

# Mountain Crest CTE Courses by Pathway SY 23-24

## Career Cluster: Agriculture, Food and Natural Resources

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

### Agricultural Mechanics Systems

Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Agricultural Science 1 A and B	1.0	Ag Systems Tech 2 A and B	1.0	Agricultural mechanics, Advanced	0.5
Ag Systems Tech 1 A and B	1.0			CTE Internship	0.5
Biology-Agricultural Science A and B	1.0				
Business Communication 1 or BUSN 2200	0.5				
Business Leadership 1					

CTSO: FFA

### Food Science, Dietetics and Nutrition

Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Food and Nutrition 1	0.5	Dietetics and Nutrition 1	0.5	FOUNDATION OF NUTRITION-NIDES 1020	0.5
Human Development-HDFS 1500	0.5			CTE Internship	0.5
Medical Anatomy A and B	1.0				

CTSO: FCCLA

### Plant Science

Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Agricultural Science 1A and 1B	1.0	Floriculture	0.5	CTE Internship	0.5
Biology-Agricultural Science A and B	1.0				
Business Communication 1 or BUSN 2200	0.5				
Business Leadership 1					
Plant and Soil Science 1 or PSC 1800	0.5				

CTSO: FFA

## Career Cluster: Architecture and Construction

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

### Construction and Structural Systems

Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
CAD Architectural Design 1	0.5	Carpentry 1 (BTECH Construction Tech)	1.0	CTE Internship	0.5
Construction Trades Foundation	0.5				
Woods 1	0.5				

CTSO: SkillsUSA

## Career Cluster: Arts, Audio/Video Technology and Communications

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

### Broadcasting and Digital Media

Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Computer Programming 1	0.5	Video Production 1	0.5	CTE Internship	0.5
Computer Science Principles or CS 1020	0.5			Video Production 2	0.5
Digital Media 1 (BTECH Digital Media)	1.0				
Web Development 1	0.5				

**CTSO: SkillsUSA**

Fashion Apparel and Textiles					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Digital Media 1 (BTECH Digital Media)	1	Sewing Construction and Textiles 2	0.5	CTE Internship	0.5
Sports and Outdoor Product Design- ECSE 1010	0.5	Fashion Design Merchandising (BTECH)	1		
Sewing Construction and Textiles 1	0.5				
Fashion Design Studio	0.5				

**CTSO: FCCLA**

**Career Cluster: Business, Finance and Marketing**

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

Business Administration					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Accounting 1 or BUSN 1111	0.5	Business Management or BUSN 1010	0.5	CTE Internship	0.5
Business Communication 1 or BUSN 2200	0.5				
Business Leadership 1					
Digital Media 1 (BTECH Digital Media)	1				
Economics-ECON 1500	0.5				
Marketing 1	0.5				
BTECH Real Estate	1				
Sports and Entertainment Marketing	0.5				
Web Development 1	0.5				

**CTSO: FBLA and DECA**

Business Information Management					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Accounting 1 or BUSN 1111	0.5	Business Office Specialist	0.5	CTE Internship	0.5
Business Communication 1 or BUSN 2200	0.5				
Digital Media 1 (BTECH Digital Media)	1				
Economics-ECON 1500	0.5				
Entrepreneurship information technology, intro (BTECH Intro to IT)	1				
Web Development 1	0.5				

**CTSO: FBLA**

Finance					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Accounting 1 or BUSN 1111	0.5	Accounting 2		CTE Internship	
Business Communication 1 or BUSN 2200	0.5				
Economics-ECON 1500	0.5				
Entrepreneurship					
Marketing 1	0.5				
BTECH Real Estate	1				
Sports and Entertainment Marketing	0.5				
Web Development 1	0.5				

**CTSO: FBLA**

Marketing					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Accounting 1 or BUSN 1111	0.5	Digital Marketing	0.5	CTE Internship	0.5
Business Communication I or BUSN 2200	0.5				
Digital Media 1 (BTECH Digital Media)	1				
Economics-ECON 1500	0.5				
Entrepreneurship					
Marketing 1	0.5				
BTECH Real Estate	1				
Sports and Entertainment Marketing	0.5				
Web Development 1	0.5				

CTSO: DECA

## Career Cluster: Computer Science and Information Technology

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

Programming and Software Development					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Computer Programming 1	0.5	Computer Programming 2	0.5	Game Development Fundamentals 2	0.5
Computer Science Principles or CS 1030	0.5	Computer Programming CS 1400	0.5	CTE Internship	0.5
Robotics 1	0.5	Gaming Development Fundamentals 1	0.5		
Exploring Computer Science	0.5				
Information Technology, Intro (BTECH Information Technology, Intro)	1				

CTSO: FBLA, SkillsUSA, TSA

Web Development					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Computer Science Principles or CS 1030	0.5	Web Development 2	0.5	CTE Internship	0.5
Digital Media 1 (BTECH Digital Media)	1				
Entrepreneurship					
Exploring Computer Science	0.5				
Information Technology, Intro (BTECH Informational Technology)	1				
Web Development 1	0.5				

CTSO: FBLA, SkillsUSA, TSA

## Career Cluster: Engineering and Technology

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

Engineering					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
CAD Architectural Design 1	0.5	Electronics 2	0.5	CTE Internship	0.5
Electronics 1	0.5	Engineering Principles 2	0.5		
Engineering Principles 1	0.5	Robotics 2	0.5		
Machining 1 (BTECH Machining)	1				
Robotics 1	0.5				
welding technician, Entry Level (BTECH Welding Entry)	1				
Woods 1	0.5				

CTSO: TSA

## Career Cluster: Health Science

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

Health Science					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Intro to Health Science	0.5	Emergency Medical Response (Intro to EMS)	0.5	CTE Internship	0.5
Human Development-HDFS 1500	0.5	Exercise Science A and B	1		
Medical Anatomy and Physiology A and B	1	Exercise Science (A) RHS 2175	0.5		
Medical Terminology	0.5	Health Science Capstone-HHS 1110, 1111	1.5		
		BTECH Medical Assistant	1		
		BTECH Nurse Assistant	1		
		BTECH Pharmacy Tech	1		
		BTECH Dental Assistant	1		

CTSO: HOSA

### Career Cluster: Human Services

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

Family and Human Services					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Behavioral Health Intro	0.5	Individual and Family Relationships or HDFS 2400	0.5	CTE Internship	0.5
Intro to Health Science	0.5	Personal and Family Finance	0.5		
Human Development-HDFS 1500	0.5				

CTSO: FCCLA, HOSA

### Personal Care Services-Cosmetology

Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Accounting 1 or BUSN 1111	0.5	Barbering (BRCC Cosmetology and Cosmetology)	1.5	CTE Internship	0.5
Business Management or BUSN 1010	0.5	(BRCC Cosmetology and Cosmetology)	1.5		

CTSO: SkillsUSA

### Career Cluster: Law, Public Safety, Corrections and Security

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

Protective Services					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
Behavioral Health Intro	0.5	Fire Science (BTECH Wildland Firefighter)	1	CTE Internship	0.5
Exploring Computer Science 1	0.5				
Intro to Health Science	0.5				
Information Technology, Intro (BTECH Information Technology, Intro)	1				
Law Enforcement	0.5				

CTSO: HOSA, SkillsUSA

### Career Cluster: Manufacturing

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

Manufacturing and Production					
Explorer Courses	Credit	Concentrator Courses (1 Required)	Credit	Completer Courses	Credit
CAPI Automated Manufacturing (AM STEM odd years)	1	Manufacturing Principles 2 (AM STEM even years)	0.5	Woods 3	0.5
Woods 1	0.5			CTE Internship	0.5

CTSO: SkillsUSA, TSA

Welding and Machining					
Explorer Courses	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
BTECH Machining 1	1	BTECH Machining 2	1	BTECH Welding Technician - Advanced	1
BTECH Welding Technician, Entry Level	1	BTECH Welding Technician, Intermediate Level	1	CTE Internship	0.5

CTSO: FFA, SkillsUSA

### Career Cluster: Transportation, Distribution, and Logistics

To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in the Pathway

Diesel					
Explorer Courses	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
BTECH Automotive, Introduction	1	BTECH ASE Diesel IMMR	1	BTECH ASE Diesel Engine	1
Electronics 1 (Machining 1)	0.5			CTE Internship	0.5
(BTECH Machining Technology)	1				
BTECH Welding Technician, Entry Level	1				

CTSO: SkillsUSA