

Lancer Paths Legion





Lancer Paths Legion Requirements

- Students will earn a total of 3.0 credits to complete the pathway including a concentrator course.
- Students must be on track for Graduation.
- Students must be enrolled in a total of five credit providing classes out of the eight total classes each semester of High School. This does not include STAND class.
- Each class can only be counted one time for credit unless specified.
- Students can earn Pathway recognition from multiple Cluster areas.

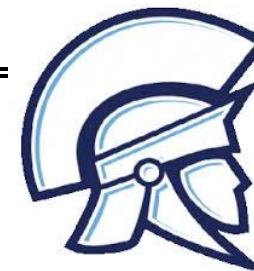
Utah CTE Career PATHWAYS

Pathways to College & Career Readiness

School Year 2021-2022



Utah Career and Technical Education
CAREER CLUSTERS
Pathways to College & Career Readiness



Career Cluster*

> Career Pathway

Agriculture, Food & Natural Resources

- > Agricultural Mechanics Systems
- > Agricultural Production Systems
- > Animal & Veterinary Science
- > Food Science, Dietetics & Nutrition
- > Natural Resource Science
- > Plant Science

Architecture & Construction

- > Architectural Design (CAD)
- > Construction & Structural Systems
- > Interior Design

Arts, Audio/Visual Technology & Communications

- > Broadcasting & Digital Media
- > Fashion Apparel & Textiles
- > Graphic Design & Communication

Business, Finance & Marketing

- > Accounting & Finance
- > Business Administration
- > Business Information Management
- > Marketing

Computer Science & Information Technology

- > Cybersecurity
- > Information Technology Systems
- > Programming & Software Development
- > Web Development

Education & Training

- > Pre-K: Early Childhood Education
- > K-12: Teaching as a Profession

Engineering & Technology

- > Engineering
- > Mechanical Design (CAD)

Health Science

- > Health Science

Hospitality & Tourism

- > Culinary Arts
- > Hospitality & Tourism

Human Services

- > Behavioral Health and Social Services
- > Personal Care Services

Law, Public Safety, Corrections & Security

- > Protective Services

Manufacturing

- > Manufacturing & Production
- > Welding & Machining

Transportation, Distribution & Logistics

- > Aviation
- > Auto Mechanics & Repairs
- > Diesel



Agriculture, Food & Natural Resources career cluster

Agriculture Mechanics Systems career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Agricultural Systems Tech 1		x			x				x	
Agriculture Systems Tech 2	x				x				x	
Biology Agricultural Science							X CHS	x		
Business Communications 1						x			x	
CTE Internship					x					12
Postsecondary Education, Training, and Career ideas	Hydraulic Technician, Maintenance Service Tech, Welder, Agricultural Engineer Tech, Diesel Mechanic, Equipment Dealer Tech, Agriculture Engineer, CTE Teacher, Welding Engineer									

Agriculture Productions Systems career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Biology Agricultural Science							X CHS	x		
Business Communications 1						x			x	
CTE Internship					x					12
Postsecondary Education, Training, and Career ideas	Crop Scout, Pesticide Handler/Applicator, Storage & Hygiene Coord, Agriculture Engineer Tech, Sales Representative, Slaughter/Processor, Agriculture Inspectors, CTE Teacher, Farm/Ranch Mgr.									



Agriculture, Food & Natural Resources career cluster

Animal & Veterinary Science career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Animal Science 1		x			x				x	
Animal Science 2	x				x					x
Biology Agricultural Science							X CHS	x		
Business Communications 1						x			x	
Vet Assistant 1,2	x						X (CHS)			x
CTE Internship					x					12

Postsecondary Education, Training, and Career ideas

Artificial Inseminator, Livestock Auctioneer, Shipping coordinator, Herdsman, Livestock Buyer, Veterinary Asst/Technician, Animal Nutrition Specialist, CTE Teacher, Farm/Ranch Mgr.

Food Science, Dietetics & Nutrition career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Food and Nutrition 1		x				x		x		
Food and Nutrition 2	x					x		x		
Food Science (Catalyst)						x	x	x		
Foundations of Nutrition	x			X		x				x
Human Development	x			X		x				x
Medical Anatomy & Physiology	x			X	x					x
CTE Internship					x					12

Postsecondary Education, Training, and Career ideas

Food Protections Mgr, Food Inspector Asst, Food Sanitation Coord, Research and Development Tech, CTE Teacher, Dietitian/Nutritionist, Food Scientist



Agriculture, Food & Natural Resources career cluster

x

Natural Resource Science career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Business Communications 1						x			x	
CTE Internship					x					12
Natural Resource Science 1 (CHS)		x			x					
Natural Resource Science 2 (CHS)	x				x					
Postsecondary Education, Training, and Career ideas		Firefighter, Heavy Equipment Operator, Pesticide Handler/Applicator, Arborist, Fisheries Tech, Forestry Tech, CTE Teacher, Conservation Officer/Scientist, Wildlife Biologist								

Plant Science career pathway (LHS <2.0 credits)

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses


Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Business Communications 1						x			x	
Biology Agricultural Science							X CHS	x		
CTE Internship				x						12
Greenhouse Management						x			x	
Plant and Soil Science		x					X CHS	x		
Floriculture	x						X CHS		x	
Postsecondary Education, Training, and Career ideas		Crop Scout, Irrigation Specialist, Pesticide Handler/Applicator, Arborist, Landscape Tech, Turf Mgr, CTE Teacher, Crop Advisor, Landscape Designer/Architect								



Architecture & Construction career cluster

Architectural Design (CAD) career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses


Course	Concentrator Course Must take one of these courses	Recommended Course	Support Course Does not count as a CTE Pathway Completer only as a Lancer Path award	CE Credit If taken as .05 CE credit, it receives double credit	1.0 Credit	.50 credit	Magnet Course Not offered at LHS	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
 Secondary Math 2			x						10	
Electrician 1 (DTC)							X DTC			x
Plumbing 1 (DTC)							X DTC			x
CAD Architectural Design 1		x		x		x			x	
CAD Architectural Design 2	x			x		x			x	
Carpentry 1				x	x				x	
CAD Architectural Design 3				x		x				x
Construction Management						x			x	
Construction Technology							x	9		
CTE Internship					x					12

Postsecondary Education, Training, and Career ideas

Civil Drafter, Architectural Drafter, Architect, Architectural and Engineering, Civil Engineer

Construction & Structural Systems career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course Must take one of these courses	Recommended Course	Support Course Does not count as a CTE Pathway Completer only as a Lancer Path award	CE Credit If taken as .05 CE credit, it receives double credit	1.0 Credit	.50 credit	Magnet Course Not offered at LHS	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
 Math 1050			X	x						x
English 1010			X	x						12
Entrepreneurship			x	x					x	
Carpentry 1	x			x	x				x	
Carpentry 2				x	x				x	
Construction Management 1		x				x			x	
Construction Management 2	x					x			x	
Construction Management 3						x				x
Construction Technology		x					x	9		
Electrician 1 & 2 (DTC)	x									x
Plumbing 1 & 2 (DTC)	x									x
Woods 1		x				x			x	
CTE Internship					x					12

Postsecondary Education, Training, and Career ideas

Electrical/Electronics Engineer Tech, Pipefitter, Plumber, Carpenter, Electrical Drafter, CTE Teacher, Construction Mgr, Electrical Engineer



Architecture & Construction career cluster

Interior Design career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course Must take one of these courses	Recommended Course	Support Course Does not count as a CTE Pathway Completer only as a Lancer Path award	CE Credit If taken as .05 CE credit, it receives double credit	1.0 Credit	.50 credit	Magnet Course Not offered at LHS	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Entrepreneurship			X	X		X			X	
Business Communications 1						X			X	
CAD Architectural Design 1				X		X			X	
Digital Graphic Art intro						X			X	
Interior Design 1		X				X		X		
Interior Design 2	X			X		X			X	
Marketing 1						X			X	
Sewing Construction & Text 3						X			X	
CTE Internship					X					12

Postsecondary Education, Training, and Career ideas


Photo Stylist, Architect, CTE Teacher, Interior Designer, Sales Manager, Showroom Designer



Arts, Audio/Visual Technology & Communications career cluster

Broadcasting & Digital Media career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course 	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Drama			X			X		X		
Drawing 1			X			X		X		
Marketing 1			X			X			X	
Painting			X			X		X		
Photography			X			X			X	
Musical Theatre			X							X
3D Animation						X			X	
3D Graphics						X		X		
Computer Programming 1		X				X			X	
Computer Science Principles		X		X		X		X		
Digital Graphic Art Intro		X				X		X		
Digital Audio 1	X					X			X	
Digital Audio 2						X			X	
Digital Media 1	X			X		X			X	
Digital Media 2				X		X			X	
Game Development Fund 1		X		X		X		X		
TV Broadcasting 1	X					X			X	
TV Broadcasting 2						X			X	
Video Production 1	X			X		X			X	
Video Production 2				X		X	Catalyst		X	
Web Development 1		X				X		X		
CTE Internship					X					12

Postsecondary Education, Training, and Career ideas


Video Editor, Sound Engineering Tech, Audio Video Equipment Tech, Broadcast Tech, Comm. Equipment Mechanic, Announcer, Camera Operator, CTE Teacher



Arts, Audio/Visual Technology & Communications career cluster

Fashion Apparel & Textiles career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses


Course 	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Entrepreneurship			X						X	
Digital Graphic Art Intro						X		X		
Fashion Design Studio		X		X		X		X		
Fashion Merchandising	X					X			X	
Sewing Construction & Text 1		X				X		X		
Sewing Construction & Text 2		X				X		X		
Sewing Construction & Text 3						X			X	
Sports & Outdoor Design 1						X	X	9		
CTE Internship					X					12

Postsecondary Education, Training, and Career ideas

Graphic Designer, Fashion Design and Merchandising, CTE Teacher, Fashion Designer, Fashion Illustrator, Textile Scientist

Graphic Design & Communication career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course 	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Drawing 1			X					X		
Entrepreneurship			X						X	
Painting			X					X		
Photography			X						X	
Commercial Art 1		X				X	Catalyst		X	
Commercial Art 2						X	Catalyst		X	
Commercial Photography 1		X				X			X	
Commercial Photography 2		X				X				X
Digital Graphic Art Intro		X				X		X		
CTE Internship					X					12

Postsecondary Education, Training, and Career ideas

Commercial Photographer, Web Developer, Art Director, Camera Operator, CTE Teacher, Commercial Designer



Arts, Audio/Visual Technology & Communications career cluster

Performance Lancer Path career pathway (NOT eligible for a CTE career pathway completer)

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses



Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
2 years of participation in the same performance group including: Band, Orchestra, Productions, Set Design, Choir, LITE Team, LIA, Debate, Cheerleading, Lancelles, Dance Company, & Yearbook	X				X			X		
AP Music Theory				X	X					X
Choir 2					X				X	
Commercial Photography 1						X			X	
Commercial Photography 2						X				X
CE Communications				X		X				X
Creative writing 1						X				X
Creative writing 2						X				X
Dance 1						X			X	
CE Dance 2				X		X			X	
CE English 1010				X		X				12
CE English 2015				X		X				12
Film Studies & History						X			X	
Guitar 1						X			X	
Guitar 2						X			X	
CE Intro to Music				X		X			X	
CE Intro to Theater				X		X			X	
Social Dance						X				X
Stage Craft					X				X	
Theater 3						X			X	
Theater 4						X			X	
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Musician, Music/Theater Teacher, Actor, Commercial Photographer, Director, Camera Operator, Commercial Designer									



Business, Finance & Marketing career cluster

Accounting & Finance career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses




Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
 Accounting 1		x							x	
Accounting 2	x								x	
Advanced Accounting	x					x	X DHS			x
Business Communications 1						x			x	
Business Marketing Capstone				x		x				x
Customer Service				x					x	
Digital Graphic Arts Intro						x		x		
Economics		x							x	
Entrepreneurship				x		x			x	
Marketing 1				x		x			x	
Sports & Entertainment Marketing						x			x	
Web Development 1						x		x		
CTE Internship					x					12
Postsecondary Education, Training, and Career ideas	Accountant, Auditor, Financial Manager, CTE Teacher									



Business, Finance & Marketing career cluster

Business Administration career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course   	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Accounting 1		x				x			x	
Business Communications 1						x			x	
Business Management	x			x		x			x	
Business Marketing Capstone				x		x				x
Customer Service				x		x			x	
Digital Graphic Arts Intro						x		x		
Economics									x	
Entrepreneurship		x		x		x			x	
Marketing 1		x		x		x			x	
Sports & Entertainment Marketing						x			x	
Web Development 1						x		x		
CTE Internship					x					12

Postsecondary Education, Training, and Career ideas


Account Representative, Consumer Advocate, Dispute Resolution Analyst, Budget Analyst, Credit Counselor, Financial Manager, CTE Teacher



Business, Finance & Marketing career cluster

Business Information Management career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
 Accounting 1						x			x	
Business Communications 1		x				x			x	
Business Marketing Capstone				x		x				x
Business Office Specialist	x			x		x		x		
Customer Service		x		x		x			x	
Digital Business Applications	x			x		x		x		
Digital Graphic Arts Intro						x		x		
Economics									x	
Entrepreneurship				x		x			x	
Information Technology, Intro		X				X		9		
Web Development 1						x		x		
CTE Internship					x					12

Postsecondary Education, Training, and Career ideas

Desktop Publisher, Legal Assistant, Web Developer, CTE Teacher, General and Operations Manager, Marketing Manager



Business, Finance & Marketing career cluster

Marketing career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Accounting 1						x			x	
Business Communications 1						x			x	
Business Marketing Capstone						x				x
Customer Service		x		x		x			x	
Digital Graphic Arts Intro						x		x		
Digital Marketing	x			x		x			x	
Economics		x							x	
Entrepreneurship		x		x		x			x	
Marketing 1		x		x		x			x	
Retailing	x			x		x			x	
Sports & Entertainment Marketing		x				x			x	
Web Development 1						x		x		
CTE Internship					x					12
Postsecondary Education, Training, and Career ideas	Art Director, Editor, Graphic Designer, CTE Teacher									



Computer Science & Information Technology career cluster

Cybersecurity career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Math 1050			X	X		X				X
Photography			X			X			X	
Secondary Math 2 & 3			X		X				X	
Computer Programming 1						X			X	
Computer Science Principles 1				X		X			X	
Cyber Defense and Ethics	X					X	X Catalyst		X	
Cyber Forensics						X	X Catalyst		X	
Cybersecurity DTC	X						X DTC			X
Exploring Computer Science						X		X		
Information Technology Intro						X	X	9		
Web Development 1						X		X		
CTE Internship					X					12

Postsecondary Education, Training, and Career ideas

Computer Network Support Specialist, CTE Teacher, Computer and Information Systems Manager, Computer Programmer

Information Technology Systems career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Math 1050			X	X		X				X
Secondary Math 2 & 3			X		X				X	
Computer Programming 1						X			X	
Computer Science Principles 1				X		X			X	
Exploring Computer Science						X	X	X		
Robotics DTC							X DTC	9	X	
Information Technology DTC	X						X DTC			
Information Technology Intro						X	X	9		
Web Development 1						X		X		
CTE Internship					X					12

Postsecondary Education, Training, and Career ideas




Computer Network Support Specialist, CTE Teacher, Computer Network Architect, Computer and Information Systems Navigator



Computer Science & Information Technology career cluster

Programming & Software Development career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course   	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Math 1050			X	X		X				X
Physics			X	X	X				X	
Secondary Math 2 & 3			X		X				X	
Computer Programming 1						X			X	
Computer Programming 2	X			X		X			X	
Computer Science Principles 1				X		X			X	
Adv Computer Program				X	X				X	
AP Computer Science	X			X	X				X	
Exploring Computer Science						X		X		
Game Development Fund 1				X		X		X		
Game Develop Fund 2						X	X Catalyst		X	
Information Technology Intro						X	X	9		
Robotics 1 DTC	X						X DTC			X
Software Development DTC							X DTC			X
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Web Developer, CTE Teacher, Computer Programmer, Computer Systems Analyst									



Computer Science & Information Technology career cluster

Web Development career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

<div style="text-align: center;"> </div> Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Math 1050			X			X				X
Secondary Math 2 & 3			X		X				X	
World Geography			X		X			X		
Computer Science Principles 1				X		X			X	
Digital Media Design (DTC)							X DTC			X
Digital Graphics Art Intro						X		X		
Entrepreneurship				X		X			X	
Exploring Computer Science						X		X		
Information Technology Intro						X	X	9		
Web Development 1						X		X		
Web Development 2	X			X		X			X	
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Web Developer, CTE Teacher, Computer and Information Systems Manager, Computer Programmer, Database Administrator									



Education & Training career cluster

Pre-K: Early Childhood Education career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Business Office Specialist			X	X		X		X		
Entrepreneurship			X	X		X			X	
Child Development						X		X		
Early Childhood Ed 1		X				X			X	
Early Childhood Education 2	X					X			X	
Early Childhood Education 3						X			X	
Food and Nutrition						X		X		
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Teacher Assistant, Educational Preschool Administrator, Preschool Teacher Assistant, CTE Teacher, Elementary Education Teacher, Special Education Teacher, Social Worker									

K-12: Teaching as a Profession career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses


Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Business Office Specialist			X	X		X		X		
Psychology			X	X		X			X	
Web Development 1			X	X		X			X	
Business Communications 1						X			X	
English 1010				X		X				X
Human Development				X		X				X
Math 1050				X		X				X
Teaching as a Profession 1		X				X	X	9		
Teaching as a Profession 2	X					X			X	
Teaching as a Profession 3				X		X			X	
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Teacher Assistant/Para Professional, Preschool Teacher, CTE Teacher, Elementary Education Teacher, Kindergarten Teacher, Middle School Teacher, Secondary School Teacher, Special Education Teacher									



Engineering & Technology career cluster

Engineering career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
 Chemistry			x	x					x	
Physics			x	x					x	
Secondary Math 2			x						x	
Aerospace Engineering	x					x			x	
CAD Architecture Design 1				x		x			x	
Composites 1 (DTC)							x			x
Electronics 1 & 2	x	x		x		x			x	
Engineering Principles 1 & 2 (POE)	x	x		x		x			x	
Engineering Technology						x	x	9		
Machining 1 (DTC)							x			x
Manufacturing Principles (DTC)	x	x					x			x
Plastics (DTC)							x			x
Robotics 1 & 2 (DTC)	x	x					x			x
Robotics Technology							x	9		
Welding Technician 1				x	x				x	
Woods 1						x			x	
CTE Internship					x					12
Postsecondary Education, Training, and Career ideas	Machine Operator, Production Tech, Electro-Mechanical Tech, Electronics Equipment Assembler, Automation Engineer, CTE Teacher, Electrical Engineer, Electronics Drafter									



Engineering & Technology career cluster

Mechanical Design (CAD) career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course Must take one of these courses	Recommended Course	Support Course Does not count as a CTE Pathway Completer only as a Lancer Path award	CE Credit If taken as .05 CE credit, it receives double credit	1.0 Credit	.50 credit	Magnet Course Not offered at LHS	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Secondary Math 2			X						X	
Composites (DTC)							X			X
Engineering Technology						X	X	9		
Machining 1 (DTC)							X			X
Plastics (DTC)							X			X
Welding Technician 1				X	X				X	
Woods 1						X			X	
CAD Mechanical Design 2 & 3 (IED)	X			X		X			X	
CTE Internship					X					12

Postsecondary Education, Training, and Career ideas

Engineering Technician, Mechanical Drafter, Mechanical Engineering Tech, Aerospace Engineer, CTE Teacher, Civil Engineer, Industrial Designer



Health Science career cluster

Health Science career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses


Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Medical Scholar			X	X	x		x			12
Health Science Intro					x				10	
Human Development				x		x				x
Medical Anatomy & Physiology				x	2.0					x
Medical Terminology				X		x				x
Advanced Health Science	x			x	2.0					x
Biotechnology	x			x	x		X NHS			x
Dental Assisting (DTC)	x						x			x
Emergency Med Respond	x			x		X			x	
EMT CTE Internship (DTC)	x						x			x
Exercise Sci / Sports Med	x			x	x					x
Medical Forensics	x				x					X
Medical Assistant (Catalyst & DTC)	x						x			X
Nurse Assistant/CNA (LHS & DTC)	x					x				X
Pharmacy Tech (Catalyst & DTC)	x						x			x
CTE Internship					x					12
Postsecondary Education, Training, and Career ideas	Microbiologist, Dental Hygienist, Occupational Therapy Asst, Registered Nurse, Athletic Trainer, CTE Teacher, Forensic Science, Tech, Clinical Lab Technician, Certified Nurses Asst, Emergency Medical Tech, Medical Asst, Clinical Lab Technologist									



Hospitality & Tourism career cluster

Culinary Arts career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses


Course	Concentrator Course Must take one of these courses	Recommended Course	Support Course Does not count as a CTE Pathway Completer only as a Lancer Path award	CE Credit If taken as .05 CE credit, it receives double credit	1.0 Credit	.50 credit	Magnet Course Not offered at LHS	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
 Entrepreneurship			X	X		X			X	
Hospitality and Tourism			X			X			X	
Customer Service				X		X			X	
Culinary Arts (DTC)							X			X
ProStart 1 & 2					X		X Catalyst			X
Food and Nutrition 1						X		X		
Culinary 1		X		X		X		X		
Culinary 2	X				X					X
Culinary 3					X					X
Baking and Pastry						X				X
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Baker/Pastry Chef, Sous Chef, Restaurant Manager, CTE Teacher, Culinary Art instructor, Executive Chef									



Hospitality & Tourism career cluster

Hospitality & Tourism career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses


 Course	Concentrator Course Must take one of these courses	Recommended Course	Support Course Does not count as a CTE Pathway Completer only as a Lancer Path award	CE Credit If taken as .05 CE credit, it receives double credit	1.0 Credit	.50 credit	Magnet Course Not offered at LHS	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Accounting 1						X			X	
Business Communications 1						X			X	
Business and Marketing Capstone				X		X				X
Culinary 1		X		X		X		X		
Customer Service		X		X		X			X	
Digital Graphics Intro						X		X		
Economics									X	
Entrepreneurship		X		X		X			X	
Marketing 1		X		X		X			X	
Web Development 1				X		X		X		
Hospitality & Tourism	X					X			X	
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	CTE Teacher, Marketing Manager, Meeting/Convention/Event Planner, Hotel manager									



Human Services career cluster


Behavioral Health and Social Services career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
 Medical Terminology/MAP			X	X		X				X
Psychology			X	X		X			X	
Sociology			X			X			X	
Behavior Health, Intro						X		X		
Health Science, Intro					X				10	
Individual and Family Health	X			X		X				X
Human Development				X		X				X
Personal and Family Finance	X			X		X			X	
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Social Worker, Financial Counselor, Marriage and Family Therapist, Psychologist, Community Health, CTE Teacher									

Personal Care Services career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses


Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
 Entrepreneurship			X						X	
Accounting 1						X			X	
Business Management				X		X			X	
Cosmetology (DTC)	X						X			X
Hair Design (DTC)	X						X			X
Basic Esthetician (DTC)	X						X			X
Nail Tech (DTC)	X						X			X
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Barber, Cosmetologist, Hair Designer, Manicurist or Pedicurist, Esthetician/Skincare Specialist, CTE Teacher									



Law, Public Safety, Corrections & Security career cluster

Protective Services career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
 Emergency Med Respond			x	x					x	
EMT CTE Internship (DTC)			x				x DTC			x
Medical Forensics			x							x
Criminal Justice, Intro							x WXHS		x	
Criminal Law	x						x WXHS			x
Fire Science (DTC)	x					x	x DTC			
Law Enforcement							x FHS			
CTE Internship					x					12
Postsecondary Education, Training, and Career ideas	First Responder, Firefighter, First-Line Supervisor of Firefighting and Prevention Workers, Police Officer, CTE Teacher, Criminal Justice and Law Enforcement Teacher									



Manufacturing career cluster

Manufacturing & Production career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

<div style="display: flex; align-items: center;"> </div> Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Secondary Math 2			X		X				X	
Woods 1		X				X			X	
Woods 2	X			X		X			X	
Woods 3						X				X
Composites (DTC)	X						X			X
Plastics (DTC)	X	X					X			X
Manufacturing Principles (DTC)							X			X
Manufacturing Technology						X	X	9		
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas		Production Technician, CTE Teacher, Manufacturing Engineer								

Welding & Machining career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses


<div style="display: flex; align-items: center;"> </div> Course	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Welding Tech 1				X	X				X	
Machining 1 & 2 (DTC)	X						X			X
Welding Tech 2	X			X	X				X	
Welding Tech 3				X	X					X
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas		Tool and Die Maker, Tool Maker, Welder, Machine Tool Technician, Welding Technician, CTE Teacher, Machine Tool Engineer, Welding Engineer								



Transportation, Distribution & Logistics career cluster

Auto Mechanics & Repairs career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses


Course 	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Entrepreneurship			X	X					X	
Intro to Auto/Auto 1		X		X		X			X	
ASE Chassis MLR /Auto 2	X			X	X					X
ASE Brakes / Auto 2				X		X				X
ASE Steering & Suspension/Auto 2				X		X				X
ASE Engine Performance / Auto 3				X		X				X
ASE Electrical Electronics/Auto 3				X		X				X
ASE Engine MLR / Auto 3				X	X					X
Electronics 1				X		X			X	
Welding 1				X	X				X	
Machining (DTC)							X			X
Automotive (DTC)							X			X
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Automotive Service Technician – ASE (Automotive Service Excellence), CTE Teacher, Automotive Engineer									



Transportation, Distribution & Logistics career cluster


Aviation career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course 	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
English 1010			X	X		X				12
Math 1050			X	X		X				X
Electronics 1				X		X			X	
UAS 1 Drone Pilot						X			X	
Machining (DTC)							X			X
Private Pilot						X	X and LHS			X
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Aircraft Mechanic, Aircraft Service Tech, Air Traffic Controller, Aircraft Co-Pilot, Aircraft Pilot, CTE Teacher, Flight Engineer									

Diesel career pathway

Obtain 3.0 credits by taking one concentrator course plus any combination of the pathway courses

Course 	Concentrator Course <i>Must take one of these courses</i>	Recommended Course	Support Course <i>Does not count as a CTE Pathway Completer only as a Lancer Path award</i>	CE Credit <i>If taken as .05 CE credit, it receives double credit</i>	1.0 Credit	.50 credit	Magnet Course <i>Not offered at LHS</i>	Grade		
								9, 10, 11, 12	10, 11, 12	11,12
Entrepreneurship			X	X		X			X	
Intro to Auto		X		X		X			X	
Electronics				X		X			X	
Machining (DTC)							X			X
Welding 1				X		X			X	
Diesel (DTC)	X						X			X
CTE Internship					X					12
Postsecondary Education, Training, and Career ideas	Automotive Service Technician – ASE (Automotive Service Excellence), CTE Teacher, Automotive Engineer									



CTE CAREER PATHWAYS

FREQUENTLY ASKED QUESTIONS

A CTE Career Pathway is a sequence of courses within a student's area of interest. A Career Pathway connects from high school to college for a certificate, a degree, and/or career.



Learning that works
for Utah

WHAT IS A CTE CAREER PATHWAY?

A CTE Career Pathway is a sequence of courses within a student's area of interest that connects to career interests and serves as an educational road map, leading to a credential. Utah has 34 CTE Career Pathways that align with the national Career Clusters®.

HOW ARE CTE CAREER PATHWAYS BENEFICIAL TO STUDENTS?

Many CTE Career Pathways offer concurrent enrollment credit. Participation in a CTE Career Pathway will save students time and money toward training and/or a college degree.

WHY SHOULD STUDENTS PARTICIPATE IN CTE CAREER PATHWAYS?

1. To acquire technical skills training.
2. To participate in hands-on learning.
3. To jump-start their future career.
4. To earn college credit while in high school.
5. To save time and money!

HOW DO CTE CAREER PATHWAYS CONNECT TO POSTSECONDARY EDUCATION?

CTE Career Pathways help match education and workplace needs through partnerships with postsecondary institutions, LEAs (local education agency), business, and industry.

CTE Career Pathways are the maps that can help guide students to:

- High school courses.
- Postsecondary options most relevant to their chosen career destination.

WHAT ARE THE OPPORTUNITIES FOR STUDENTS WHO PARTICIPATE IN A CTE CAREER PATHWAY?

- Maximize opportunities for students.
- Increase student awareness of careers and education and training.
- Strengthen the planning process by developing a Plan for College and Career Readiness.

Career Pathways help students find their passion by offering courses within their area of interest.

HOW DO CTE CAREER PATHWAYS PREPARE STUDENTS FOR COLLEGE AND CAREER?

- Students complete appropriate academic and skill development courses.
- Students participate in concurrent enrollment courses that meet degree requirements.
- Students complete related state or industry skill assessments.
- Students earn industry-recognized credentials of value.

ARE CONCURRENT ENROLLMENT CLASSES INCLUDED IN A CTE CAREER PATHWAY?

Yes! CTE Career Pathways may include concurrent enrollment courses, and credits earned can be transferred to a college or university.

IN UTAH, WHAT NUMBER OF STUDENTS ARE ENROLLED IN CTE COURSES?

- 171,489 secondary (SY 19-20)
- 104,763 postsecondary (SY 19-20)

WHAT DO CTE CAREER PATHWAYS PREPARE STUDENTS FOR?

Postsecondary education and training. High school students enrolled in CTE Career Pathways receive advanced occupational training to pursue postsecondary certificates and degrees.

WHAT DOES POSTSECONDARY EDUCATION MEAN?

Postsecondary education means a one-year certificate, a two-year associate or technical degree, or a four-year bachelor's degree.

WHAT DOES A CTE CAREER PATHWAY LOOK LIKE?

A CTE Career Pathway includes both foundation and elective courses within a student's area of interest. Students are required to earn a specific number of credits in order to be considered a CTE Career Pathway concentrator or completer.

WHAT IS A CTE CONCENTRATOR?

A concentrator is a student who has completed specific requirements in a single CTE program of study. In 2019-2020, 45.4 percent of students concentrated in a CTE Career Pathway.

The graduation rate for students who are CTE concentrators is 96.3 percent, compared to Utah's statewide graduation rate of 88.2 percent.

HOW MANY CREDITS DOES A STUDENT NEED TO BE A CTE CAREER PATHWAY COMPLETER?

A student needs 3.00 graduation credits to be a CTE Career Pathway completer. In 2019-2020, 15.3 percent of students completed a CTE Career Pathway.

WHAT PERCENTAGE OF JOBS REQUIRE ADDITIONAL TRAINING BEYOND HIGH SCHOOL?

According to the Georgetown University Center on Education and the Workforce, 35 percent of the job openings will require at least a bachelor's degree, and 30 percent of the job openings will require some college or an associate degree.

HOW MANY CTE CAREER PATHWAYS ARE THERE IN UTAH?

Utah recognizes 34 CTE Career Pathways that align with the national Career Clusters.

WHAT SUBJECT AREAS ARE COVERED BY CTE?

From agriculture to engineering to health science to manufacturing. CTE offers 34 CTE Career Pathways within 13 CTE Career Clusters.

WHAT CAREER PATHWAYS ARE OFFERED THROUGH CTE?

For a complete listing of CTE Career Pathways offered, talk to your high school counselor or access our website: UtahCTE.org.

ARE STUDENTS RECOGNIZED FOR COMPLETING THE SECONDARY PORTION OF A CTE CAREER PATHWAY?

Yes.
An award program recognizes students who successfully complete a CTE Career Pathway while in high school. This award is called the *Secondary Pathway Completer Recognition Award*. Students should talk to their school counselor about applying for this award.

HOW CAN I LEARN MORE ABOUT CTE AND CTE CAREER PATHWAYS?

Talk to your school counselor, contact the Utah State Board of Education, or access our website: UtahCTE.org.