses.			
Accounting 1 * +	Business Law +	Entrepreneurship *	Retailing *		
Business Communication 1 *	Customer Service *	Exploring Business and Marketing	Small Business Math *		
Business Communication 2	Digital Business Applications *	Marketing 1 *	Sports and Recreation Marketing		
Business Office Specialist *	Economics * +	Real Estate	Web Development 1 *		
CONCENTRATOR COURSES	5: To be a concentrator you must pas	s one of the following courses AND o	ne explorer course.		
Accounting 2 *	Accounting, Advance	ced Investing	and Wealth Management		
COMPLETER COURSES: To	be a completer you must pass a cond	centrator course and enough courses	to equal 3.0 credits in this Pathw		
Business, Finance, and Marke	ting Capstone				
CTE Internship		Apprenticeship			
POSTSECONDARY: There a	re many options for education and tra	ining beyond high school.			
Utah System of Higher Educat	tion: <u>ushe.edu</u> (Utah's public colleges	and universities) UtahMa	jors.org: <u>Majors Guide</u>		
concurrent enrollment cour	se + recommended explorer cours	se			
	- -				
HIGH SC	HOOL TO POSTSECON	NDARY EDUCATION AN	DIRAINING		
There are several of	options for education and trainir	ng beyond high school, dependii	ng on your career goals.		
		2-Year	4-Year		
5 more	Certificate	Associate Degree	Bachelor's Degree		
COLL	N/A	N/A	> 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.

Advice to Students

"Being involved in CTE is a wonderful opportunity in high school. I encourage all high schoolers to be involved in CTE. Completing a CTE Pathway will help prepare you for college and your career by allowing you to learn so much more about business."

> Will Marx Future Business Professional

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Business, Finance & Marketing

UtahCTE.org: Fact Sheet

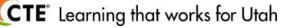
Department of Workforce Services Utah Occupational Explorer

FBLA

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

FBLA-PBL.org Utah-FBLA-PBL.org Utah FBLA flyer







CAREER PATHWAY Business, Finance & Marketing CAREER CLUSTER

Career Cluster: Business, Finance & Marketing

Career Pathway: Marketing

JUNIOR HIGH / MIDDLE SCHOO)L				
College and Career Awareness					
Digital Literacy			Word Processing		
HIGH SCHOOL					
SUPPORTING COURSE: Sugges	sted high sch	nool courses that support	the Career Pathway (C	ourses DO NC	T count towards the Pathway)
Business Management *		Fashion Design Merch	andising	Web Develo	opment 2
Business Sales		Fashion Merchandising	g. Advanced		
EXPLORER COURSES: Choose	one or more		-		
Accounting 1 *	-	er Service *	Exploring Business and	Marketing	Sports and Recreation Marketing +
Business Communication 1 *	Digital B	usiness Applications *	Marketing 1 * +		Web Development 1 *
Business Communication 2 +	Digital M		Real Estate		
Business Law +	Economi	ics *	Retailing *		
Business Office Specialist *	Entrepre	neurship * +	Small Business Math*		
CONCENTRATOR COURSES: 7	o be a conc	entrator you must pass o	ne of the following cour	ses AND one	explorer course.
Digital Marketing *			Influence and Content Marketing		
COMPLETER COURSES: To be	a completer	you must pass a concen	trator course and enoug	gh courses to	equal 3.0 credits in this Pathway.
Business, Finance, and Marketing	g Capstone				
CTE Internship			Apprenticeship		
POSTSECONDARY: There are n	nany options	for education and trainir	ng beyond high school.		
Utah System of Higher Education	: ushe.edu (Utah's public colleges an	d universities)	UtahMajors.o	org: Majors Guide
* concurrent enrollment course					<u> </u>
		-			TDAINING
		POSTSECOND			
There are several opt	ions for ed	ucation and training l	beyond high school,	depending	on your career goals.
			2-Year		4-Year
5 more	C	Certificate	Associate De		Bachelor's Degree
COLLE	N/A		N/A		> Art Director > CTE Teacher > Editor > Graphic Designer

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

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

Advice to Students

"The best classes I've taken are economics, accounting, financial literacy, and marketing. CTE classes are the best way to find out what kind of career you want to go into."

> Lillian Stirling Future Marketer

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



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Cybersecurity CAREER PATHWAY

Computer Science & Information Technology AREER CLUSTER

Career Cluster: Computer Science & Information Technology

Career Pathway: Cybersecurity

JUNIOR HIGH / MIDDLE SCHOO	L				
College and Career Awareness					
Computer Science Investigations			Python 1, Intro		
Creative Coding			Python 2, Intro		
HIGH SCHOOL					
SUPPORTING COURSES: Sugge	sted high so	hool courses that suppo	ort the Career Pathway (Courses DO	NOT count towards the Pathway)
Current Issues	Law Enfor	cement *	Secondary Math 2		Secondary Math 3
EXPLORER COURSES: Choose of	one or more	of the following courses			
AP Computer Science Principles		Data Science		Network F	undamentals *
Computer Programming 1 *		Exploring Computer S	cience	Math 1050	
Computer Science Principles *		Information Technolog	y, Intro *	Web Deve	lopment 1 *
Database Development *		Linux Fundamentals *			
CONCENTRATOR COURSES: To	o be a conce	entrator you must pass o	ne of the following cours	ses AND one	e explorer course.
Principles of Cyber Defense and E	thics *				
COMPLETER COURSES: To be a	a completer	you must pass a concen	trator course and enoug	h courses to	equal 3.0 credits in this Pathway.
Cyber Forensics *					
CTE Internship			Apprenticeship		
POSTSECONDARY: There are m	any options	for education and trainir	ng beyond high school.		
Utah System of Higher Education: <u>ushe.edu</u> (Utah's public colleges and universities) UtahMajors.org: <u>Majors Guide</u>					
Utah System of Higher Education:	ushe.edu (l	Jtah's public colleges an	d universities)	UtahMajors	s.org: <u>Majors Guide</u>
			d universities)	UtahMajors	s.org: <u>Majors Guide</u>
* concurrent enrollment course	+ recomme	nded explorer course			• • • • • • • • • • • • • • • • • • •
* concurrent enrollment course	+ recomme				• • • • • • • • • • • • • • • • • • •
* concurrent enrollment course HIGH SCHC	+ recomme	nded explorer course POSTSECOND			• • • • • • • • • • • • • • • • • • •
* concurrent enrollment course HIGH SCHC There are several optic	+ recomme	nded explorer course POSTSECOND	ARY EDUCATIO		TRAINING on your career goals.
* concurrent enrollment course HIGH SCHC	+ recomme DOL TO ons for edu	nded explorer course POSTSECOND		ON ANE	TRAINING

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

Advice to Students

"Take a wide variety of CTE classes because high school is your time to explore your interests. Taking these classes will help guide you on your future career. Put forth the effort and time it takes to get the certifications because they can be a valuable asset and it is cheaper and easier to earn them now."

> Alea Maxwell Future Cybersecurity Specialist

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 Cybersecurity Career Pathway. FBLA-PBL.org | SkillsUSA.org | TSAweb.org Utah-FBLA-PBL.org | UtahSkillsUSA.org | UtahTSA.org

Utah FBLA flyer | SkillsUSA Utah flyer | Utah TSA flyer

112005-KY

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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 SCHO	OL			
College and Career Awareness				
Computer Science Investigations		Python 1, Intro		
Creative Coding		Python 2, Intro		
HIGH SCHOOL				
SUPPORTING COURSES: Sug	gested high school courses that supp	port the Career Pathway (Courses DC	NOT count towards the Pathway)	
Secondary Math 2		Secondary Math 3		
EXPLORER COURSES: Choose	e one or more of the following course	S.		
3D Print Technology	Data Science	Linux Fundamentals *	Robotics Technology	
AP Computer Science Principles	Database Development *	Network Fundamentals *	Unmanned Aerial Systems	
Computer Programming 1 *	Exploring Computer Science	Math 1050	Unmanned Aerial Systems Lab: Design, Build, Maintain	
Computer Science Principles *	Information Technology, Intro *	Robotics 1	Web Development 1 *	
CONCENTRATOR COURSES:	To be a concentrator you must pass	the following course AND one explo	rer course.	
Computer Systems 1	Cloud Computing 1	Geographical Information Systems, Intro		
COMPLETER COURSES: To be	e a completer you must pass a conce	entrator course and enough courses	to equal 3.0 credits in this Pathway.	
Computer Systems 2	Cloud Computing 2	Geographic Info	ormation Systems Remote Sensing *	
CTE Internship		Apprenticeship		
POSTSECONDARY: There are	many options for education and train	ing beyond high school.		
Utah System of Higher Education: us	he.edu (Utah's public colleges and univers	ities) UtahMajors.org: Majors Guide		
* concurrent enrollment course	+ recommended explorer course)		
HIGH SCH	IOOL TO POSTSECONI	DARY EDUCATION AN	D TRAINING	
There are several op	tions for education and training	beyond high school, dependir	ng on your career goals.	
u or		2-Year	4-Year	
5 more	Certificate	Associate Degree	Bachelor's Degree	
	> Computer Service Technician > Data Center Technician	> Computer Network Technician > Computer Systems Manager	> CTE Teacher > Computer and Information	

Systems Manager > Service Desk Analyst > Computer Network Architect > IT Coordinator > Network Engineer Career and Technical Education provides all students access to high-quality, rigorous career-focused programs

> Database Administrator

that result in attainment of credentials with labor market value. Credentials of Value

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

Advice to Students

8.

"I am grateful to all of my CTE teachers who have passions for the different types of classes they teach. My father has always told me, and my siblings, that the CTE courses offered in high school are a once in a lifetime opportunity."

> **Taevin Hunter** Future IT Specialist

LEARN MORE ABOUT **OCCUPATIONS AND WAGES**

Computer Science & Information Technology

UtahCTE.org: Fact Sheet

Department of Workforce Services Utah Occupational Explorer

FBLA | SkillsUSA

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 Utah flyer | Utah TSA flyer

Published January 2024 ADA Compliant January 2024



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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					
College and Career Awareness					
Computer Science Investigations			Python 1, Intro		
Creative Coding		Python 2, Intro			
Digital Literacy					
HIGH SCHOOL					
SUPPORTING COURSES: Sugge	sted high so	chool courses that suppo	ort the Career Pathw	ay (Courses DO	NOT count towards the Pathway)
Business Leadership 1 *	Physics		Secondary Math 2	-	Secondary Math 3
EXPLORER COURSES: Choose of	one or more	of the following courses	i.		
3D Print Technology		Exploring Computer Scien	nce	Robotics Techno	ology
AP Computer Science Principles		Information Technology, I	ntro	Unmanned Aerial Systems	
Computer Programming 1 *		Math 1050		Unmanned Aerial Systems Lab: Design, Build, Maintain	
Computer Science Principles *		Mobile Development Fun	damentals	Web Development 1	
Data Science		Robotics 1			
CONCENTRATOR COURSES: To	be a conce	entrator you must pass o	one of the following o	ourses AND on	e explorer course.
Computer Programming 2 *		Database Developmer	nt *	Game Development Fundamentals 1	
COMPLETER COURSES: To be a	a completer	you must pass a concen	trator course and er	nough courses to	o equal 3.0 credits in this Pathway.
AP Computer Science			Computer Programming, Advanced *		
Algorithms and Data Structures *			Game Development Fundamentals 2		
CTE Internship			Apprenticeship		
POSTSECONDARY: There are m	any options	for education and trainir	ng beyond high scho	ool.	
Utah System of Higher Education:	ushe.edu (l	Jtah's public colleges an	d universities)	UtahMajors.or	g: <u>Majors Guide</u>
* concurrent enrollment course	+ recomme	ended 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.

er more	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
COL	> Entry Level Programmer	 Computer Systems Analyst Game Play Programmer Software Developer 	> CTE Teacher > Software Engineer > Sys Software Programmer

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

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

Advice to Students

"I would highly recommend the CTE Pathway program to students. It is a great opportunity to earn college credit at a much more affordable price and gives you an advantage over anyone graduating from a traditional pathway."

> Jaren Woodbury Future Software Developer

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Computer Science & Information Technology

UtahCTE.org: Fact Sheet

Department of Workforce Services <u>Utah Occupational Explorer</u>

FBLA |SkillsUSA | TSA

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

<u>FBLA-PBL.org</u> | <u>SkillsUSA.org</u> | <u>TSAweb.org</u> <u>Utah-FBLA-PBL.org</u> | <u>UtahSkillsUSA.org</u> | <u>UtahTSA.org</u> <u>Utah FBLA flyer</u> | <u>SkillsUSA Utah flyer</u> | <u>Utah TSA flyer</u>





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Web Development CAREER PATHWAY

Computer Science & Information Technology CAREER CLUSTER

	areer r atriway	: <u>Web Develo</u>	pmem
JUNIOR HIGH / MIDDLE SCHO	OL		
College and Career Awareness			
Computer Science Investigation	S	Python 1, Intro	
Creative Coding		Python 2, Intro	
SUPPORTING COURSES: Sug	gested high school courses that s	support the Career Pathway (Cou	rses DO NOT count towards the Pathwa
Business Leadership 1 *	Secondary Math 2	2 Se	econdary Math 3
EXPLORER COURSES: Choose	e one or more of the following cou	irses.	
Computer Science Principles *	Digital Media 1 *	Information Technology, Ir	ntro * Web Development 1 *
Computer Programming 1 *	Entrepreneurship *	Marketing 1 *	
Database Development *	Exploring Computer Science	Math 1050	
CONCENTRATOR COURSES:	To be a concentrator you must pa	ass one of the following courses	AND one explorer course.
UX/UI and Quality Assurances		Web Development 2	
COMPLETER COURSES: To be	e a completer you must pass a co	ncentrator course and enough co	ourses to equal 3.0 credits in this Path
Web Development, Advanced		Web Development Project	S *
CTE Internship		Apprenticeship	
POSTSECONDARY: There are	many options for education and t	raining beyond high school.	
Utah System of Higher Educatio	n: <u>ushe.edu</u> (Utah's public college	es and universities) Uta	ahMajors.org: <u>Majors Guide</u>
concurrent enrollment course	+ recommended explorer cou	Irse	
	·		
HIGH SCH	IOOL TO POSTSECO	NDARY EDUCATION	AND TRAINING
There are several op	tions for education and train	ing beyond high school, de	pending on your career goals.
		2-Year	4-Year
b or more	Certificate	Associate Degre	
	> Graphic Artist	> Web Developer	> CTE Teacher
3	> Web Analyst		> Full Stack Developer

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

Advice to Students

"Take advantage of every opportunity. Start planning your courses now. Learn from your teachers, parents, leaders, friends, and others around you. It's never too early to learn and plan. Enjoy high school."

> Travis Cook Future Web Developer

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Computer Science & Information Technology

UtahCTE.org: Fact Sheet

Department of Workforce Services <u>Utah Occupational Explorer</u>

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 Utah flyer
 Utah TSA flyer

112004-KY

CTE[®] Learning that works for Utah



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 SCHOO	L			
College and Career Awareness				
FCS 6th Grade				
FCS Exploration				
HIGH SCHOOL				
SUPPORTING COURSES: Sugge	ested high school courses that supp	ort the Career Pathway	(Courses DO	NOT count towards the Pathway)
Business Office Specialist *		Entrepreneurship *		
EXPLORER COURSES: Choose	one or more of the following courses	S.		
Child Development				
Early Childhood Education 1 * +				
Food and Nutrition				
CONCENTRATOR COURSES: T	o be a concentrator you must pass t	he following course AN	D one explore	er course.
Early Childhood Education 2 *				
	a completer you must pass a concer	ntrator course and enou	igh courses to	equal 3.0 credits in this Pathway.
Early Childhood Education 3				
CTE Internship		Apprenticeship		
POSTSECONDARY: There are m	nany options for education and traini	ng beyond high school.		
Utah System of Higher Education	: <u>ushe.edu</u> (Utah's public colleges ar	nd universities)	UtahMajors.	org: <u>Majors Guide</u>
* concurrent enrollment course	+ recommended explorer course			
	OOL TO POSTSECOND			TRAINING
I here are several opti	ons for education and training	beyond high school	i, dependinç	on your career goals.
1-1 0/1,		2-Year		4-Year
E more	Certificate	Associate D	egree	Bachelor's Degree
more	> Teacher Assistant	> Education Administra Preschool	ator,	> CTE Teacher
		Preschool Preschool Teacher		 Elementary Education Teacher
		Assistant		> Special Education Teacher
				> Social Worker
	cal Education provides all students a result in attainment of credentials wit			

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

Advice to Students

"Take as many CTE classes as you can because those classes will be the things that you will actually use in dayto-day life. The CTE classes I've taken have helped me to gain knowledge that I will need throughout my life."

> Tanna Andersen **Future Preschool Teacher**

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





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CTE[®] Learning that works for Utah



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 SCHOO					
College and Career Awareness					
Digital Literacy					
HIGH SCHOOL					
SUPPORTING COURSES: Sugge	ested high school courses that su	pport the Career Pathway (Courses	DO NOT count towards the Pathway)		
Behavior Health, Intro		Psychology			
Business Communication 2		Web Development 1 *			
Business Office Specialist *					
EXPLORER COURSES: Choose of	one or more of the following cours	ses.			
Business Communication 1 *	Human Developme	ent * Math	1050		
English 1010	Math 1030	Teach	ning as a Profession +		
CONCENTRATOR COURSES: TO	o be a concentrator you must pas	s the following course AND one ex	plorer course.		
Aspiring Educators *					
COMPLETER COURSES: To be a	a completer you must pass a con	centrator course and enough cours	es to equal 3.0 credits in this Pathway.		
Priniciples of Educational Instruction	on *	K-12: Teaching as a Profession	on Capstone (coming SY 26)		
CTE Internship		Apprenticeship	Apprenticeship		
POSTSECONDARY: There are m	any options for education and tra	ining beyond high school.			
Utah System of Higher Education:	ushe.edu (Utah's public colleges	and universities) UtahMa	d universities) UtahMajors.org: Majors Guide		
concurrent enrollment course	+ recommended explorer cours	se			
	•				
		IDARY EDUCATION A			
There are several optic	ons for education and trainir	ng beyond high school, deper	nding on your career goals.		
		2-Year	4-Year		
	Certificate	Associate Degree	Bachelor's Degree		
Corre	> Teacher Assistant/ Para Professional	> Preschool Teacher	 > CTE Teacher > Elementary School Teacher > Kindergarten Teacher > Middle School Teacher > Secondary School Teacher > Special Education Teacher 		
		s access to high-quality, rigorous c with labor market value. Credentia			

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

Advice to Students

"CTE courses provide academic skills, technical skills, knowledge, training, the advantage of giving you an idea of what career you want to [pursue], and real world experiences. So, come with a positive attitude and a mind ready to grow."

> Kennedy Smith Future Elementary School Teacher

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Education & Training

UtahCTE.org: Fact Sheet

Department of Workforce Services <u>Utah Occupational Explorer</u>

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





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Engineering CAREER PATHWAY

Engineering & Technology CAREER CLUSTER

C	areer Cluster: Eng	gineering & T	echnolo	gy
	Career Pathw	/ay: <u>Engin</u>	eering	
JUNIOR HIGH / MIDDLE SCHOO	DL			
College and Career Awareness				
Exploring Technology				
SUPPORTING COURSES: Sugg	ested high school courses that su	innort the Career Pathwa	av (Courses DC	NOT count towards the Pathway)
Chemistry	Physics		Seconda	\$,
EXPLORER COURSES: Choose	,	292		
Architectural Design 1 *	Electronics 1 * +	Manufacturing Princ	inles 1 +	Robotics Technology
Mechanical Design and Engineering 1 *	Engineering Principles 1 +	Metalworking 1		Unmanned Aerial Systems
CAM Automated Manufacturing	Engineering Technology	Plastics 1		Welding Technician, Entry *
Composites 1	Machining 1 *	Robotics 1 +		Woods 1
CONCENTRATOR COURSES: T	o be a concentrator you must pa	ss one of the following co	ourses AND or	ne explorer course.
Aerospace Engineering	Electronics 2 *		Materials	Science
Mechanical Design and Engineering	2* Engineering Princip	les 2 *	Robotics 2	2_*
COMPLETER COURSES: To be	a completer you must pass a cor	ncentrator course and en	ough courses	to equal 3.0 credits in this Pathway.
Mechanical Design and Engineering	3* Electronics 3*		Engineeri	ng Capstone
Industrial Maintenance Technician	·	Unmanned Aerial Sy	ystems Lab: De	sign, Build, Maintain
CTE Internship		Apprenticeship		
POSTSECONDARY: There are n	nany options for education and tra	aining beyond high schoo	ol.	
Utah System of Higher Education: u				s.org: Majors Guide
concurrent enrollment course	+ recommended explorer cou	rso		
	·			
HIGH SCH	OOL TO POSTSECO	NDARY EDUCA	TION AN	D TRAINING
There are several opti	ions for education and traini	ng beyond high scho	ol, dependir	ig on your career goals.
		0 Vo		
b or more	0	2-Year		4-Year
H H H	Certificate > Machine Operator	Associate > Electro-Mechanic		Bachelor's Degree > Automation Engineer
	 > Production Technician 	> Electro-Mechanic Technicians	al	 > Automation Engineer > CTE Teacher
8		> Electronics Equip	ment	> Electrical Engineer
		Assembler		> Electronics Drafter

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Advice to Students

"Taking a CTE course is not for the faint of heart. It is difficult and time consuming. However, through the courses you will fall in love with the subject you are studying. My advice is to never give up no matter how hard it gets. Ten years down the road you will not regret the choice of enrolling in a CTE class."

> Ashley Zolnik Future Manufacturing Engineer

LEARN MORE ABOUT **OCCUPATIONS AND WAGES**

Engineering & Technology

UtahCTE.org: Fact Sheet

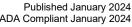
Department of Workforce Services Utah Occupational Explorer

TSA

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

TSAweb.org UtahTSA.org Utah TSA flyer







ADA Compliant January 2024



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. Behavioral Health, Intro Foundations of Nutrition * Human Development * Medical Terminology * Community and Public Health Health Science, Intro Medical Math Psychology CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course. Biotechnology * IB Sports Exercise & Health Science SL 1 Medical Forensics * Emergency Medical Response * IB Sports Exercise & Health Science SL 2 Physical Therapy, Intro Exercise Science/Sports Medicine * Medical Anatomy and Physiology * COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway. Pharmacy Technician *# Dental Assistant # IB Sports Exercise & Health Science HL 2 Emergency Medical Technician * # Medical Anatomy and Physiology, Advanced Surgical Technician * # Health Science Capstone * Medical Assistant # Nurse Assistant (CNA) * # IB Sports Exercise & Health Science HL 1 **CTE** Internship **Apprenticeshin** 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 # multiple credit courses count as both concentrator and completer courses HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING There are several options for education and training beyond high school, depending on your career goals. 2-Year 4-Year more **Associate Degree** Certificate **Bachelor's Degree** > Certified Nurse Assistant > Dental Hygienist > CTE Teacher > Occupational Therapy Assistant > Forensic Science Technician > Clinical Lab Assistant > Emergency Medical Technician > Medical Laboratory Scientist > Microbiologist > Medical Assistant > Registered Nurse (RN)

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

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

Advice to Students

"By taking CTE classes you gain valuable skills and knowledge about your career field, college, and the workplace. The classes give you so much experience and insight. There are so many CTE Pathways. There is definitely something for everyone. I was able to gain experience in my future career through an internship."

Nicole Kirkwood Future Occupational Therapy Assistant

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





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Hospitality & Tourism CAREER CLUSTER

	Career Cluster: H	lospitality & Tou	rism
	Career Pathwa	ay: <u>Culinary</u>	<u>Arts</u>
JUNIOR HIGH / MIDDLE SC	HOOL		
College and Career Awareness	s		
FCS 6th Grade			
FCS Exploration			
HIGH SCHOOL			
SUPPORTING COURSES:	Suggested high school courses that su	pport the Career Pathway (Co	urses DO NOT count towards the Pathway)
Entrepreneurship *	Event Planning and Managemen	t Hospitality and Tourism *	Small Business Math *
EXPLORER COURSES: Cho	cose one or more of the following cour	ses.	
Customer Service *			
Food and Nutrition			
Culinary 1 * +			
CONCENTRATOR COURSE	ES: To be a concentrator you must pas		AND one explorer course.
Culinary 2		ProStart [®] 1 +	
COMPLETER COURSES: T	o be a completer you must pass a con	centrator course and enough c	ourses to equal 3.0 credits in this Pathway.
Baking and Pastry	Culinary 3	P	roStart [®] 2
CTE Internship		Apprenticeship	
POSTSECONDARY: There	are many options for education and tra	aining beyond high school.	
Utah System of Higher Educati	ion: <u>ushe.edu</u> (Utah's public colleges and	d universities) U	tahMajors.org: <u>Majors Guide</u>
concurrent enrollment cou	Irse + recommended explorer cour	'Se	
	CHOOL TO POSTSECO		
There are several	options for education and training	ng beyond high school, de	pending on your career goals.
LI Or		2-Year	4-Year
5 more	Certificate	Associate Degr	
COLLE	N/A	 > Baker/Pastry Chef > Sous Chef > Restaurant Manager 	 > CTE Teacher > Culinary Arts Instructor > Executive Chef
	echnical Education provides all studen that result in attainment of credentials E classes are open to all qualified students	with labor market value. Crede	entials of Value

Advice to Students

"Taking a CTE class is something you will not regret. You will learn many wonderful skills that you will use throughout your life. Some of the best parts of these courses include meeting new people, learning new skills, and accomplishing great things. Know that your teachers are there to push you to be your best."

Brooke Bodily Future Chef

LEARN MORE ABOUT **OCCUPATIONS AND WAGES**

Hospitality & Tourism

UtahCTE.org: Fact Sheet

Department of Workforce Services Utah Occupational Explorer

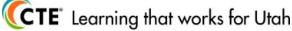
FCCLA

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

FCCLAinc.org UtahFCCLA.org

Utah FCCLA flyer







Hospitality & Tourism CAREER PATHWAY

Hospitality & Tourism CAREER CLUSTER

Career Cluster: Hospitality & Tourism

Career Pathway: Hospitality & Tourism

College and Career Awarenes	s					
Digital Literacy			Word Processing			
HIGH SCHOOL						
SUPPORTING COURSES: Su	iggested high so	chool courses that s	upport the Career Pathw	ay (Courses DO	ONOT count towards the Pathway	
Business Management * Fashion Design Merchan		lerchandising	Influence	and Content Marketing		
Digital Marketing * Fashion Merchandising		dising, Advanced	Sports ar	nd Outdoor Design 1 *		
EXPLORER COURSES: Choo	se one or more	of the following cou	irses.			
Accounting 1 *	Business Le	eadership 1 *	Digital Media 1 *		Retailing *	
Baking and Pastry	Business O	ffice Specialist *	Economics *		Small Business Math *	
Business Communication 1 *	Culinary 1 *	+	Entrepreneurship * +		Sports and Recreation Marketing	
Business Communication 2	Customer S	ervice * +	Exploring Business a	nd Marketing	Web Development 1 *	
Business Law +	Digital Busi	ness Applications *	Marketing 1 * +			
CONCENTRATOR COURSES	: To be a conce	entrator you must pa	ass one of the following c	ourses AND o	ne explorer course.	
Event Planning and Management			Hospitality and To	Hospitality and Tourism *		
COMPLETER COURSES : To	be a completer	you must pass a co	ncentrator course and er	ough courses	to equal 3.0 credits in this Pathw	
Business and Marketing Capst	tone				· · · ·	
CTE Internship			Apprenticeship			
POSTSECONDARY: There ar	e many options	for education and t	raining beyond high scho	ol.		
Utah System of Higher Educat					ors.org: Majors Guide	
			,		······································	
concurrent enrollment cours	se + recomme	ended explorer col	irse			
HIGH SC	HOOL TO	POSTSECO	NDARY EDUCA	TION AN	DTRAINING	
					ng on your career goals.	
D Oh.			2-Ye	ar	4-Year	
more more	C	ertificate	Associate	Degree	Bachelor's Degree	
"	N/A		N/A		> CTE Teacher	
					> Marketing Manager	
					> Meeting, Convention, and	
more					weeking, oonvention, and	

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

Advice to Students

"CTE courses have given me a head start and have helped me understand what I want to do with my future. Through my time in CTE classes I found my passion. If you are interested in a certain course or CTE Pathway go for it!."

> Audrey White Future Pastry Chef

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 flyer





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Career Cluster: Human Services

Career Pathway: Family & Human Services

HIGH SCHOOL					
SUPPORTING COURSES: Suggested high school course	es that support the Career Pat	hway (Courses DO NOT count towards the Pathway)			
Business Leadership 1 *	Sociology				
Medical Terminology *	Small Business	Small Business Math *			
EXPLORER COURSES: Choose one or more of the follow	ving courses.				
Behavioral Health, Intro +	Human Develop	Human Development *			
Health Science, Intro	Psychology	Psychology			
CONCENTRATOR COURSES: To be a concentrator you	must pass one of the followin	g courses AND one explorer course.			
Individual and Family Relationships *	Personal and Family Finance *				
COMPLETER COURSES: To be a completer you must pa	ass a concentrator course and	l enough courses to equal 3.0 credits in this Pathway			
Behavioral Health, Advanced (coming soon)	Community and	I Public Health			
CTE Internship	Apprenticeship				
POSTSECONDARY: There are many options for education	on and training beyond high so	chool.			
Utah System of Higher Education: <u>ushe.edu</u> (Utah's public colleges and universities) UtahMajors.org: <u>Majors Guide</u>					
concurrent enrollment course + recommended explo					

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

or	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
more COLLECTION	 > Autism Technician > Community Health Worker > Job Coach > Life Coach > Peer Support Specialist > Registered Behavior Tech. 	 > Alcohol & Drug Counselor > Community/Social Service Assistant > Psychiatric Technician > Licensed Vocational Nurse 	 > Behavioral Health Specialist > Child Welfare Worker Specialist > Psychiatric RN > Social Worker > Vocational Rehab.Worker

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Advice to Students

"These classes will help you with your own self-image and help you decide what you want to do in your life, whether it is helping others, working for others, or working for yourself."

Bailey Abel Future Teacher

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Human Services

UtahCTE.org: Fact Sheet

Department of Workforce Services <u>Utah Occupational Explorer</u>

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

CTE[®] Learning that works for Utah



Personal Care Services CAREER PATHWAY

Human Services CAREER CLUSTER

Career Cluster: Human Services

Career Pathway: Personal Care Services

College and Career Awareness			
HIGH SCHOOL			
SUPPORTING COURSES: Sugg	gested high school courses that sup	port the Career Pathway (Courses DC	NOT count towards the Pathway)
Accounting 1 *		Digital Business Applications *	
Business Management *		Web Development 1 *	
EXPLORER COURSES: Choose	one or more of the following course	es.	
Business Leadership 1 *	Customer Service *	Marketing 1 *	Small Business Math *
Business Office Specialist *	Entrepreneurship *	Retailing *	
CONCENTRATOR COURSES:	To be a concentrator you must pass	one of the following courses AND or	e explorer course.
Barbering *		Hair Design	
Basic Esthetician and Skin Care		Nail Technician/Specialist Manicu	rist *
COMPLETER COURSES: To be	a completer you must pass a conc	entrator course and enough courses	o equal 3.0 credits in this Pathway
Cosmetology * #			
CTE Internship		Apprenticeship	
POSTSECONDARY: There are	many options for education and train	ning beyond high school.	
Utah System of Higher Education	n: <u>ushe.edu</u> (Utah's public colleges :	and universities) UtahMajors	s.org: <u>Majors Guide</u>
concurrent enrollment course	+ recommended explorer course	# multiple credit courses count as bo	th concentrator and completer cou
нон сон	OOL TO POSTSECON	DARY EDUCATION AN	
There are several op		g beyond high school, dependir	ig on your career goals.
	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
e ar more	 > Barber > Cosmetologist > Hair Designer > Manicurists and Pedicurists 	> N/A	> CTE Teacher

that result in attainment of credentials with labor market value. Credentials of Value

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

Advice to Students

"CTE is an amazing opportunity to open your eyes to many different fields. You get a look into what you could potentially pursue and get hands-on experiences. Finding out what career is right for you while in high school is honestly a blessing." HadiLee Iverson

Future Cosmetologist

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 Utah flyer



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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 SCHO	OL				
College and Career Awareness					
HIGH SCHOOL					
SUPPORTING COURSES: Sug	gested high so	chool courses that suppo	ort the Career Pathway	(Courses DO	NOT count towards the Pathway)
Business Law *	Cyber For	rensics *	Emergency Medical Technician *		Principles of Cyber Defense and Ethics
Commercial Photography 1 *	Emergeno	gency Medical Response * Medical Forensics			
EXPLORER COURSES: Choose	e one or more	of the following courses	i.		
Behavioral Health, Intro +		Exploring Computer S	cience	Information	n Technology, Intro +
Business Leadership 1 *		Fire Science, Introduc	tion	Law Enfor	cement *
Criminal Justice, Intro *		Health Science, Intro		Unmanneo	Aerial Systems
CONCENTRATOR COURSES:	To be a conc	entrator you must pass o	one of the following cour	ses AND one	e explorer course.
Corrections *			Fire Science, Safety and Survival		
Criminal Law * Fire S				navior and Co	ombustion
COMPLETER COURSES: To be	e a completer	you must pass a concer	ntrator course and enoug	gh courses to	equal 3.0 credits in this Pathway.
Careers in Criminal Justice *					
CTE Internship			Apprenticeship		
POSTSECONDARY: There are	many options	for education and training	ng beyond high school.		
Utah System of Higher Educatio	n: <u>ushe.edu</u> (l	Utah's public colleges ar	nd universities)	UtahMajors.	org: <u>Majors Guide</u>
* concurrent enrollment course	+ recomme	ended explorer course			
HIGH SCH	OOL TO	POSTSECOND	ARY EDUCATI	ON AND	TRAINING
There are several op	tions for ed	ucation and training	beyond high school	, depending	g on your career goals.
u or			2-Year		4-Year
5 more	C	ertificate	Associate De	gree	Bachelor's Degree
	> Firefight		N/A		> CTE Teacher > Criminal Justice and Law

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

Fighting and Prevention

Workers

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

Student Testimonial

8

"CTE Pathways will give you a lifetime's worth of knowledge. When you take a CTE course put effort into it and don't take it for granted."

Weston Brierley Future Utah Highway Patrol Officer

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Law, Public Safety, Corrections & Security

UtahCTE.org: Fact Sheet

Department of Workforce Services Utah Occupational Explorer

HOSA | SkillsUSA

Enforcement Teachers,

postsecondary

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

HOSA.org | UTHOSA.wordpress.com Utah HOSA flyer

SkillsUSA.org | UtahSkillsUSA.org SkillsUSA Utah flyer

> Published January 2024 ADA Compliant January 2024



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Manufacturing & Production CAREER PATHWAY

Manufacturing CAREER CLUSTER

Career Cluster: Manufacturing

Career Pathway: Manufacturing & Production

College and Career Awareness				
Exploring Technology				
HIGH SCHOOL				
SUPPORTING COURSES: Suggested high	school course that supports the Ca	areer Pathway (Course DOE	S NOT count towards the Pathway	
Secondary Math 2				
EXPLORER COURSES: Choose one or mo	re of the following courses.			
Biomanufacturing 1	Composites 1 +	Plastics 1	+	
Mechanical Design and Engineering 1 *	Manufacturing Principles 1	Woods 1 ·	ł	
CAM Automated Manufacturing	Manufacturing Technology			
CONCENTRATOR COURSES: To be a cor	ncentrator you must pass one of the		e explorer course.	
Biomanufacturing 2	Manufacturing Principles 2	Woods 2	Woods 2	
Composites 2	Plastics 2			
COMPLETER COURSES: To be a complete	er you must pass a concentrator co	urse and enough courses to	o equal 3.0 credits in this Pathwa	
Woods 3				
1100000				
CTE Internship	Apprer	nticeship		
······				
CTE Internship POSTSECONDARY: There are many optio	ns for education and training beyon	d high school.	.org: <u>Majors Guide</u>	
CTE Internship POSTSECONDARY: There are many optio Utah System of Higher Education: <u>ushe.edu</u>	ns for education and training beyon (Utah's public colleges and univers	d high school.	org: <u>Majors Guide</u>	
CTE Internship POSTSECONDARY: There are many optio Utah System of Higher Education: <u>ushe.edu</u> concurrent enrollment course + recomm	ns for education and training beyon (Utah's public colleges and univers mended explorer course	d high school. sities) UtahMajors	•	
CTE Internship POSTSECONDARY: There are many optio Utah System of Higher Education: <u>ushe.edu</u> concurrent enrollment course + recomm	ns for education and training beyon (Utah's public colleges and univers	d high school. sities) UtahMajors	•	
CTE Internship POSTSECONDARY: There are many optio Utah System of Higher Education: <u>ushe.edu</u> concurrent enrollment course + recomm	ns for education and training beyon (Utah's public colleges and universimended explorer course O POSTSECONDARY	d high school. sities) UtahMajors	D TRAINING	
CTE Internship POSTSECONDARY: There are many optio Utah System of Higher Education: <u>ushe.edu</u> concurrent enrollment course + recom HIGH SCHOOL T There are several options for e	ns for education and training beyon (Utah's public colleges and universimended explorer course O POSTSECONDARY	d high school. sities) UtahMajors EDUCATION ANI high school, dependin	D TRAINING g on your career goals.	
CTE Internship POSTSECONDARY: There are many optio Utah System of Higher Education: <u>ushe.edu</u> concurrent enrollment course + recomm HIGH SCHOOL T	ns for education and training beyon (Utah's public colleges and universimended explorer course O POSTSECONDARY education and training beyond	d high school. sities) UtahMajors	D TRAINING	

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

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

Advice to Students

"I would definitely recommend taking CTE classes during high school. They teach multiple skills that you can use in life and give you many experiences that will allow you to have a head start in life."

Luke Asher Future Precision Machinist

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 Utah flyer | Utah TSA flyer





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CTE[®] Learning that works for Utah



CAREER PATHWAY Manufacturing CAREER CLUSTER

Career Cluster: Manufacturing

Career Pathway: Welding & Machining

JUNIOR HIGH / MIDDLE SCHOOL					
College and Career Awareness					
Exploring Technology					
HIGH SCHOOL					
EXPLORER COURSES: Choose one or n	nore of the following courses	i.			
Machining 1 *	Sheet Metal				
Metal Working 1	Welding Technician, E	ntry *			
CONCENTRATOR COURSES: To be a co	oncentrator you must pass o	ne of the following course	es AND one	explorer course.	
Machining 2 *					
Welding Technician, Intermediate *					
COMPLETER COURSES : To be a complete	eter you must pass a concer	ntrator course and enoug	h courses to	equal 3.0 credits in this Pathway.	
Machining 3	Welding-Pipe Fitting	Welding-Pipe Fitting		Welding Technician, Advanced *	
Non-Destructive Testing *	Welding-Structural Fitt	Welding-Structural Fitting			
CTE Internship	Apprenticeship				
POSTSECONDARY: There are many opt	ions for education and trainir	ng beyond high school.			
Utah System of Higher Education: ushe.ed	<u>du</u> (Utah's public colleges an	nd universities)	UtahMajors	s.org: <u>Majors Guide</u>	
* concurrent enrollment course + recor	nmended explorer course				
	-				
HIGH SCHOOL	TO POSTSECOND		ON AND	I RAINING	
There are several options for	education and training	beyond high school,	depending	g on your career goals.	
		2-Year		4-Year	
5 or more	Certificate	Associate Degree		Bachelor's Degree	
>Tool >Tool >Web	and Die Maker Maker	 Machine Tool Technician Welding Technician 		 > CTE Teacher > Machine Tool Engineer > Welding Engineer 	
	ation provides all students a attainment of credentials wit				

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

Advice to Students

"CTE courses can help you decide what career you would like and provide necessary instruction and training that can help you be successful in the future. They teach real world skills that can transfer to many different careers."

> Breanna Duvall Future Welde

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 Utah flyer





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CAREER PATHWAY Transportation, Distribution & Logistics

Career Cluster: Transportation, Distribution & Logistics Career Pathway: Automotive 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) Business Office Specialist * Math 1050 English 1010 Small Business Math * EXPLORER COURSES: Choose one or more of the following courses. Agricultural Mechanics and Technology 1 * Bicycle Repair Training Electronics 1 * Transportation Technology Welding Technician, Entry * Collision Non-Structural Repair * + Machining 1 * Automotive, Introduction * + Customer Service * Small Engine Repair Aviation Maintenance 1 Basic Automotive Collision Repair Entrepreneurship * Supply Chains, Introduction CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course. ASE Chassis MLR * Collision Structural Repair Power Motor Sports * ASE Engine MLR * Electric Vehicle Safety and Technology 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 Engine Performance * Collision Refinishing and Painting * ASE Electrical/Electronics * ASE Steering and Suspension * **Professional Driver CTE** Internship Apprenticeship 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. 2-Year 4-Year **Associate Degree Bachelor's Degree** Certificate > Automotive Service > Fleet Administrator > CTE Teacher > OEM Trainer Technician > Master Technician > Tire Technician > Restoration Specialist > Technical Researcher and > Quick Lube Technician Developer > Technical Salesperson

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

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

Advice to Students

"JUST DO IT! Take the class! Take the workbased learning opportunity! Pick choices that challenge you and scare you a little. Pick something you are passionate about and call on mentors to help you learn. Don't be afraid to fail! You may fail at an individual task, but you will win overall in the end."

> Cooper Chamberlain Future Automotive Technician

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Transportation, Distribution & Logistics

UtahCTE.org: Fact Sheet

Department of Workforce Services <u>Utah Occupational Explorer</u>

SkillsUSA

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

SkillsUSA.org | UtahSkillsUSA.org SkillsUSA Utah flyer



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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) Business Office Specialist ' Entrepreneurship ' Math 1060 Small Business Math ' English 1010 Math 1050 Meteorology EXPLORER COURSES: Choose one or more of the following courses Agricultural Mechanics and Aviation Maintenance 1 Unmanned Aerial Systems Lab: Machining 1 * Technology 1 * Design, Build, and Maintain Automotive, Introduction * Customer Service * Supply Chains, Introduction Aviation History * Electronics 1 * **Unmanned Aerial Systems** CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course. Flight Simulator * Aviation Maintenance 2 Aviation Weather Unmanned Aerial Systems Lab: Intermediate Flight Unmanned Aerial Systems Lab: Exploration of Industry Applications 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 * Private Pilot Aircraft Systems * Unmanned Aerial Systems Capstone **CTE** Internship Apprentic 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.

or more	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	 > Aircraft Service Technician > Drone Pilot > Helicopter Maintenance Technician 	 > Air Traffic Controller > Certified Flight Instructor > Drone Mission Coordinator 	 > Aircraft Co-pilot and Pilot > CTE Teacher > Drone Design Engineer > Drone GIS Engineer > Flight Engineer
Career and Technik	cal Education provides all students a	access to high-quality, rigorous caree	r-focused programs

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

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

Advice to Students

"CTE classes are worth it. Sometimes the work is hard but in the end the knowledge and skills that you will have afterwards is great. It is an amazing feeling to take and excel in your CTE classes!"

> Ryker Frost Future Mechanical Engineer

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Transportation, Distribution & Logistics

UtahCTE.org: Fact Sheet

Department of Workforce Services <u>Utah Occupational Explorer</u>

SkillsUSA

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

SkillsUSA.org | UtahSkillsUSA.org

SkillsUSA Utah flyer



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CAREER PATHWAY Transportation, Distribution & Logistics CAREER CLUSTER

Career Cluster: Transportation, Distribution & Logistics

Career Pathway: Diesel

JUNIOR HIGH / MIDDLE SCHOOL						
College and Career Awareness						
Exploring Technology						
HIGH SCHOOL						
SUPPORTING COURSES: Suggested h	igh school courses that supp	ort the C	areer Pathway (Courses DO N	IOT count towards the Pathway)	
Business Office Specialist *	Math 1050 Sm			Small Busin	Small Business Math *	
English 1010						
EXPLORER COURSES: Choose one or	more of the following course	s.				
Agricultural Mechanics and Technology 1 *	Customer Service *		Machining 1 *		Welding Technician, Entry *	
Automotive, Introduction * +	Electronics 1 *		Supply Chains,			
Aviation Maintenance 1	Entrepreneurship *		Transportation	••		
CONCENTRATOR COURSES: To be a	concentrator you must pass	the follov	ving course ANE) one explore	r course.	
ASE Diesel IMMR						
COMPLETER COURSES: To be a comp	oleter you must pass a conce	ntrator c	ourse and enoug	h courses to	equal 3.0 credits in this Pathway	
ASE Diesel Brakes	ASE Diesel Engine	ASE Diesel Engine		Professional Driver		
ASE Diesel Electrical Systems	ASE Diesel Steering and Suspension					
CTE Internship			Apprenticeship			
POSTSECONDARY: There are many op	otions for education and train	ing beyo	nd high school.			
Utah System of Higher Education: ushe.ed	u (Utah's public colleges and u	niversitie	6)	UtahMajors.or	rg: <u>Majors Guide</u>	
concurrent enrollment course + reco	ommended explorer course					
	TO DOSTOFOON		EDUCAT		TRAINING	
	TO POSTSECON					
There are several options for	or education and training	beyon	d high school,	depending	on your career goals.	
			2-Year		4-Year	
	Certificate	A	ssociate De	aree	Bachelor's Degree	
b or more > Die	esel Service Technician		vy Equipment Ma		> CTE Teacher	
> Fa	rm Equipment Mechanic	Tec	nician		> Fleet Administrator	
		> Hea	vy Locomotive T	echnician	> Logistics Operation Manager	

that result in attainment of credentials with labor market value. Credentials of Value

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

Advice to Students

"Jump in and learn as much as you can. CTE courses are a fantastic resource. Don't be afraid to try something you've never done before, because you'll never learn a new skill if you're always too afraid to try it. Through CTE I have been able to make my education more meaningful."

> Zachary Burrows Future Diesel Mechanic

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 Utah flyer



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