



**Westlake High School  
CTE Career Pathways**

**CTE Specialist: Laura Giles**

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**\*\*3 credits are required to complete a  
CTE Pathway**

**Agriculture & Natural Resources**

Agricultural Mechanics Systems		
Required Concentrator Course		Grades
Ag Systems Technology 2	1.00	11-12
Explorer Courses		
Ag Systems Technology 1	1.00	10-12
Bio Agriculture	1.00	9-12
Business Comm 1 or 2	.50	10-12
Agriculture Science 1	1.00	9
Environmental Technician	1.00	10-12
Leadership Principles 1	.50	10-12
Optional Completer Course		
Advanced Ag Mechanics	1.00	11-12
CTE Internship	.50	11-12

Animal & Veterinary Science		
Required Concentrator Course		Grades
Animal Science 2	1.00	11-12
Explorer Courses		
Animal Science 1	1.00	11-12
Bio Agriculture	1.00	9-12
Business Comm 1 or 2	.50	10-12
Agriculture Science 1	1.00	9
Equine Science	.50	10-12
Leadership Principles 1	.50	10-12
Veterinary Assistant 1	1.00	10-12
Optional Completer Course		
CTE Internship	.50	11-12

Plant Science		
Required Concentrator Course		Grades
Floral Design (Floriculture)	.50	10-12
Explorer Courses		
Bio Agriculture	1.00	9-12
Business Comm 1 or 2	.50	10-12
Agriculture Science 1	1.00	9
Leadership Principles 1	.50	10-12
Plant & Soil Science 1	.50	10-12
Optional Completer Course		
Greenhouse/Landscape	1.00	10-12
CTE Internship	.50	11-12

Food Science, Dietetics & Nutrition		
Required Concentrator Course		Grades
Foods 2	.50	10-12
Explorer Courses		
Foods 1	.50	9-12
Medical Anatomy & Phys CE	1.00	11-12
Human Dev UVU PSY 1100	1.00	11-12
Optional Completer Course		
Foundations of Nutrition (UVU 1020)	1.00	11-12
CTE Internship	.50	11-12

Interior Design		
Required Concentrator Course		Grades
Interior Design 2	.50	10-12
Explorer Courses		
Interior Design 1	.50	9-12
Business Comm 1	.50	10-12
Digital Graphic Arts	.50	10-12
Entrepreneurship	.50	10-12
Optional Completer Course		
Interior Design 3	.50	11-12
Sewing 3	.50	11-12
CTE Internship	.50	11-12

\*Talk to Mrs. Holt about these classes

Construction & Structural Systems		
Required Concentrator Course		Grades
Carpentry 1	2.00	11-12
Required Completer Course		
Carpentry 2	2.00	11-12

**Arts, Audio/Visual Technology & Digital Media**

Broadcasting & Digital Media		
1 Required Concentrator Course		Grades
TV Broadcasting 1	.50	10-12
Video Production 1	.50	10-12
Digital Media (MTECH)	1.00	11-12
Explorer Courses		
Computer Programming 1	.50	10-12
Digital Graphic Arts	.50	10-12
Game Development 1	.50	10-12
Web Development 1	.50	9-12
Optional Completer Course		
TV Broadcasting 2	1.00	10-12
Video Production 2	1.00	10-12
CTE Internship	.50	11-12

Graphic Design & Communications		
1 Required Concentrator Course		Grades
Com/Advert Art - Com Art 2	.50	10-12
Digital Photo 1	.50	10-12
Explorer Courses		
Des & Vis Comm - Com Art 1	.50	10-12
Digital Graphics Arts Intro	.50	10-12
Entrepreneurship	.50	10-12
Robotics Technology	.50	9
Optional Completer Course		
Industrial Design - Com Art 3	.50	10-12
Digital Photo 2	.50	10-12
CTE Internship	.50	11-12

Fashion Apparel & Textiles		
1 Required Concentrator Course		Grades
Sewing 2	.50	10-12
Sports Sewing 2	.50	10-12
Fashion Design Merchandising	.50	10-12
Explorer Courses		
Digital Graphic Arts	.50	10-12
Fashion Design Studio	.50	9-12
Sewing 1 or Sports Sewing 1	.50	9-12
Entrepreneurship	.50	10-12
Optional Completer Course		
CTE Internship	.50	11-12
Sewing 3	.50	10-12

\*Talk to Mrs. Holt about this class

Accounting & Finance		
Required Concentrator Course		Grades
Accounting 2	.50	10-12
Explorer Courses		
Accounting 1	.50	10-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
Economics	.50	10-12
Entrepreneurship	.50	10-12
Sports Marketing	.50	10-12
Web Development 1	.50	9-12
Optional Completer Course		
CTE Internship	.50	11-12

Business Information Management		
1 Required Concentrator Course		Grades
Business Office Specialist	.50	9
Digital Business Apps	.50	9-12
Explorer Courses		
Accounting 1	.50	10-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
Business Law (East Shore)	.50	10-12
Intro to IT Info Technology	.50	9-12
Digital Graphic Arts	.50	10-12
Economics	.50	10-12
Entrepreneurship	.50	10-12
Web Development 1	.50	9-12
Optional Completer Course		
CTE Internship	.50	11-12

Business Administration		
1 Required Concentrator Course		Grades
Business Management	.50	10-12
Leadership Principles 2	.50	10-12
Explorer Courses		
Accounting 1	.50	10-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
Business Law (East Shore)	.50	10-12
Digital Graphic Arts	.50	10-12
Economics	.50	10-12
Entrepreneurship	.50	10-12
Leadership Principles 1	.50	10-12
Sports Marketing	.50	10-12
Web Development 1	.50	9-12
Optional Completer Course		
CTE Internship	.50	11-12

Marketing		
Required Concentrator Course		Grades
Retailing	.50	10-12
Explorer Courses		
Accounting 1	.50	10-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
Business Law (East Shore)	.50	10-12
Digital Graphic Arts	.50	10-12
Economics	.50	10-12
Entrepreneurship	.50	10-12
Sports Marketing	.50	10-12
Web Development 1	.50	9-12
Optional Completer Course		
CTE Internship	.50	11-12

## Computer Science & Info Tech

Cybersecurity		
1 Required Concentrator Course	Grades	
Linux Fundamentals	.50	10-12
Cybersecurity Fundamentals	.50	10-12
Explorer Courses		
Computer Programming 1	.50	10-12
Exploring Computer Science	.50	9-12
Intro to IT Info Technology	.50	9-12
Web Development 1	.50	9-12
Optional Completer Course		
CTE Internship	.50	11-12

Information Technology Systems		
Required Concentrator Course	Grades	
A++ Computer Hardware	1.00	10-12
Explorer Courses		
Intro to IT (Info Technology)	.50	9-12
Computer Programming 1	.50	10-12
Exploring Computer Science	.50	9-12
Robotics 1	.50	10-12
Robotics Technology	.50	9
Web Development 1	.50	9-12
Optional Completer Course		
CTE Internship	.50	11-12

Programming & Software Development		
1 Required Concentrator Course	Grades	
Computer Programming 2	.50	10-12
Game Dev Fundamentals 2	.50	10-12
Mobile App Development	.50	10-12
Explorer Courses		
Computer Programming 1	.50	10-12
Exploring Computer Science	.50	9-12
Intro to IT Info Technology	.50	9-12
Game Dev Fundamentals 1	.50	10-12
Robotics 1	.50	10-12
Robotics Technology	.50	9
Optional Completer Course		
Algorithms & Data Structure	1.00	11-12
Computer Programming 3	1.00	11-12
CTE Internship	.50	11-12

Web Development		
Required Concentrator Course	Grades	
Web Development 2	.50	10-12
Explorer Courses		
Digital Graphics Arts	.50	10-12
Exploring Comp Science	.50	9-12
Intro to IT Info Technology	.50	9-12
Entrepreneurship	.50	10-12
Web Development 1	.50	9-12
Optional Completer Course		
Web Dev 3 (Capstone)	1.0	11-12
CTE Internship	.50	11-12

## Education & Training

Pre-K: Early Childhood Education		
Required Concentrator Course	Grades	
Early Childhood Ed 2	.50	10-12
Explorer Courses		
Child Development	.50	9-12
Foods 1	.50	9-12
Early Childhood Ed 1	.50	10-12
Optional Completer Course		
Early Childhood Ed 3	1.00	11-12
CTE Internship	.50	11-12

K-12: Teaching as a Profession		
Required Concentrator Course	Grades	
Teaching as a Profession 2	.50	10-12
Explorer Courses		
Teaching as a Profession 1	.50	10-12
Human Dev UVU PSY 1100	1.00	11-12
Business Communication 1	.50	10-12
Math 1050 UVU CE	1.00	11-12
English 1010 UVU CE	1.00	11-12
Optional Completer Course		
Teaching as a Profession 3	1.00	11-12
CTE Internship	.50	11-12

## Engineering & Technology

Engineering		
Required Concentrator Course	Grades	
Robotics 2	.50	10-12
Explorer Courses		
Robotics Technology	.50	9
Robotics 1	.50	10-12
CAD Mechanical 1	.50	10-12
Engineering Technology	.50	9
Woodworking 1	.50-1.00	10-12
Welding Tech 1 CE (MTECH)	1.00	12
Optional Completer Course		
CTE Internship	.50	11-12

## Health Science

Health Science		
1 Required Concentrator Course	Grades	
EMR	.50	10-12
Dental Assistant (MTECH)	2.00	12
EMT (MTECH)	2.00	12
Ex. Science/Sports Med	1.00	11-12
Medical Asst. (MTECH)	2.00	12
Nurse Asst. CNA (MTECH)	1.00	11-12
Pharmacy Tech (MTECH)	2.00	12
Medical Forensics	1.00	10-12
Explorer Courses		
Health Science, Intro.	.50	9-12
Human Dev UVU PSY 1100	1.00	11-12
Medical Anatomy & Physiology	1.00	11-12
Medical Terminology	.50	10-12
Optional Completer Course		
CTE Internship	.50	11-12

## Hospitality & Tourism

Culinary Arts		
Required Concentrator Course	Grades	
ProStart 1	1.00	11-12
Explorer Courses		
Foods 1	.50	9-12
Culinary Arts 1	.50	10-12
Optional Completer Course		
ProStart 2	1.00	10-12
CTE Internship	.50	11-12

## Human Services

Personal Care Services		
1 Required Concentrator Course	Grades	
Basic Esthetician (private)	2.00	12
Cosmetology (MTECH)	2.00	12
Hair Design (MTECH)	2.00	12
Explorer Courses		
Accounting 1	.50	10-12
Entrepreneurship	.50	10-12
Optional Completer Course		
CTE Internship	.50	11-12

## Manufacturing

Manufacturing & Production		
Required Concentrator Course	Grades	
Furn. Design (Woods 2)	1.00	10-12
Explorer Courses		
Manufacturing Technology	.50	9
CAD Mechanical 1	.50	10-12
Woodworking 1	.50-100	10-12
Opt. Completer Course		
Cabinetmaking (Woods 3)	1.00	11-12
CTE Internship	.50	11-12

Welding & Machining		
1 Required Concentrator Course	Grades	
Welding (MTECH)	2.00	12
Precision Machining (MTECH)	2.00	11-12
Fitting Technology (MTECH)	2.00	12
Explorer Course		
Welding (entry level)	2.00	12
Optional Completer Course		
CTE Internship	.50	11-12

## Transportation

Auto Mechanics & Repairs		
Required Concentrator Course	Grades	
ASE Chassis (MTECH)	1.00	12
Explorer Courses		
Automotive Intro. (MTECH)	1.00	11-12
Welding (MTECH)	2.00	12
Optional Completer Course		
ASE Engine (MTECH)	1.00	12
CTE Internship	.50	11-12

Diesel		
Required Concentrator Course	Grades	
Diesel 1 (MTECH)	1.00	12
Explorer Courses		
Automotive (MTECH)	2.00	11-12
Welding (entry level) (MTECH)	1.00	12
Optional Completer Course		
Diesel 2 (MTECH)	1.00	12
CTE Internship	.50	11-12

All pathways require 1 concentrator course, 1 explorer course and a total of 3 credits to complete the pathway

CTE does not discriminate based on race, color, national origin, gender, sexual orientation, or disabilities.

