



**Westlake High School  
CTE Career Pathways**

updated 9/23

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

**Agriculture & Natural Resources**

Agricultural Mechanics Systems		
Required CTE Course		Grades
<b>Ag Mechanics 2 (Ag Systems 2)</b>	<b>1.00</b>	<b>11-12</b>
CTE Courses		
Ag Mechanics 1 (Ag Systems 1)	1.00	10-12
Bio Agriculture	1.00	9-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
Agriculture Science 1	1.00	9
<b>Business Leadership 1/2 CE</b>	<b>1.00</b>	<b>10-12</b>
Advanced Ag Mechanics	1.00	11-12
CTE Internship	.50	12

Animal & Veterinary Science		
Required CTE Course		Grades
<b>Animal Science 2 CE (thru Snow)</b>	<b>1.00</b>	<b>11-12</b>
CTE Courses		
Animal Science 1	1.00	11-12
Bio Agriculture	1.00	9-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
Agriculture Science 1	1.00	9
Equine Science	.50	10-12
<b>Business Leadership 1/2 CE</b>	<b>1.00</b>	<b>10-12</b>
Veterinary Assistant 1	1.00	10-12
CTE Internship	.50	12

Plant Science		
Required CTE Course		Grades
<b>Floral Design (Floriculture)</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Bio Agriculture	1.00	9-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
Agriculture Science 1	1.00	9
<b>Business Leadership 1/2 CE</b>	<b>1.00</b>	<b>10-12</b>
<b>Plant &amp; Soil Science 1 CE USU</b>	<b>.50</b>	<b>10-12</b>
Greenhouse Management	.50	10-12
CTE Internship	.50	12

Food Science, Dietetics & Nutrition		
Required CTE Course		Grades
<b>Dietetics &amp; Nutrition (Foods 2)</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Foods & Nutrition 1	.50	9-12
Medical Anatomy & Phys	1.00	11-12
<b>Human Dev UVU PSY1100 CE</b>	<b>1.00</b>	<b>11-12</b>
<b>Foundation of Nutrition CE</b>	<b>1.00</b>	<b>11-12</b>
CTE Internship	.50	12

**Architecture & Construction**

Interior Design		
Required CTE Course		Grades
<b>Interior Design 2</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Interior Design 1	.50	9-12
Business Communication 1	.50	10-12
Digital Media 1	.50	10-12
Entrepreneurship	.50	10-12
Interior Design 3 (at Lone Peak)	1.00	11-12
Sewing 3	.50	11-12
CTE Internship	.50	12

Construction & Structural Systems		
Required Courses		Grades
<b>Building Construction Class on project site</b>	<b>4.00 (full year)</b>	<b>11-12</b>

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

Broadcasting & Digital Media		
Required CTE Course - choose 1		Grades
<b>TV Broadcasting 1</b>	<b>.50</b>	<b>10-12</b>
<b>Video Production 1</b>	<b>.50</b>	<b>10-12</b>
<b>Digital Media (MTECH)</b>	<b>1.00</b>	<b>11-12</b>
CTE Courses		
Computer Programming 1	.50	10-12
Digital Media 1	.50	10-12
Web Development 1	.50	9-12
TV Broadcasting 2	.50	10-12
Video Production 2 (Thundervision)	1.00	10-12
<b>Video Production 2 CE (B8)</b>	<b>1.00</b>	<b>10-12</b>
CTE Internship	.50	12

Graphic Design & Communications		
Required CTE Course - choose 1		Grades
<b>Com Art 2 (Com/Advert Art)</b>	<b>.50</b>	<b>10-12</b>
<b>Digital Photo 1 (Com Photo 1)</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Com Art 1 (Des & Vis Comm)	.50	10-12
Digital Media 1	.50	10-12
Entrepreneurship	.50	10-12
Com Art 3 (Industrial Design)	.50	10-12
Digital Photo 2 (Com Photo 2)	.50	10-12
CTE Internship	.50	12

Fashion Apparel & Textiles		
Required CTE Course - choose 1		Grades
<b>Sewing 2</b>	<b>.50</b>	<b>10-12</b>
<b>Sports Sewing 2</b>	<b>.50</b>	<b>10-12</b>
<b>Fashion Design Merchandising</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Digital Media 1	.50	10-12
Fashion Design Studio	.50	9-12
<b>Sewing 1 CE USU</b>	<b>.50</b>	<b>9-12</b>
<b>Sports Sewing 1 CE USU</b>	<b>.50</b>	<b>9-12</b>
Entrepreneurship	.50	10-12
CTE Internship	.50	12
Sewing 3	.50	11-12

**\*Concurrent Enrollment classes are listed with CE**

**Business, Finance & Marketing**

Accounting & Finance		
Required CTE Course - choose 1		Grades
<b>Accounting 2</b>	<b>.50</b>	<b>10-12</b>
<b>Investing &amp; Wealth Mgmt</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Accounting 1	.50	10-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
<b>Economics CE</b>	<b>.50</b>	<b>10-12</b>
Entrepreneurship	.50	10-12
Sports Marketing	.50	10-12
Real Estate	.50	10-12
Web Development 1	.50	9-12
Business/Marketing Capstone	1.0	11-12
CTE Internship	.50	12

Business Information Management		
Required CTE Course - choose 1		Grades
<b>Business Office Specialist</b>	<b>.50</b>	<b>9</b>
<b>Digital Business Apps</b>	<b>.50</b>	<b>9-12</b>
CTE Courses		
Accounting 1	.50	10-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
<b>Intro to IT Info Tech CE</b>	<b>.50</b>	<b>10-12</b>
Digital Media 1	.50	10-12
<b>Economics CE</b>	<b>.50</b>	<b>10-12</b>
Entrepreneurship	.50	10-12
Web Development 1	.50	9-12
Business/Marketing Capstone	1.0	11-12
CTE Internship	.50	12

Business Administration		
Required CTE Course - choose 1		Grades
<b>Business Management CE</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Accounting 1	.50	10-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
<b>Business Leadership 1 CE</b>	<b>.50</b>	<b>10-12</b>
Digital Media 1	.50	10-12
<b>Economics CE</b>	<b>.50</b>	<b>10-12</b>
Entrepreneurship	.50	10-12
Real Estate	.50	10-12
Sports Marketing	.50	10-12
Web Development 1	.50	9-12
Business/Marketing Capstone	1.0	11-12
CTE Internship	.50	12

Marketing		
Required CTE Course		Grades
<b>Retailing</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Accounting 1	.50	10-12
Business Communication 1	.50	10-12
Business Communication 2	.50	10-12
Digital Media 1	.50	10-12
<b>Economics CE</b>	<b>.50</b>	<b>10-12</b>
Entrepreneurship	.50	10-12
Real Estate	.50	10-12
Sports Marketing	.50	10-12
Web Development 1	.50	9-12
Business/Marketing Capstone	1.0	11-12
CTE Internship	.50	12

## Computer Science & Info Tech

Cybersecurity		
Required CTE Course		Grade
<b>Linux/Cybersecurity CE</b>	<b>1.00</b>	<b>10-12</b>
CTE Courses		
Computer Programming 1	.50	10-12
Exploring Computer Science	.50	9-12
<b>Intro to IT Info Tech CE</b>	<b>.50</b>	<b>10-12</b>
Web Development 1	.50	9-12
CTE Internship	.50	12

Information Technology Systems		
Required CTE Course		Grades
<b>A+ Computer Systems CE</b>	<b>1.00</b>	<b>10-12</b>
CTE Courses		
<b>Intro to IT Info Tech CE</b>	<b>.50</b>	<b>10-12</b>
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
CTE Internship	.50	12

Programming & Software Development		
Required CTE Course - choose 1		Grades
<b>Computer Program 1/2 CE</b>	<b>1.00</b>	<b>10-12</b>
Game Dev Fundamentals 1	.50	10-12
Mobile App Development	.50	10-12
CTE Courses		
Computer Programming 1	.50	10-12
Exploring Computer Science	.50	9-12
<b>Intro to IT Info Tech CE</b>	<b>.50</b>	<b>10-12</b>
Robotics 1	.50	10-12
Robotics Technology	.50	9
Game Dev Fundamentals 2	.50	10-12
<b>Algorithms &amp; Data Struct CE</b>	<b>1.00</b>	<b>11-12</b>
<b>Computer Programming 3 CE</b>	<b>1.00</b>	<b>11-12</b>
CTE Internship	.50	12

Web Development		
Required CTE Course		Grades
<b>Web Development 2</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Digital Media 1	.50	10-12
Exploring Comp Science	.50	9-12
<b>Intro to IT Info Tech CE</b>	<b>.50</b>	<b>10-12</b>
Entrepreneurship	.50	10-12
Web Development 1	.50	9-12
Web Dev 3 (Capstone)	1.00	11-12
CTE Internship	.50	12

## Law, Public Safety, Corrections

Protective Services - Law Enforcement		
Required CTE Course		Grades
<b>Criminal Law UVU CJ1330</b>	<b>1.00</b>	<b>11-12</b>
CTE Courses		
Exploring Comp Science	.50	9-12
Health Science, Intro.	.50	9
<b>Intro to IT Info Tech CE</b>	<b>.50</b>	<b>10-12</b>
<b>Intro Criminal Justice CJ1010</b>	<b>1.00</b>	<b>11-12</b>
CTE Internship	.50	12

## Education & Training

Pre-K: Early Childhood Education		
Required CTE Course		Grades
<b>Early Childhood Ed 2</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Child Development	.50	9-12
Food and Nutrition 1	.50	9-12
Early Childhood Ed 1	.50	10-12
Early Childhood Ed 3	1.00	11-12
CTE Internship	.50	12

K-12: Teaching as a Profession		
Required CTE Course		Grades
<b>Teaching as a Profession 2</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Teaching as a Profession 1	.50	10-12
<b>Human Dev UVU PSY 1100</b>	<b>1.00</b>	<b>11-12</b>
Business Communication 1	.50	10-12
Math 1050 or AP Math	.50	11-12
English 1010 or AP English	1.00	11-12
<b>Teaching as a Profession 3 CE</b>	<b>.50</b>	<b>11-12</b>
CTE Internship (in a school)	.50	12

## Engineering & Technology

Engineering		
Required CTE Course		Grades
<b>Robotics 2</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Robotics Technology	.50	9
Robotics 1	.50	10-12
<b>CAD Mechanical 1 CE</b>	<b>.50</b>	<b>10-12</b>
Engineering Technology	.50	9
Woodworking 1	.50-1.00	10-12
<b>Woodworking 1 CE</b>	<b>1.00</b>	<b>10-12</b>
<b>Welding Tech 1 CE (MTECH)</b>	<b>1.00</b>	<b>12</b>
CTE Internship	.50	12

## Health Science

Health Science		
Required CTE Course - choose 1		Grades
<b>EMR CE</b>	<b>.50</b>	<b>10-12</b>
<b>Sports Medicine CE (Exercise Sci)</b>	<b>1.00</b>	<b>11-12</b>
<b>Medical Forensics CE</b>	<b>1.00</b>	<b>10-12</b>
<b>Dental Assistant (MTECH)</b>	<b>2.00</b>	<b>12</b>
<b>EMT (MTECH)</b>	<b>2.00</b>	<b>12</b>
<b>Medical Asst. (MTECH)</b>	<b>2.00</b>	<b>12</b>
<b>Nurse Asst. CNA (MTECH)</b>	<b>1.00</b>	<b>11-12</b>
<b>Pharmacy Tech (MTECH)</b>	<b>2.00</b>	<b>12</b>
CTE Courses		
Health Science, Intro.	.50	9
Medical Anatomy & Physiology	1.00	11-12
<b>Medical Terminology CE</b>	<b>.50</b>	<b>10-12</b>
<b>Human Dev UVU PSY 1100</b>	<b>1.00</b>	<b>11-12</b>
CTE Internship	.50	12

\*Concurrent Enrollment classes are listed with CE



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

## Hospitality & Tourism

Culinary Arts		
Required CTE Course		Grades
<b>ProStart 1 CE</b>	<b>1.00</b>	<b>11-12</b>
CTE Courses		
Food and Nutrition 1	.50	9-12
Culinary Arts 1	.50	10-12
<b>ProStart 2 CE</b>	<b>1.00</b>	<b>10-12</b>
CTE Internship	.50	12

## Transportation

Aviation		
Required CTE Course - choose 1		Grades
<b>Aviation 2</b>	<b>.50</b>	<b>10-12</b>
<b>Aviation Weather CE (at CVHS)</b>	<b>.50</b>	<b>10-12</b>
<b>Aviation Simulation CE (at CVHS)</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Aviation 1	.50	10-12
<b>Aviation Science CE (at CVHS or Dist Ed)</b>	<b>.5/1</b>	<b>10-12</b>
<b>Private Pilot CE (at CVHS)</b>	<b>.50</b>	<b>10-12</b>
<b>Air Transport CE (at CVHS or Dist Ed)</b>	<b>.5/1</b>	<b>10-12</b>
CTE Internship	.50	12

## Manufacturing

Manufacturing & Production		
Required CTE Course		Grades
<b>Woods 2 - Furniture Design</b>	<b>1.00</b>	<b>10-12</b>
CTE Courses		
Manufacturing Technology	.50	9
<b>CAD Mechanical 1 CE</b>	<b>.50</b>	<b>10-12</b>
Woodworking 1	.50	10-12
<b>Woodworking 1 CE</b>	<b>1.00</b>	<b>10-12</b>
Woods 3 - Cabinetmaking	1.00	11-12
CTE Internship	.50	12

## Human Services

Personal Care Services		
Required CTE Course - choose 1		Grades
<b>Basic Esthetician (private)</b>	<b>2.00</b>	<b>12</b>
<b>Cosmetology (MTECH)</b>	<b>2.00</b>	<b>12</b>
<b>Hair Design (MTECH)</b>	<b>2.00</b>	<b>12</b>
CTE Courses		
Accounting 1	.50	10-12
Business Management	.50	10-12
Entrepreneurship	.50	10-12
CTE Internship	.50	12

Family & Human Services		
Required CTE Course		Grades
<b>Ind &amp; Family Relations (ESO)</b>	<b>.50</b>	<b>10-12</b>
CTE Courses		
Health Science, Intro	.50	9
<b>Medical Terminology CE</b>	<b>.50</b>	<b>10-12</b>
<b>Human Dev UVU PSY 1100</b>	<b>1.00</b>	<b>11-12</b>
CTE Internship	.50	12

Pathways in Welding, Auto Mechanics and Diesel can be earned by taking the courses required at MTEch.

All pathways require 1 required course and a total of 3 credits to complete the pathway