

Ridgeline 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	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Agricultural Science 1A and B		Ag Systems Tech 2A and 1B	1.0	CTE Internship	0.5
Ag Systems Tech 1A and 1B	1.0	Advanced Agricultural Mechanics	0.5		
Biology-Agricultural Science A and B	1.0				
Business Communication 1	0.5				

CTSO: FFA

Animal and Veterinary Science

Explorer Courses	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Agricultural Science 1A and 1B		Animal Science 2A and 2B	1.0	CTE Internship	0.5
Animal Science 1A and 1B	1.0				
Biology-Agricultural Science 1A and 1B	1.0				
Business Communication 1	0.5				
Equine Science 1					
Veterinary Assistant 1A and 1B	1.0				

CTSO: FFA

Food Science, Dietetics, and Nutrition

Explorer Courses	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Food and Nutrition 1	0.5	Dietetics and Nutrition 1	0.5	Foundations of Nutrition (NDFS 1020)	0.5
Human Development-HDFS 1500	0.5			CTE Internship	0.5
Medical Anatomy and Physiology A and B	1.0				

CTSO: FCCLA

Plant Science

Explorer Courses	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Agricultural Science 1A and 1B		Floriculture	0.5	Advanced Floriculture	0.5
Biology-Agricultural Science A and B	1.0	Floriculture and Greenhouse Management	0.5	CTE Internship	0.5
Business Communication 1	0.5				
Plant and Soil Science A/PSC 1800					

CTSO: FFA

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	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Computer Programming 1	0.5	Video Production 1	0.5	CTE Internship	0.5
Computer Science Principles or CS 1030	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	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
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Digital Media 1 (BTECH Digital Media)	1.0	Sewing Construction and Textiles 2	0.5	CTE Internship	0.5
Sewing Construction and Textiles 1	0.5	BTECH Fashion Merchandising	1.0		
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 Information Management					
Explorer Courses	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Accounting 1 or BUSN 1111	0.5	Business Office Specialist	0.5	CTE Internship	0.5
Business Communication 1	0.5				
Business Law	0.5				
Digital Media 1 (BTECH Digital Media)	1.0				
Economics-ECON 1500	0.5				
Entrepreneurship	0.5				
Information Technology, Intro (BTECH Intro to IT)	1.0				
Web Development 1	0.5				

CTSO: DECA, FBLA

Finance					
Explorer Courses	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Accounting 1 or BUSN 1111	0.5	Accounting 2 (BUSN 2800)		CTE Internship	0.5
Business Communication 1	0.5				
Business Law	0.5				
Economics-ECON 1500	0.5				
Entrepreneurship	0.5				
Marketing 1					
BTECH Real Estate	1.0				
Sports and Entertainment Marketing	0.5				
Web Development 1	0.5				

CTSO: FBLA

Marketing					
Explorer Courses	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Accounting 1 or BUSN 1111	0.5	Digital Marketing	0.5	CTE Internship	0.5
Business Communication 1*	0.5				
Business Law	0.5				
Digital Media (BTECH Digital Media)	1.0				
Economics-ECON 1500	0.5				
Entrepreneurship	0.5				
Marketing 1					
BTECH Real Estate	1.0				
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	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Computer Programming 1	0.5	Computer Programming 2 or CS 1400	0.5	CTE Internship	0.5
Computer Science Principles or CS 1030)	0.5				
Robotics 1	0.5				

Information Technology, Intro (BTECH Intro to IT)	1.0			
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CTSO: FBLA, SkillsUSA, TSA

Career Cluster: Education and Training

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

K-12: Teaching as a Profession

Explorer Courses	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Business Communication 1	0.5	Teaching as a Profession 2 (Education 2)		Teaching as a Profession 3 (Education 3)	
Teaching as a Profession-TEAL 1010	0.5			CTE Internship	0.5
English 1010	0.5				
Human Development-HDFS 1500	0.5				
Math 1050	0.5				

CTSO: Educators Rising

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	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
CAD Mechanical Design 1	0.5	CAD Mechanical Design 2		CTE Internship	0.5
CAM Automated Manufacturing (AM STEM-odd years.)	1.0				
Electronics 1 (BTECH Electronics 1)	1.0				
Machining 1 (BTECH Machining)	1.0				
Robotics 1	0.5				
Welding Technician, Entry Level (BTECH Welding Entry)	1.0				
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	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Intro to Health Science	0.5	Emergency Medical Response*	0.5	CTE Internship	0.5
Human Development-HDFS 1500	0.5	Exercise Science A and B	1.0		
Medical Anatomy and Physiology A and B	1.0	Health Science Capstone-HTHS 1110, 1111	1.0		
Medical Terminology	0.5	BTECH Medical Assistant	1.0		
Medical Terminology-HEAL 1008	0.5	BTECH Nurse Assistant	1.0		
		BTECH Pharmacy Technician	1.0		
		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	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Behavioral Health, Intro		Individual and Family Relationships	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	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Accounting 1 or BUSN 1111	0.5	BBCC-Cosmetology and Barbering (Barbering)	1.5	CTE Internship	0.5
		BBCC-Cosmetology and Barbering (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	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Intro to Health Science	0.5	Fire Science (BTECH Wildland Firefighter)	1.0	CTE Internship	0.5
Information Technology, Intro (BTECH IT Intro)	1.0				
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	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
CAD Mechanical Design 1	0.5	Manufacturing Principles 2 (AM STEM-even years)	1.0	Woods 3	0.5
CAM Automated Manufacturing (AM STEM-odd years)	1.0			CTE Internship	0.5
Woods 1	0.5				

CTSO: SkillsUSA, TSA

Welding and Machining

Explorer Courses	Credits	Concentrator Courses (1 Required)	Credits	Completer Courses	Credits
Machining 1 (BTECH Machining 1)	1.0	Welding Technician, Intermediate Level (BTECH Welding Intermediate)	1.0	Welding Technician, Advanced Level (BTECH Welding Advanced)	1.0
Welding 1 (BTECH Welding Intro)	1.0			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
Automotive, Introduction (BTECH Automotive Introduction)	1.0	ASE Diesel IMMR (BTECH ASE Diesel IMMR)	1.0	ASE Diesel Electrical Systems (BTECH ASE Diesel Electrical Systems)	1.0
Electronics 1 (BTECH Electronics 1)	1.0			ASE Diesel Engine (BTECH ASE Diesel Engine)	1.0
Machining 1 (BTECH Machining Technology)	1.0			CTE Internship	0.5
Welding 1 (BTECH Welding TECH)	1.0				

CTSO: SkillsUSA