FHS Course Progression for Endorsement Pathways 2026-2027

Pathway	Career Cluster	Program of Study	Course 1	Course 2	Course 3	Course 4	Additional Courses
Business & Industry	Agriculture, Food, & Natural Resources	**Ag Business, Leadership & Communications**	Principles of Agriculture, Food, & Natural Resources	Professional Standards in Agribusiness (Judging 1)	Agribusiness Management & Marketing (Judging 2)	Ag Leadership, Research, & Communications (Judging 3)	
		Animal Science	Principles of Agriculture, Food, & Natural Resources	Livestock Production	Advanced Animal Science (science credit)	Career Prep for Programs of Study or Practicum	
		Ag Technology & Mechanical Systems	Principles of Agriculture, Food, & Natural Resources	Ag Structures & Fabrication (Ag Welding 1)	Ag Equipment Design & Fabrications (Ag Welding 2)		
		Food Science & Technology	Principles of Agriculture, Food, & Natural Resources	Food Technology & Safety (Foods of Texas)	Food Processing-Butchering	Food Science (science credit)	
		Plant Science	Principles of Agriculture, Food, & Natural Resources	Floral Design (fine art credit)	Advanced Floral Design	Advanced Plant & Soil Science (science credit)	Greenhouse Operation & Production
	Architecture & Construction	**Carpentry**	Principles of Construction	Construction Technology I	Construction Technology II	Career Prep for Programs of Study or Practicum	
	Arts, Audio/Video Technology, & Communication	**Graphic Design & Interactive Media (Yearbook)**	Principles of Arts, A/V Technology & Communications	Graphic Design & Illustration I	Graphic Design & Illustration II	Practicum in Graphic Design & Illustration	
		Printing & Imaging (Newspaper)	Principles of Arts, A/V Technology & Communications	Printing & Imaging Techonology I	Printing & Imaging Techonology II	Practicum in Printing & Imaging Techonology	
	Business, Marketing, & Finance	**Entrepreneurship**	Principles of Business, Marketing & Finance	Entrepreneurship I	Entrepreneurship II or *Incubator*	Practicum in Entreneurship or *Accelerator*	Statistics & Business Decision Making (math credit)
	Hospitality & Tourism	**Culinary Arts**	Introduction to Culinary Arts	Culinary Arts	Advanced Culinary	Food Science (science credit)	Career Prep for Programs of Study
	Transportation, Distribution & Logistics	**Automotive & Collision Repair**	Automotive Basics	Automotive Technology I	Automotive Technology II	Career Prep for Programs of Study or Practicum	
		Aviation	Introduction to Aerospace & Aviation	Intro to Unmanned Aerial Vehicle Flight	Aviation Ground School		
	Science, Technology, Engineering, & Mathematics	**Mechanical & Aerospace Engineering**	Principles of Applied Engineering	Scientific Research & Design 1 (science credit)	Engineering Design & Presentation I	Engineering Design & Problem Solving (science credit)	Intermediate CADD
					Intro to CADD	Scientific Research & Design 2 (science credit)	
Public Service	**Health Science**	**Diagnostics & Therapeutic Services**	Principles of Health Science	Medical Terminology	Health Science Theory/Clinical	Practicum in Health Science	Anatomy & Physiology (science credit)
		Exercise Science (Athletic Trainer)	Kinesiology 1	Kinesiology 2	Physical Therapy 1	Career & Tech Project-Based Capstone	
	Law & Public Service	**Law Enforcement**	Law Enforcement I	Criminal Investigation	Law Enforcement II	Forensic Sci	Career Prep for Programs of Study or Practicum

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STEM	**Math Pathway-Complete 5 credits and must include Algebra 2, Chemistry, & Physics**	Required: Algebra 1, Geometry/PreAP Geometry, Algebra 2/OnRamps College Algebra and two additional advanced level math courses from the following: PreCalculus, OnRamps PreCalculus, AP Calculus, OnRamps College Algebra,	
	Science Pathway - Complete 5 credits and must include Algebra 2, Chemistry, & Physics	Required: Biology/PreAP Biology, Chemistry/PreAP Chemistry, Physics/OnRamps Physics and two additional advanced science courses from the following: Anatomy & Physiology, Advanced Plant & Soil, Advanced Animal Science, Food Science, Forensic Science, AP Environmental Systems, Scientific Research & Design, Scientific Research & Design II, Engineering Design and Problem Solving	
Arts & Humanities	**Fine Arts - Complete 4 credits in the same category.**	Art, Band, Choir, Dance, Theater	
	Social Studies - Complete 3 credits required for graduation and additional 2 credits.	World Geography, AP Human Geography, World History, AP World History, US History, OnRamps US History, US History DC, Government, AP Government, Government DC, Economics, AP Economics, Economics DC, AP Psychology, Special Topics in Social Studies DC,	
	Languages Other Than English - 4 courses in the same language or 2 courses in 2 different languages.	Spanish 1, 2, 3, AP Spanish Language and Culture German 1, 2, 3, 4	
Multidisciplinary	**4x4 Pathway - complete 4 credits in each of the four foundation subject areas.**	English, Math, Social Studies, Science AND complete English 4, Chemistry and/or Physics	
	Advanced Course Pathway - Complete 4 credits in Advanced Placement or core Dual courses	Advanced Placement courses include: English Language, English Literature, Calculus, World History, Psychology, Human Geography, Government, Macroeconomics, Environmental Systems, Studio Art, Spanish Language & Culture	
		Dual credit courses include: English 3, English 4, Speech, Economics, Government, Psychology, Texas Government, US History, Art Appreciation, Music Appreciation	
		Dual enrollment courses through OnRamps include: PreCalculus, College Algebra, US History, Biology, Chemistry, Physics	