

Graduation Requirements

As enacted by the 83rd Texas Legislature and the approval of the State Board of Education, House Bill 5 (HB5) created the Foundation High School Plan, with Endorsements, Distinguished Level of Achievement, and Performance Acknowledgements. The Foundation Plan consists of 22 credits plus an endorsement consisting of 4 elective courses, for a total of 26 credits.

Foundation Plan consists of 22 state credits:

- 4 English/Language Arts – Three credits must be ELA I, II, III and then an additional English course
- 3 Mathematics – Two credits must be Algebra I, Geometry, and then an additional Math course
- 3 Science – One credit must be Biology, one from either Integrated Physics & Chemistry or Chemistry; and then an additional Science course
- 3 Social Studies – Two credits must be US History, Government/Economics and then either World Geography or World History
- 2 Foreign Languages credits of the same language
- 1 Fine Arts
- 1 Physical Education
- 4 Electives
- one-half credit of Professional Communications (local requirement)
- one-half credit of Health (local requirement)

Each Endorsement consists of an additional 4 credits, for a total of 26 credits. These additional credits must include one additional Science and one additional Math at Algebra II level or above. (Algebra II is a local requirement)

The five Endorsement areas are:

- Science, Technology, Engineering and Mathematics (STEM)
- Business & Industry
- Public Services
- Arts & Humanities
- Multidisciplinary Studies

Distinguished Level of Achievement

A student may earn a Distinguished Level of Achievement by successfully completing the curriculum requirements for the Foundation High School Program and the curriculum requirements for at least one endorsement, including four credits in Science and four credits in Mathematics to include Algebra II. A student must earn Distinguished Level of Achievement to be eligible for top 10% automatic college admission.

Performance Acknowledgements

A student may earn a Performance Acknowledgement for outstanding performance in Dual Credit courses, in bilingualism and bi-literacy, on a College Board AP test, on the PSAT, the SAT or the ACT. A student may also earn a Performance Acknowledgement for earning a nationally or internationally recognized business or industry certification or license.

The following pages detail the Foundation Plan and Endorsement options closer.

TEXAS HIGH SCHOOL DIPLOMA – Friendswood Independent School District

FOUNDATION – 22 CREDITS

- **4 English Language Arts credits** – Three credits must be ELA I, II, III and an additional English course
- **3 Mathematics credits** – Two credits must be Algebra I, Geometry, and then an additional Math course
- **3 Science credits** – One credit must be Biology, one from either Integrated Physics and Chemistry or Chemistry; and an additional Science course
- **3 Social Studies credits** – Two credits must be US History, Government/Economics and either World Geography or World History
- **2 Foreign Language credits** of the same language
- **1 Fine Arts; 1 Physical Education; 4 Electives; and local requirements of ½ Professional Communications & ½ Health**

Plus 4 additional credits to obtain an Endorsement for a total of 26 credits
5 ENDORSEMENT OPTIONS

SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS AND COMPUTER SCIENCE
 (STEM)

*Required Courses: Foundation courses, Additional Math (minimum Algebra II), Chemistry, Physics, and one Endorsement option**

BUSINESS & INDUSTRY

Agriculture Science, Arts Audio/Video Technology & Communications, Business & Finance, Hospitality & Tourism, Marketing, and English

*Required courses: Foundation courses, Additional Math (minimum Algebra II), an additional Science, and one Endorsement option**

PUBLIC SERVICES

Health Sciences, Education & Training, Law, Public Safety, Correction & Security

*Required courses: Foundation courses, Additional Math (minimum Algebra II), an additional Science, and one Endorsement option**

ARTS & HUMANITIES

Social Studies, Languages other than English and Fine Arts

*Required courses: Foundation courses, Additional Math (minimum Algebra II), an additional Science, and one Endorsement option**

MULTI-DISCIPLINARY STUDIES

Advanced courses from one or among Endorsement areas, four credits in each of the four core subject areas, four credits in advanced placement or dual credit

*Required courses: Foundation courses, Additional Math (minimum Algebra II), an additional Science, and one Endorsement option**

DISTINGUISHED LEVEL OF ACHIEVEMENT

A student may earn a Distinguished Level of Achievement by successfully completing the curriculum requirements for the Foundation High School Program and the curriculum requirements for at least one endorsement, including four credits in Science and four credits in Mathematics to include Algebra II

PERFORMANCE ACKNOWLEDGEMENT

A student may earn a Performance Acknowledgement for outstanding performance in Dual Credit courses, in bilingualism and bi-literacy, on a College Board AP test, on PSAT, the ACT-Plan, the SAT or the ACT. A student may also earn a Performance Acknowledgement for earning a nationally or internationally recognized business or industry certification or license.

TEXAS HIGH SCHOOL GRADUATION ENDORSEMENT REQUIREMENTS

ENDORSEMENTS	CURRICULUM REQUIREMENTS (Plan Options)
<p style="text-align: center;">Science, Technology, Engineering & Mathematics (STEM)</p> <p style="text-align: center;">Science Technology Engineering Mathematics Computer Science</p> <p><i>Required Courses: Foundation courses, Additional Math (minimum Algebra II), Chemistry, Physics, and one Endorsement option from the list on the right</i></p>	<p>Students must complete Algebra II, Chemistry, Physics, and <u>ONE</u> of the following options for the STEM Endorsement:</p> <ol style="list-style-type: none"> 1. A coherent sequence of four or more credits in Career and Technical Education (CTE) that consists of at least two courses in the same career cluster, including at least one being an advanced CTE course. The final course must be selected from CTE STEM courses; or 2. A coherent sequence of four credits in Computer Science; or 3. Three credits in Mathematics by successfully completing Algebra II and two additional Mathematics courses for which Algebra II is a prerequisite; or 4. Four credits in Science by successfully completing Chemistry, Physics and two additional Science courses. 5. In addition to Algebra II, Chemistry, and Physics completing a coherent sequence of 3 additional credits from no more than 2 of the options (1 – 4) listed above. <p>Students must complete <u>ONE</u> of the following options for the Business & Industry Endorsement:</p> <ol style="list-style-type: none"> 1. A coherent sequence of courses for four or more credits in CTE that consists of at least two courses, at least one being advanced, in the same career cluster from the choices listed below: <ol style="list-style-type: none"> a. Agriculture, Food & Natural Resources; or b. Arts, Audio/Video Technology, and Communications; or c. Business and Finance; or d. Hospitality and Tourism; or e. Marketing 2. Four English elective credits to include three levels in one of the following areas: <ol style="list-style-type: none"> a. Advanced Broadcast Journalism; or b. Advanced Journalism Newspaper; or c. Debate; or d. Advanced Journalism Yearbook
<p style="text-align: center;">Business & Industry</p> <p style="text-align: center;">Agriculture Science Arts, Audio/Video Technology & Communications Business & Finance Hospitality and Tourism Marketing English</p> <p><i>Required courses: Foundation courses, Additional Math (minimum Algebra II), an additional Science, and one Endorsement option from the list on the right</i></p>	<p>Students must complete <u>ONE</u> of the following options for the Business & Industry Endorsement:</p> <ol style="list-style-type: none"> 1. A coherent sequence of courses for four or more credits in CTE that consists of at least two courses, at least one being advanced, in the same career cluster from the choices listed below: <ol style="list-style-type: none"> a. Agriculture, Food & Natural Resources; or b. Arts, Audio/Video Technology, and Communications; or c. Business and Finance; or d. Hospitality and Tourism; or e. Marketing 2. Four English elective credits to include three levels in one of the following areas: <ol style="list-style-type: none"> a. Advanced Broadcast Journalism; or b. Advanced Journalism Newspaper; or c. Debate; or d. Advanced Journalism Yearbook

<p style="text-align: center;">Public Services</p> <p style="text-align: center;">Health Sciences</p> <p style="text-align: center;">Education & Training</p> <p style="text-align: center;">Law, Public Safety and Correction & Security</p> <p style="text-align: center;"><i>Required courses: Foundation courses, Additional Math (minimum Algebra II), an additional Science, and one Endorsement option from the list on the right</i></p>	<p style="text-align: center;">Students must complete <u>ONE</u> of the following options for the Public Service Endorsement:</p> <p>1. A coherent sequence of courses for four or more credits in CTE that consists of at least two courses in the same career cluster, and at least one being an advanced CTE course, from the choices listed below:</p> <ul style="list-style-type: none"> a. Education & Training; or b. Health Science; or c. Law, Public Safety and Correction & Security
<p style="text-align: center;">Arts & Humanities</p> <p style="text-align: center;">Social Studies</p> <p style="text-align: center;">Languages Other Than English</p> <p style="text-align: center;">Fine Arts</p> <p style="text-align: center;"><i>Required courses: Foundation courses, Additional Math (minimum Algebra II), an additional Science, and one Endorsement option from the list on the right</i></p>	<p style="text-align: center;">Students must complete <u>ONE</u> of the following options for the Arts & Humanities Endorsement:</p> <ul style="list-style-type: none"> 1. Five Social Studies credits; or 2. Four levels of the same language in a language other than English; or 3. Two levels of the same language other than English and two levels of a different language in a language other than English; or 4. A coherent sequence of four credits by selecting courses from one or two categories in fine arts (Art, Dance, Choir, Band, Theatre, Technical Theatre).
<p style="text-align: center;">Multidisciplinary Studies</p> <p style="text-align: center;">Advanced courses from one or among</p> <p style="text-align: center;">Endorsement areas, four credits in each of the</p> <p style="text-align: center;">four core subject areas, four credits in</p> <p style="text-align: center;">advanced placement or dual credit</p> <p style="text-align: center;"><i>Required courses: Foundation courses, Additional Math (minimum Algebra II), an additional Science, and one Endorsement option from the list on the right</i></p>	<p style="text-align: center;">Students must complete <u>ONE</u> of the following options for the Multidisciplinary Studies Endorsement:</p> <ul style="list-style-type: none"> 1. Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence; or 2. Four credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics; or 3. Four credits in advanced placement or dual credit selected from English, Mathematics, Science, Social Studies, Economics, languages other than English, or Fine Arts.

Pathways

Endorsement	Cluster Level	Course Number	Course Name
BUSINESS & INDUSTRY	Agricultural Science	Agriculture Pathway	
		5100	Principles of Agriculture, Food & Natural Resources
		5190	Small Animal Management
		5175	Floral Design
		5185	Livestock Production
		5315	Equine Science
		5165	Wildlife, Fisheries & Ecology Management
		5195	Horticulture
		5105	Veterinary Medical Application
		5150	Practicum in Veterinary Medical Applications
	5155	Advanced Animal Science	
	5180	Advanced Floral Design	
	Audio/Video Technology	A/V Production Production Pathway	
		7105	Film Appreciation - Principles of Arts, A/V Technology & Communications
		7108	Audio/Video Production I
		7100	Audio/Video Production II (MCSI)
		7125	Practicum in Audio/Video Production (MCS II)
		7150	Practicum in Audio/Video Production II (MCS III)
		Graphic Design Pathway	
		7105	Film Appreciation - Principles of Arts, A/V Technology & Communication
		7165	Graphic Design & Illustration I
		7170	Graphic Design & Illustration II
	7180	Practicum in Graphic Design	
	Business and Finance	Business Pathway	
		5000	Principles of Business, Marketing, & Finance
		5037	Microsoft Office Certification (MOS)
		5040	Entrepreneurship/Be Your Own Boss
		5067	Business Law
		5010	Business Internship
		Finance Pathway	
		5000	Principles of Business, Marketing, & Finance
		5020	Money Matters - Financial Literacy
		5070	Stock Market 101
		5050	Accounting I
		5053	Accounting II
		5010	Business Internship
		Hospitality	Hospitality Pathway
	5338		Introduction to Culinary Arts
	5340		Culinary Arts
	5350		Practicum in Culinary Arts I
	5353		Practicum in Culinary Arts II
	5335	Food Science	
	Marketing	Marketing Pathway	
		5000	Principles of Business, Marketing, & Finance
		5480	Social Media Marketing
		5465	Sports and Entertainment Marketing
		5040	Entrepreneurship/Be Your Own Boss
5510		Practicum in Marketing I	
5545	Practicum in Marketing II		

7220 Professional Communication may be a part of any CTE pathway.

Pathways

Endorsement	Cluster Level	Course Number	Course Name
PUBLIC SERVICE	Education & Training	Education & Training Pathway	
		5360	Principles of Education and Training
		5370	Child Development
		5380	Ready, Set Teach I
		5385	Ready, Set Teach II
	Health Science	Health Science Pathway	
		4845	Medical Terminology
		5430	Principles of Health Science
		5425W	Human Body Systems (Weighted Course)
		5450	Health Science Theory / Clinical
		5415W	Medical Interventions (Weighted Course)
		5435	Practicum in Health Science
		PLTW* Biomedical Science Pathway	
		5410W	Principles of Biomedical Science (Weighted Course)
		5425W	Human Body Systems (Weighted Course)
	5415W	Medical Interventions (Weighted Course)	
	Law, Public Safety, Corrections	5440W	Biomedical Innovation (Weighted Course)
		Law, Public Safety, Corrections & Security Pathway	
		5700	Principles of Law, Public Safety, Corrections & Security
		5705	Criminal Justice - Law Enforcement
		5715	Court Systems and Practices
		5067	Business Law
5740		Practicum in Law, Public Safety, Corrections & Security	
4140	Forensic Science		

* PLTW - Project Lead the Way

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Pathways				
Endorsement	Cluster Level	Course Number	Course Name	
SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)	Computer Science Science	Computer Science Pathway		
		0500	Computer Science Programming	
		0530	Pre AP Computer Science Programming	
		0505	AP Computer Science Principles	
		0510	AP Computer Science	
		0515	Networking	
		0610	Independent Study in Evolving/Emerging Technologies In Computer Science	
		0615	Principles of Cybersecurity	
		5203	Digital Foren Sics	
		0630	ISM in Computer Science I	
		0640	ISM in Computer Science II	
		Engineering (Project Lead the Way)	PLTW Engineering Pathway	
			5270W	Introduction to Engineering Design (Weighted Course)
	5280W		Civil Engineering & Architecture (Weighted Course)	
	4900W		Engineering Science (Weighted Course)	
	5290W		Aerospace Engineering (Weighted Course)	
	5272		Robotics I	
	3605W		Digital Electronics (Weighted Course)	
	Math	Math Pathway		
		3210	Algebra II	
		3220	Pre AP Algebra II	
		3220	Advanced Algebra	
		3410	Pre-Calculus	
		3420	Pre AP Pre-Calculus II	
		3450	AP Statistics	
		3430	AP Cal AB	
		3460	AP Cal BC	
		0510	AP Computer Science	
		3400	College Algebra	
		3405	Math for Bus/Soc Science	
		3605W	Digital Electronics (Weighted Course, PLTW)	
	Science	Science Pathway		
		4310	Chemistry	
4320		Pre AP Chemistry		
4330		AP Chemistry		
4540		Physics		
4550		AP Physics I		
4730		AP Physics II		
4640		Earth & Space		
4630		AP Biology		
4130		AP Environmental Science		
5425		Human Body Systems (Weighted Course, PLTW)		
0030		ISM I		
0035		ISM II		
0038		ISM III		
4900W		Engineering Science (Weighted Course, PLTW)		
5415W		Medical Interventions (Weighted Course, PLTW)		
5155		Advanced Animal Science		
5335	Food Science			
4650	Technological Principles			
4140	Forensic Science			

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* PTLW - Project Lead The Way

Blue Shading = Non CTE Course

Pathways

Endorsement	Cluster Level	Course Number	Course Name
ARTS & HUMANITIES		7501-7504	Art I-IV
		7515, 7520, 7530	AP Art
		7401, 7402	Theater Arts I-II
		7418, 7438	Theatre Art III-IV
		7440, 7450	Tech Theatre I-II
		7460, 7470	Tech Theatre III-IV
		7618, 7628	Journalism I-II
		7638, 7648	Journalism III-IV
		7616,7617,7615	Annual/Com Phot I, II and Annual III
		7358, 7362, 7364	Theater Production II-IV
		73181 - 73184	Women's Choir
		73201 - 73204	Men's Choir
		73301 - 73304	Campus Singers
		73501 - 73504	Treble Choir
		73351 - 73354	Vocal Ensemble
		7052	Applied Music
		70081 - 70084	Concert Band I
		70181 - 70184	Concert Band II
		70201 - 70204	Concert Band III
		70601 - 70604	Jazz Band
		70781 - 70784	Percussion
		70001 - 70004	Wind Ensemble
		70281 - 70284	Symphonic
		90101 - 90104	Dance
		7340	AP Music Theory
		90171 - 90174	Advanced Dance
		90751 - 90754	Dance Wellness
		90182 - 90184	Drill Team I
		90503 - 90504	Drill Team II
		90704	Drill Team III
		90801 - 90804	Dance Productions
		6101 - 6103	French I - III
		6107	Pre AP French II
		6108	Pre AP French III
		6104	Pre AP French IV
		6105	AP French V
		6001 - 6003	German I - III
		6007	Pre AP German II
		6008	Pre AP German III
		6004	Pre AP German IV
		6005	AP German V
		6301 - 6302	Latin I - II
		6307	Pre AP Latin II
		6303	Pre AP Latin III
		6304	AP Latin IV
		6305	AP Latin V
		6201 - 6203	Spanish I - II
		6207	Pre AP Spanish II
		6208	Pre AP Spanish III
		6209	AP Spanish IV
2325	AP World History		
2310	World History		
2130	AP US History		
2250	AP European History		
2340	Personal Financial Literacy		
2435	AP Government		
2430	AP Economics		
2200W	Dual Credit US History		
2442AW, 2442PW	Dual Credit Government 2305		
2444AW, 2444PW	Dual Credit Government 2306		
2450AW, 2450PW	Dual Credit Economics		
0076AW, 0076PW	Dual Credit Psychology		
0086AW, 0086PW	Dual Credit Sociology		
2500	Modern Problems & Solutions I (name		
2510	Modern Problems & Solutions II		

Blue Shading = Non CTE Course