



# MVHS CTE PATHWAYS 2020-2021

## AGRICULTURE, FOOD & NAT RESOURCES

### Animal & Veterinary Science

1 Explorer Course Required		Grades
Agricultural Science 1	1.00	9-12
Biology- Ag Science	1.00	10-12
1 Concentrator Course Required		
Animal Science 2*	1.00	10-12
Optional Completer Course		
CTE Internship	.50	11-12

### Food Science, Dietetics & Nutrition

1 Explorer Course Required		Grades
Food and Nutrition	1.0	9-12
Med Anat Phys*	1.0	10-12
1 Concentrator Course Required		
Food & Nutrition 2	.50	10-12
Optional Completer Course		
Fnd. of Nutr. (Dist Ed)	.50	11-12
CTE Internship	.50	11-12

### Plant Science

1 Explorer Course Required		Grades
Agricultural Science 1	1.00	9th grade
Biology-Ag Science	1.00	10-12
Plant & Soil Science 1*	1.00	11-12
1 Concentrator Course Required		
Floriculture	.50	10-12
Optional Completer Courses		
CTE Internship	.50	11-12
Greenhouse Mgmt.	.50	10-12

## ARTS, AUDIO-VISUAL TECH & COMM

### Broadcasting & Digital Media

1 Explorer Course Required		Grades
Computer Sci Princ 1*	.50-1.00	10-12
Computer Prog 1*	1.00	10-12
DigiGraph Arts Intro*	.50-1.00	10-12
Game Dev. Fund 1*	.50	10-12
Web Development 1*	.50	10-12
1 Concentrator Course Required		
TV Broadcasting 1	.50	10-12
Video Production 1*	.50	10-12
UVU-DGM 2010 CE		11-12
Digital Media 1A/1B	1.00	11-12
Optional Completer Course		
Digital Media 2*	1.00	10-12
CTE Internship	.50	11-12

### Graphic Design & Communication

1 Explorer Course Required		Grades
Commercial Arts 1* (Comm & Adv. Arts)	.50	10-12
Digital Graphic Arts Intro*	.50-1.00	10-12
1 Concentrator Course Required		
Commercial Photo 1* (Digital Photo)	.50	10-12
Optional Completer Course		
CTE Internship	.50	11-12

## BUSINESS, FINANCE & MARKETING

### Accounting & Finance

1 Explorer Course Required		Grades
Accounting 1*	.50	10-12
Business Law IVC	.50	10-12
Economics*	.50	10-12
Entrepreneurship*	.50	10-12
Marketing 1*	.50	10-12
Web Development 1*	.50	10-12
1 Concentrator Course Required		
Accounting 2*	.50	10-12
Optional Completer Course		
Bus & Mkt Capstone	.50	11-12
CTE Internship	.50	11-12

### Business Administration

1 Explorer Course Required		Grades
Accounting 1*	.50	10-12
Business Law IVC	.50	11-12
Digi. Graph Arts Intro*	.50	10-12
Economics*	.50	10-12
Entrepreneurship*	.50	10-12
Marketing 1*	.50	10-12
Web Development 1*	.50	10-12
1 Concentrator Course Required		
Business Mgmt*	.50	10-12
Optional Completer Course		
Bus & Mkt Capstone	.50	11-12
CTE Internship	.50	11-12

### Business Information Management

1 Explorer Course Required		Grades
Accounting 1*	.50	10-12
Business Law IVC	.50	11-12
Digi Graph. Arts Intro*	.50	10-12
Economics*	.50	10-12
Entrepreneurship*	.50	10-12
Web Development 1*	.50	10-12
UVU-MGMT 1010 CE	1.00	11-12
1 Concentrator Course Required		
Bus. Office Specialist*	.50	10-12
Optional Completer Course		
Bus. & Mkt Capstone	.50	11-12
CTE Internship	.50	10-12

### Marketing

1 Explorer Course Required		Grades
Accounting 1*	.50	10-12
Business Law (IVC)	.50	10-12
Digi Graph Arts Intro*	.50-1.00	10-12
Economics*	.50	10-12
Entrepreneurship*	.50	10-12
Marketing 1*	.50	10-12
Web Development 1*	.50	10-12
1 Concentrator Course Required		
Digital Marketing*	.50	10-12
Optional Completer Course		
Bus & Mkt Capstone	.50	11-12
CTE Internship	.50	11-12

## COMPUTER SCIENCE & INFORMATION TECHNOLOGY

### Information Technology

1 Explorer Course Required		Grades
Computer Prog. 1*	.50	10-12
Computer Sci Princ.*	.50-1.00	10-12
Robotics 1*	.50	10-12
Web Development 1*	.50	10-12
1 Concentrator Course Required		
Information Technology (MTECH)	1-2	11-12
Optional Completer Course		
CTE Internship	.50	11-12

### Cybersecurity

1 Explorer Course Required		Grades
Computer Prog. 1*	.50	10-12
Computer Sci Princ.*	.50-1.00	10-12
Web Development 1*	.50	10-12
1 Concentrator Course Required		
Information Technology (MTECH)	1-2	11-12
Optional Completer Course		
CTE Internship	.50	11-12

### Programming & Software Development

1 Explorer Course Required		Grades
Computer Prog 1*	.50	10-12
Robotics 1*	.50	10-12
Computer Science Principles*	.50-1.00	10-12
Game Development Fundamentals 1	.50	10-12
1 Concentrator Course Required		
Game Development Fundamentals 2	.50	10-12
Optional Completer Course		
CTE Internship	.50	11-12

\* INDICATES CONCURRENT ENROLLMENT COURSE

## EDUCATION & TRAINING

Pre-K: Early Childhood Education		
1 Explorer Course Required	Grades	
Child Development	.50	10-12
Early Childhood Education 1*	.50	10-12
Food & Nutrition 1	.50	10-12
1 Concentrator Course Required		
Early Childhood Education 2*	.50	10-12
Optional Completer Course		
Early Childhood Education 3	.50	11-12
CTE Internship	.50	11-12

## ENGINEERING & TECHNOLOGY

Engineering		
1 Explorer Course Required	Grades	
Engineering Princ. 1*	.50	10-12
Robotics 1	.50	10-12
Welding Technician, Entry Level*	.50	10-12
1 Concentrator Course Required		
Engineering Princ. 2*	.50	10-12
Robotics 2	.50	10-12
Optional Completer Course		
CTE Internship	.50	11-12

## HEALTH SCIENCE

Health Science		
1 Explorer Course Required	Grades	
Health Science, Intro.	.50	9-12
Medical Anatomy and Physiology*	1.00	10-12
Medical Terminology*	.50	10-12
1 Concentrator Course Required		
Emer Med. Resp. *	1.00	10-12
Health Science, Adv* (Health Sci 3)	1.00	11-12
Biotechnology*	1.00	11-12
Exercise Science/ Sports Medicine*	1.00	11-12
Emergency Medical Responder*	.50	10-12
Em Med Resp(MTECH)	.50-1	11-12
Dental Asst. (MTECH)	2.00	12
EMT (MTECH)	2.00	12
Medical Asst. (MTECH)	2.00	12
Nurse Asst. (MTECH)	1.00	11-12
Pharm. Tech(MTECH)	2.00	12
Optional Completer Course		
CTE Internship	.50	11-12

Individual MTECH Programs are all part of the HEALTH SCIENCE PATHWAY

ALL CTE PATHWAYS REQUIRE  
1 EXPLORER COURSE, 1 CONCENTRATOR COURSE AND  
ENOUGH PATHWAY-RELATED CLASSES  
TO COMPLETE 3 CREDITS.

## HOSPITALITY & TOURISM

Culinary Arts 2.5 CR 2020-21		
1 Explorer Course Required	Grades	
Food & Nutrition 1	.50	10-12
Culinary Arts 1*	1	11-12
ProStart 1	1	11-12
UVU-HM1110	1	11-12
1 Concentrator Course Required		
Culinary Arts 2	1	11-12
Optional Completer Course		
CTE Internship	.50	11-12

Hospitality & Tourism		
1 Explorer Course Required	Grades	
Accounting 1*	.50	10-12
Business Law (IVC)	.50	11-12
Culinary Arts 1*	1	11-12
Digi. Graph Arts Intro*	.50	10-12
Economics*	.50	10-12
Entrepreneurship*	.50	10-12
Marketing 1*	.50	10-12
Web Development 1*	.50	10-12
1 Concentrator Course Required		
Hospitality & Tourism*	.50	10-12
Optional Completer Course		
CTE Internship	.50	11-12
Bus. & Mkt Capstone	.50	11-12

## HUMAN SERVICES

Personal Care Services		
1 Explorer Course Required	Grades	
Accounting 1*	.50	10-12
Business Management	.50	10-12
1 Concentrator Course Required		
Barbering (MTECH)	1.0	11-12
Cosmetology (MTECH)	1.0	11-12
Hair Design (MTECH)	1.0	11-12
Basic Esthetician & Skin Care (MTECH)	1.0	11-12
Nail Technician/ Specialist Manicurist	1.0	11-12
Optional Completer Course		
CTE Internship	.50	11-12

Individual MTECH Programs are all part of the HUMAN SERVICES Pathway



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

## MANUFACTURING

Welding & Machining		
1 Explorer Course Required	Grades	
Weld Tech, Entry Lvl*	.50	10-12
Machining 1 (MTECH)	.50-1.00	11-12
1 Concentrator Course Required		
Weld Tech, IntMd Lvl*	.50	11-12
Machining 2 (MTECH)	.50-1.00	11-12
Optional Completer Course		
Weld Tech, Adv Lvl*	.50	11-12
CTE Internship	.50	11-12

Construction & Structural Systems		
1 Explorer Course Required	Grades	
Woods 1 (wworking)	.50	10-12
Construction Tech.	.50	9th
1 Concentrator Course Required		
UVU-CMGT 1190	2.00	11-12
Optional Completer Course		
UVU-CMGT 1220	2.00	11-12
CTE Internship	.50	11-12

## TRANSPORTATION & LOGISTICS

Auto Mechanics & Repair		
1 Explorer Course Required	Grades	
Automotive Intro* Auto 1	.50	10-12
Welding Technician,* Entry Level	.50	10-12
1 Concentrator Course Required		
ASE Chassis* Auto 2	.50	10-12
Optional Completer Course		
ASE Engine Perf & Auto Electrical* Auto 3	.50	11-12
ASE Steering & Susp*.	.50	11-12
ASE Brakes*	.50	11-12
CTE Internship	.50	11-12

Diesel 2021-22		
1 Explorer Course Required	Grades	
Automotive Intro* Auto 1	.50	10-12
Welding Technician,* Entry Level	.50	0-12
1 Concentrator Course Required		
Diesel 1*	1.0	10-12
Optional Completer Course		
CTE Internship	.50	11-12
Diesel 2*	.50	10-12

\* INDICATES CONCURRENT ENROLLMENT COURSE

CTE SPECIALIST: ANGIE ORTON RM #130  
angelaorton@alpinedistrict.org