

Inspiring minds.
Shaping lives.



Spring
Branch

Independent School District

HB 5 Foundation with Endorsements Graduation Plan

Focus

“The focus of HB 5 is to make sure every student graduates prepared for college and a career by creating flexibility for students to pursue their passion.”

Lieutenant Governor Dan Patrick

Endorsements

- ★ **Arts and Humanities**
- ★ **Business and Industry**
- ★ **Public Service**
- ★ **STEM**
- ★ **Multidisciplinary**

Pathways

- ★ **Pathways are specialized courses that help a student discover their interests.**
- ★ **Pathways help a student design a course of study that will prepare the student for future study at a university, community college, or certification program.**

Pathways

- ★ **At SHS with the help of the Guthrie Center, we can offer 70 Pathways for a student to pursue.**
- ★ **Each pathway has required courses as well as advanced course needed to complete the specifications.**

Foundation Plan with Endorsements Requirements

If we are to meet the college entry requirements, a student must have:

- ★ **ELA – 4 credits**
- ★ **Math – 4 credits**
 - ◆ **Algebra II must be taken**
- ★ **Social Studies – 4 credits**
- ★ **Science – 4 credits**

Foundation Plan with Endorsements Requirements (cont.)

- ★ **Foreign Language – 2 credits**
- ★ **Fine Art – 1 credit**
- ★ **Physical Education – 1 credit**
- ★ **6 other credits (CTE, LOTE, Core,
etc.)**
- ★ **Total – 26 Credits**

Requirements

- ★ **Every student must declare an endorsement before entering the 9th grade and can change it no later than the beginning of the 11th grade.**
- ★ **Every students must declare a pathway to specialize their elective choices.**

Pathways

- ★ **If a student chooses a CTE (Career and Technology Education) pathway, the student must take a minimum of 4 CTE credits.**
- ★ **2 of the credits must be the required CTE cluster elective**
- ★ **1 of the credits must be the required advanced CTE cluster elective.**

Pathways

- ★ **If a student changes their pathway, counselors will work with the student on an option that generally will lead them to a combination option (multidisciplinary) within their chosen endorsement so we can graduate a student on time.**

Business and Industry Endorsement

- ★ **Allows students to earn credits in a specific advanced courses from a content area**
- ★ **Sufficient to complete Distinguished Level under the Foundation High School Plan**

Business and Industry Endorsement

Option A: CTE Agriculture, Food & Natural Resources	Option A: CTE Agriculture, Food & Natural Resources	Option A: CTE Agriculture, Food & Natural Resources	Option A: CTE Architecture and Construction	Option A: CTE Arts, Audio/Visual Technology and Communication
4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course	4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course	4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course	4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course.	4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course
Animal Science Pathway	Horticulture & Plant Science Pathway	Oil and Gas Pathway	Architectural Design Pathway	3D Animation Pathway

Business and Industry Endorsement

Option A: CTE Arts, Audio/Visual Technology and Communication	Option A: CTE Arts, Audio/Visual Technology and Communication	Option A: CTE Arts, Audio/Visual Technology and Communication	Option A: CTE Arts, Audio/Visual Technology and Communication	Option A: CTE Finance
<p style="text-align: center;">4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course</p>	<p style="text-align: center;">4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course</p>	<p style="text-align: center;">4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course</p>	<p style="text-align: center;">4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course.</p>	<p style="text-align: center;">4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course</p>
<p style="text-align: center;">Film and Video Pathway</p>	<p style="text-align: center;">Commercial Photography Pathway</p>	<p style="text-align: center;">Graphics Design Pathway</p>	<p style="text-align: center;">Fashion Design Pathway</p>	<p style="text-align: center;">Accounting Pathway Option 1</p>

Business and Industry Endorsement

Option A: CTE Finance	Option A: CTE Finance	Option A: CTE Finance	Option A: CTE Business Management and Administration	Option A: CTE Business Management and Administration
<p style="text-align: center;">4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course</p>	<p style="text-align: center;">4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course</p>	<p style="text-align: center;">4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course</p>	<p style="text-align: center;">4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course.</p>	<p style="text-align: center;">4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course</p>
<p style="text-align: center;">Accounting Pathway Option 2</p>	<p style="text-align: center;">Academy of Finance Pathway Option1</p>	<p style="text-align: center;">Academy of Finance Pathway Option 2</p>	<p style="text-align: center;">Retail Management Pathway</p>	<p style="text-align: center;">International Business Law Pathway</p>

Business and Industry Endorsement

Option A: CTE Business Management and Administration	Option A: CTE Hospitality	Option A: CTE Hospitality	Option A: CTE Hospitality	Option A: CTE Information Technology
4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course	4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course	4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course	4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course.	4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course
Business Administration Pathway	Culinary Management Pathway	Culinary Arts Pathway	Baking and Pastry Pathway	Computer Networking Pathway

Business and Industry Endorsement

Option A: CTE Information Technology	Option A: CTE Information Technology	Option B: English	Option B: English	Option B: English
<p>4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course</p>	<p>4 or more credits in CTE courses with 2 credits in same Cluster including at least one advanced CTE course</p>	<p><i>4 Language Arts Elective with 3 in the Same Area (should include English IV)</i></p>	<p><i>4 Language Arts Elective with 3 in the Same Area (should include English IV)</i></p>	<p><i>4 Language Arts Elective with 3 in the Same Area (should include English IV)</i></p>
<p>Computer Repair Pathway</p>	<p>Geo Tech Pathway</p>	<p>Debate Pathway</p>	<p>Newspaper Journalism Pathway</p>	<p>Debate Pathway</p>

Business and Industry Endorsement

Option B: English	Option B: English	Option C: Tech Applications	Option D: Business and Industry Combo
<p><i>4 Language Arts Elective with 3 in the Same Area (should include English IV)</i></p>	<p><i>4 Language Arts Elective with 3 in the Same Area (should include English IV)</i></p>	<p>4 Technology Applications Credits.</p>	<p><i>Business and Industry Courses</i></p>
<p>Yearbook Journalism Pathway</p>	<p>Broadcast Journalism Pathway</p>	<p>Technology Applications Pathway</p>	<p>Multidisciplinary Pathway</p>

<p>Option A: CTE Agriculture, Food & Natural Resources</p>
<p>4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course</p>
<p>Animal Science Pathway</p>
<p style="text-align: center;">Required Courses</p> <ul style="list-style-type: none"> • Small Animal Management • Veterinary Medical Applications • Advanced Animal Science
<p style="text-align: center;">Required Advanced Courses</p> <ul style="list-style-type: none"> • Practicum in Agriculture, Food & Natural Resources or Internship With Veterinarian
<p style="text-align: center;">Optional Related Courses</p> <ul style="list-style-type: none"> • Principles of Agriculture, Food and Natural Resources • Wildlife Fisheries and Ecology Management • Livestock Production • Equine Science • Agricultural Mechanics

<p>Option A: CTE Agriculture, Food & Natural Resources</p>
<p>4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course</p>
<p>Horticulture and Plant Science Pathway</p>
<p>Required Courses</p> <ul style="list-style-type: none">• Horticultural Production and Landscape Design• Advanced Plant Soil Science
<p>Required Advanced Courses</p> <ul style="list-style-type: none">• Practicum in Agriculture, Food & Natural Resources or Internship-Greenhouse Road
<p>Optional Related Courses</p> <ul style="list-style-type: none">• Principles of Agriculture, Food and Natural Resources• Floral Design• Agricultural Mechanics



Option A: CTE
Agriculture, Food & Natural Resources

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Oil and Gas Pathway

- Required Courses**
- **Oil and Gas Production I**
 - **Oil and Gas Production II**

- Required Advanced Courses**
- **Practicum with Energy Company or Internship**

- Optional Related Courses**
- **Business Information Management**



Option A: CTE Architecture and Construction
4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course
Architectural Design Pathway
Required Courses <ul style="list-style-type: none">• Architectural Design I• Architectural Design II
Required Advanced Courses <ul style="list-style-type: none">• Architectural Design III Practicum or Internship



Option A: CTE
Arts, Audio/Visual Technology and Communication

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

3D Animation Pathway

- Required Courses**
- **3D Animation I**
 - **3D Animation II**

- Required Advanced Courses**
- **3D Animation III Practicum I**

- Optional Additional Advanced Courses**
- **3D Animation IV Practicum 2 or Internship**



Option A: CTE

Arts, Audio/Visual Technology and Communication

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Film and Video Pathway

Required Courses

- **Film and Video Production I**
- **Film and Video Production II**

Required Advanced Courses

- **Film and Video Production Practicum or Film and Video Internship**

Optional Related Courses

- **Any Art Course**
- **Digital Art and Animation**



Option A: CTE

Arts, Audio/Visual Technology and Communication

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Commercial Photography Pathway

Required Courses

- **Commercial Photography I**
- **Commercial Photography II**

Required Advanced Courses

- **Commercial Photography Practicum or Commercial Photography Internship**

Optional Related Courses

- **Any Art Course**
- **Digital Art and Animation**



Option A: CTE

Arts, Audio/Visual Technology and Communication

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Graphics Design Pathway

Required Courses

- **Graphics Design I**
- **Graphics Design II**

Required Advanced Courses

- **Graphics Design Practicum or Graphics Design Internship**

Optional Related Courses

- **Any Art Course**
- **Digital Art and Animation**



Option A: CTE Arts, Audio/Visual Technology and Communication
4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course
Fashion Design Pathway
Required Courses <ul style="list-style-type: none">• Fashion Design I• Fashion Design II
Required Advanced Courses <ul style="list-style-type: none">• Fashion Design Practicum or Fashion Design Internship
Optional Related Courses <ul style="list-style-type: none">• Any Art Course• Digital Art and Animation



Option A: CTE Finance
4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course
Accounting Pathway Option 1
Technical Certification: QuickBooks
Required Courses <ul style="list-style-type: none">• Banking and Financial Services• Principles of Business and Finance• Money Matters• Accounting I
Required Advanced Courses <ul style="list-style-type: none">• Accounting II

Option A: CTE Finance
4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course
Accounting Pathway Option 2
Required Courses <ul style="list-style-type: none">• Accounting I• Accounting II
Required Advanced Courses <ul style="list-style-type: none">• Practicum in Business or Internship Career Prep
Optional Related Courses <ul style="list-style-type: none">• Global Business• Money Matters• Business Law

Option A: CTE Finance

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Academy of Finance Pathway Option 1

Required Courses

- **Money Matters**
- **Business Information Management I**

Required Advanced Courses

- **Accounting I**

Plus 1 Credit from this list of Required Courses

- **Principles of Business, Marketing, and Finance**
- **Banking and Financial Services**



Option A: CTE Finance

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Academy of Finance Pathway Option 2

Required Courses

- **Money Matters**
- **Business Information Management I**
- **Accounting i**

Required Advanced Courses

- **Accounting II**

Plus 1 Credit from this list of Required Courses

- **Principles of Business, Marketing, and Finance**
- **Banking and Financial Services**

Option A: CTE

Business Management and Administration

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Retail Management Pathway

Required Courses

- **Principles of Business, Marketing, and Finance**
- **Sports Marketing**
- **Retailing and E-Tailing**

Required Advanced Courses

- **Practicum in Marketing**

Optional Related Courses

- **Business Information Management I**
- **Global Business**
- **Business Law**

Option A: CTE

Business Management and Administration

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

International Business Law Pathway

Required Courses

- **Business Information Management I**
- **Global Business**
- **Business Law**

Required Advanced Courses

- **Practicum in Business or**
- **Internship Career Prep**



Option A: CTE

Business Management and Administration

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Business administration Pathway

Required Courses

- **Business Information Management I**
- **Global Business**
- **Business Law**
- **Money Matters**

Required Advanced Courses

- **Business Information Management II**



**Option A: CTE
Hospitality**

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Culinary Management Pathway

- Required Courses**
- **Restaurant Management**
 - **Culinary Arts I**
 - **Chef Training**

- Required Advanced Courses**
- **Café' Operations Practicum or**
 - **Internship**

- Optional Related Courses**
- **Principles of Hospitality and Tourism**



**Option A: CTE
Hospitality**

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Hotel Management Pathway

Required Courses

- **Hotel Management I**
- **Hotel Practicum I**

Required Advanced Courses

- **Travel and Tourism Hotel Practicum II**



Option A: CTE Hospitality
4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course
Culinary Arts Pathway
Required Courses <ul style="list-style-type: none">• Culinary Arts I• Culinary Arts II
Required Advanced Courses <ul style="list-style-type: none">• Chef Training Practicum or• Café' Operations Practicum
Optional Related Courses <ul style="list-style-type: none">• Principles of Hospitality and Tourism• Restaurant Management

Option A: CTE Hospitality
4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course
Baking and Pastry Pathway
Required Courses <ul style="list-style-type: none">• Culinary Arts I• Culinary Arts II
Required Advanced Courses <ul style="list-style-type: none">• Baking and Pastry Internship or• Café' Operations Practicum
Optional Related Courses <ul style="list-style-type: none">• Principles of Hospitality and Tourism• Restaurant Management

**Option A: CTE
Information Technology**

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Computer Networking Pathway

Required Courses

- **Cisco Networking I**
- **Cisco Networking II**

Required Advanced Courses

- **Internship Career Prep or**
- **Practicum in Information Technology**



**Option A: CTE
Information Technology**

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Computer Repair Pathway

Required Courses

- **Computer Maintenance I**
- **Computer Technician**

Required Advanced Courses

- **Internship Career Prep or**
- **Practicum in Information Technology**



**Option A: CTE
Information Technology**

4 or more credits in CTE courses with 2 credits in same STEM Cluster including at least one advanced CTE course

Geo TechPathway

Required Courses

- **Business Information Management I**
- **Geo Tech (GIS Programming)**

Required Advanced Courses

- **Internship Career Prep or**
- **Practicum in Information Technology**



Option B: English

4 Language Arts Electives with 3 in the same area
(Should include English IV)

Debate Pathway

Required Courses

- Debate I
- Debate II
- Debate III

Optional Advanced Courses

- Debate IV



Option B: English

4 Language Arts Electives with 3 in the same area
(Should include English IV)

Newspaper Journalism Pathway

Required Courses

- Journalism or Photojournalism
- Newspaper I
- Newspaper II

Optional Advanced Courses

- Newspaper III



Option B: English

4 Language Arts Electives with 3 in the same area
(Should include English IV)

Yearbook Journalism Pathway

Required Courses

- Journalism or Photojournalism
- Yearbook I
- Yearbook II

Optional Advanced Courses

- Yearbook III



Option B: English

4 Language Arts Electives with 3 in the same area
(Should include English IV)

Broadcast Journalism Pathway

Required Courses

- Journalism or Photojournalism
- Broadcast Journalism I
- Broadcast Journalism II

Optional Advanced Courses

- Broadcast Journalism III



Option C: Tech Applications

4 Technology Application Credits

Technology Applications Pathway

Choice of 4 Required Courses

- **Digital Design and Media Production**
- **Digital Art and Animation**
- **3-D Modeling and Animation**
- **Web Design**
- **Web Game Development**
- **Independent study in Evolving/Emerging Technologies**



Option D: Business and Industry Combo

4 Business and Industry Credits

Multidisciplinary Pathway

Required Courses
4 Credits of a Coherent Sequences
from any of
Option A: CTE,
Option B: English,
or
Option C: Tech Applications

