

Cluster	Pathway	Required Courses for Endorsement (Advanced Courses are indicated with an *)	Grade	Elective Courses Available	
Business & Industry	Agriculture Food & Natural Resources	Animal Science	Principles of Agriculture, Food and Natural Resources	9th	
			Small Animal/Equine Science (.5 cr each)	10th	Livestock 10th - 12th
		Veterinary Medical Applications* and/or Advanced Animal Science* (<i>Science Cr</i>)	11th	Floral Design (<i>Fine Arts Credit</i>) 10th - 12th	
		Practicum in Agriculture, Food & Natural Resources* (double-blocked)	12th	Wildlife, Fisheries, and Ecology Management 10th - 12th	
	Agricultural Mechanics	Agricultural Mechanics	Principles of Agriculture, Food and Natural Resources	9th	Small Engine Technology I 9th
			Agricultural Mechanics and Metal Technologies <i>Technical Dual Credit Available</i>	10th	Floral Design (<i>Fine Arts Credit</i>) 10th - 12th
			Agricultural Structures Design and Fabrication* (available 19-20)	11th/12th	Construction Technology I (double-blocked)
			Agricultural Equipment Design and Fabrication* (available 20-21)	11th/12th	Construction Technology II* (double-blocked)
	Practicum in Agriculture, Food & Natural Resources* (double-blocked)	12th			
	Architecture and Construction	Construction	Principles of Applied Engineering	9th	Architecture Design I 10th - 12th
			Construction Technology I (double-blocked)	10th	Architecture Design II (PR)
			Construction Technology II* (double-blocked)	11th	Interior Design I & II 10th - 12th
			Practicum in Construction* (double-blocked)	12th	Floral Design (<i>Fine Arts Credit</i>) 10th - 12th
	Manufacturing	Welding	Principles of Manufacturing	9th	Principles of Agriculture, Food and Natural Resources 9th
			Introduction to Welding	10th	Agricultural Mechanics and Metal Technologies 10th - 12th
			Welding I* (double-blocked) <i>Technical Dual Credit Available</i>	11th	
			Welding II* (double-blocked) <i>Technical Dual Credit Available</i>	12th	
	Finance		Principles of Business, Marketing, Finance <i>Technical Dual Credit Available</i>	9th	Dollars & Sense/Banking & Financial Services (.5 cr each) 10th-12th
Accounting I <i>Technical Dual Credit Available</i>			10th	Financial Mathematics (<i>Math Credit</i>) 10th - 12th	
Accounting II* <i>Technical Dual Credit Available</i>			11th	Business Information I 10th - 12th	
Practicum in Business, Marketing & Finance* (double-blocked)			12th	Business Information II* 11th - 12th	
				Statistics & Business Decision Making* 11th - 12th	
Information Technology		Principles of Applied Engineering	9th		
		Computer Programming I	10th or 11th	Engineering Design I 10th - 12th	
		Computer Programming II*	11th or 12th		
		Practicum in STEM* (double-blocked)	12th		
Marketing		Principles of Business, Marketing, Finance <i>Technical Dual Credit Available</i>	9th	Advertising/Fashion Marketing 10th - 12th	
		Sports and Entertainment Marketing/Social Media Marketing	10th	Financial Mathematics 10th - 12th	
		Entrepreneurship*	11th	Business Information I 10th - 12th	
		Practicum in Business, Marketing & Finance* (double-blocked)	12th	Business Information II* 11th - 12th	
Business Management & Administration		Principles of Business, Marketing, and Finance <i>Technical Dual Credit Available</i>	9th	Financial Mathematics (<i>Math Credit</i>) 10th - 12th	
		Business Information Management I	10th	Business Law 10th - 12th	
		Business Information Management II*	11th	Banking and Financial Services 10th - 12th	
		Practicum in Business, Marketing & Finance* (double-blocked)	12th	Statistics & Business Decision Making* 11th - 12th	
				Entrepreneurship* 11th - 12th	
Transportation, Distribution & Logistics	Automotive Technology	Small Engine Technology I	9th		
		Automotive Technology I* (double-blocked) <i>Technical Dual Credit Available</i>	11th	Engineering Design I 10th - 12th	
		Automotive Technology II* (double-blocked) <i>Technical Dual Credit Available</i>	12th		
Arts, Audio-Video Technology and Communications	A/V Production	Principles of Arts, A/V Technology and Communications	9th	Professional Communication 9th - 12th	
		Audio/Video Production I	10th	Fashion Design 10th - 12th	
		Audio/Video Production II* (double-blocked)	11th		
		Practicum in Arts, A/V and Communications* (double-blocked)	12th		
	Animation	Animation	Principles of Arts, A/V Technology and Communications	9th	Professional Communication 9th - 12th
			Computer Animation I	10th	Fashion Design 10th - 12th
			Computer Animation II* (double-blocked)	11th	
			Practicum in Arts, A/V and Communications* (double-blocked)	12th	
	Graphic Design	Graphic Design	Principles of Arts, A/V Technology and Communications	9th	Professional Communication 9th - 12th
			Graphic Design & Illustration I	10th	Fashion Design 10th - 12th
			Graphic Design & Illustration II* (double-blocked)	11th	Fashion Design II (PR)(AD) 11th - 12th
			Practicum in Arts, A/V and Communications* (double-blocked)	12th	
	Commercial Photography	Commercial Photography	Principles of Arts, A/V Technology and Communications	9th	Professional Communication 9th - 12th
			Commercial Photography I	10th	Fashion Design 10th - 12th
			Commercial Photography II* (double-blocked)	11th	Graphic Design & Illustration I 10th - 12th
			Practicum in Arts, A/V and Communications* (double-blocked)	12th	
Hospitality and Tourism	Culinary Arts	Principles of Hospitality and Tourism	9th		
		Introduction to Culinary Arts	10th	Floral Design (<i>Fine Arts Credit</i>) 10th - 12th	
		Culinary Arts (double-blocked)*	11th	Food Science* (<i>4th Science</i>) 11th - 12th	
		Practicum in Culinary Arts* (double-blocked)	12th		

* All CTE endorsements may include Professional Communications, Business Information Management, Dollars & Sense and Career Preparation I and II.