

Huffman ISD Endorsement Pathways				
Endorsement	Cluster Level	Pathway Level		
Business & Industry	<b>Agriculture, Food &amp; Natural Resources</b> <b>Animal Science</b>  <b>Ag Mechanics</b> <b>All Agriculture Certifications</b> (American Meat Science Certification) (Equine Certification) (Hunters, Boaters & Anglers Safety) (Principles of Livestock Selection) (OSHA Safety Certification) (AWS Welding Certification)	9	Principles of Agriculture, Food and Natural Resources (1)	
		10	Small Animal Management/Equine Science (1)	
		11	Veterinary Medical Applications (1)	
		12	Advanced Animal Science (1)	
		9	Principles of Agriculture, Food and Natural Resources (1)	
		10	Agricultural Mechanics and Metal Technologies (1)	
		11	Agricultural Structures Design and Fabrication (1)	
		12	Practicum in AFNR (2)	
		<b>Other Agriculture Classes</b>		
	10-12	Wildlife, Fisheries, and Ecology Management (1)		
	10-12	Floral Design (1)		
	12	Mathematical Applications in AFNR (1)		
	<b>Construction Certifications</b> (NCCER-Carpentry Fundamentals) (OSHA Safety Certification)	9	Principles of Construction (1)	
		10	Construction Technology I (2)	
		11	Construction Technology II (2)	
		12	Practicum in Construction Technology (2)	
	<b>Business Management &amp; Administration</b>	9	Principles of Business, Marketing, & Finance (1)	
10		Business Management (1)		
11		Business Law (1)		
12		Global Business/Virtual Business (1)-Online		
<b>Other Business Classes</b>				
12	Money Matters (1)			
<b>Hospitality &amp; Tourism</b> (OSHA Safety Certification) (Food Handlers Certification) (Food Protection Manager Certification)	10	Introduction to Culinary Arts (1)		
	11	Advanced Culinary Arts (2)		
	12	Practicum in Culinary Arts (2)		
Public Services	<b>Education &amp; Training</b> (CPR) (American Red Cross Babysitting)	9	Principles of Education & Training (1)	
		10	Child Development (1)	
		11	Instructional Practices (2)	
		12	Practicum in Education and Training (2)	
	<b>Health Science</b> (Phlebotomy Certification) (EKG Technician)	10	Principles of Health Science (1)	
		11	Health Science Theory (1)	
		11	Health Science Theory w/Clinical (2)	
		12	Practicum in Health Science (2)	
	<b>Other Health Science Class</b>			
	11-12	Anatomy & Physiology (1)		
	<b>Cosmetology</b>	11	Cosmetology I (2) (class offered at Lee College)	
		12	Cosmetology II (2) (classes offered at Lee College)	
	<b>Law, Public Safety, Corrections &amp; Security</b>	9	Principles of Law, Public Safety, Corrections & Security (1)	
		10	Law Enforcement I (1)	
		11	Law Enforcement II (1)	
11-12		Forensic Science (1)		
<b>JROTC</b>	9-12	Any four JROTC credits		
Arts & Humanities	<b>Arts, AV Technology &amp; Communications</b>  <b>Graphic Design</b>	9	Principles of Art, Audio Video Technology and Communications (1)	
		10	Graphic Design & Illustration I (1)	
		11	Graphic Design & Illustration II (1)	
		12	Video Game Design (1)	
	<b>Video Production</b>	9	Principles of Art, Audio Video Technology and Communications (1)	
		10	Audio Video Production (1)	
		11	Digital Audio Technology I (1)	
		12	Digital Audio Technology II (1)	
	<b>Fine Arts</b>	9-12	Any four Art credits (does not include Photography)	
		9-12	Any four Choir credits	
		9-12	Any four Theatre credits	
		9-12	Any four Dance/Drill credits	
		9-12	Any four Band credits	

\* You must complete four credits in a pathway to earn the endorsement.

\*\*Most courses are worth 1 credit; the numbers of credits is written in parentheses to the right of the course.

<b>Arts &amp; Humanities</b>	<b>World Language</b>	9-12	Any four Italian or Spanish credits		
		9-12	American Sign Language I, II (plus an additional two Spanish or Italian credits)		
	<b>Social Studies</b>	9	World Geography (1)		
		10	World History or AP World History or DC World History (1)		
		11	US History or AP US History or DC US History (1)		
		12	Economics or AP or DC (1/2) / Government or AP or DC (1/2)		
		11-12	Psychology Advanced (1/2) / AP Psychology (1/2)		
		11-12	AP European History		
	<b>STEM</b> (must complete Algebra II, Chemistry and Physics)	<b>Science</b> (must complete two additional advanced science courses)	9	IPC or Biology Advanced (1)	
			10	Biology/Advanced (if taken IPC) (1)	
10-12			Chemistry or Chemistry Advanced (1)		
10-12			Physics or Physics Advanced (1)		
11-12			Aquatic Science (1)		
11-12			Astronomy (1)		
11-12			Environmental Systems (1)		
11-12			AP Biology or DC Biology (1)		
11-12			AP Chemistry (1)		
11-12			AP Environmental Science (1)		
11-12			AP Physics I (1)		
11-12			Anatomy and Physiology (1)		
11-12			Forensic Science (1)		
11-12			Advanced Animal Science (1)		
<b>Engineering</b>			9	Principles of Applied Engineering (1)	
		10	Robotics I (1)		
		11	Robotics II (1)		
		12	Engineering Design and Problem Solving (1)		
<b>Mathematics</b> (must complete two additional advanced courses with Algebra II as a pre-req)		9-10	Algebra I or Algebra I Advanced (1)		
		9-10	Geometry or Geometry Advanced (1)		
		11-12	Algebra II or Algebra II Advanced (1)		
		11-12	Pre-Calculus Advanced (1)		
		11-12	AP Calculus AB (1)		
		11-12	Statistics (1)		
		11-12	AP Statistics (1)		
		11-12	Independent Study of Mathematics (Algebra III) (1)		
		12	College Prep Math (Community College Only) (1)		
		12	Math Applications in Agriculture (1)		
		12	Dual Credit Pre-Calculus (1/2)		
		12	Dual College Algebra (as 5th math or concurrent) (1/2)		
		<b>Multidisciplinary Studies</b>	<b>Multidisciplinary Studies</b>		Four advanced course that prepare a student to enter the workforce successfully or post secondary education without remediation from within one or more endorsement areas that are not in a coherent sequence.
					Four credits in each of the foundation subject areas to include English IV and Chemistry and/or Physics.
				Four credits in advanced placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts.	

**Other Electives**

- 10-12 Costume Design I
- 10-12 Costume Design II
- 9 Debate I
- 10-12 Debate II-III
- 9 Sports Medicine I
- 10-12 Sports Medicine II-III
- 10-12 Yearbook I-III
- 12 Office Aide
- 12 PALS
- 9-12 Commercial Photography
- 11-12 AP/DC Lab
- 9-12 PE
- 12 Humanities

**Graduation Requirements**

- 1-PE
- 1-Fine Art
- 2-Foreign Language
- 4-English
- 4-Math
- 4-Social Studies
- 4 Science
- 4-Endorsement Electives
- 2-Electives

**Total: 26 credits**

Dual Credit Options listed in Course Guide

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