

FOUNDATION
HIGH SCHOOL
PROGRAM +
ENDORSEMENT

HIGH SCHOOL 4-YEAR PLAN

2021-2022

GENERAL INFORMATION

Endorsements help create a personalized learning plan in line with a student's career interests and goals

- Students and parents required to select (in writing) an endorsement area and create a 4-Year Plan
- **There will be opportunities to review and/or modify the plan each year**
- **Schedule changes for the next school year must be made before the end of the CURRENT school year**
- Students may earn more than one endorsement



NOTE: Students must graduate with the Distinguished Level of Achievement in order to be eligible for top 10% automatic admission at any Texas public university and also to be considered for the TEXAS Grant.



Graduation Requirements for the Classes of 2018 and Beyond

Students who enter the ninth grade in the fall of 2014 and thereafter must enroll in courses necessary to complete the Foundation High School Program with an endorsement. Students may also earn Distinguished Level of Achievement by including and successfully completing Algebra II in their selected coursework. Students should study the table below which outlines requirements for 22 credits for the Foundation High School Program plus the 4 additional credits required for an endorsement. Counselors at each high school will furnish details associated with endorsements and other information necessary for student to complete registration.

Course	Foundation	+Endorsement	Notes
English	4		<ul style="list-style-type: none"> English I, II and III are required with options for the 4th credit.
PACE (Personal, Academic, & Career Exploration) or PACE Plus	1/2 or 1		<ul style="list-style-type: none"> One-half credit is required in grade 9. One credit is required for 9th-grade students who did not pass all 8th grade core academic classes (language arts, reading, math, science, and social studies) and who have not met the state standards on any 8th grade STAAR assessment. The state required speech TEKS are embedded in PACE and PACE Plus.
Mathematics	3 Algebra I, Geometry, <u>and</u> an additional math course	+ 1 additional advanced math course	<ul style="list-style-type: none"> Algebra II must be taken to earn the Distinguished Level of Achievement. Note: State graduation requirements do not mandate that a student complete Algebra II to graduate under the Foundation High School Program. If a student does not complete an Algebra II course, the student will not be eligible for automatic college admission or certain financial aid including the TEXAS Grant Program and the Texas Educational Opportunity Grant Program.
Science	3 Biology and IPC, Chemistry, <u>or</u> Physics, <u>and</u> an additional science course	+1 additional advanced science course	<ul style="list-style-type: none"> Biology is required for all students.
Social Studies	3 World Geography <u>or</u> World History, U.S. History, Government (1/2) & Economic (1/2)		<ul style="list-style-type: none"> Students may substitute AP Human Geography for World Geography, but may not earn credit for both courses.
Languages other than English (Foreign Language)	2		<ul style="list-style-type: none"> Students take and earn two credits in the same language.
Health	1/2		<ul style="list-style-type: none"> Health may be taken in any grade or through correspondence, summer school, or credit-by-exam. Principles of Health Science satisfies the health requirement.
Physical Education	1		<ul style="list-style-type: none"> Students may earn a maximum of four (4) credits in PE toward graduation-including athletics. Students may meet the PE requirement through after school participation in the fall semester of marching band and cheerleading, and both semesters of drill team and AFJROTC. Students may also meet the PE requirement if they participate in a district-approved Olympic caliber, off-campus training program. PE credit may be earned through approved correspondence courses.
Fine Arts	1		<ul style="list-style-type: none"> Approved fine arts courses include art, music, dance, theatre courses and floral design. Students must take 2 sequential semesters of the same course to meet the Fine Arts credit requirement.
Electives	4	+ 2 additional electives	
Total Credits Required	22	26	

ENDORSEMENT PLAN CONSIDERATIONS

- What is your student's best academic pathway for high school taking into account:
 - Personal interests and talents
 - Career aspirations
 - Post-secondary goals
- What are the admission requirements for the College/University they wish to attend?
- Remember...the Endorsement(s) chosen will determine many of the high school elective choices



5 ENDORSEMENT AREAS

- **STEM** – Science, Technology (including Computer Science), Engineering, and advanced Math
- **Business & Industry** – Agriculture; Architecture & Construction; A/V Technology & Communications; Business, Marketing & Finance; Hospitality & Tourism; Information Technology, Manufacturing; Transportation, Distribution & Logistics
- **Public Services** – Education & Child Guidance; Health Science; Human Services (Cosmetology); AFJROTC
- **Arts and Humanities** – Social Studies; Languages Other than English (LOTE); Fine Arts (Art, Dance, Music, & Theatre)
- **Multidisciplinary Studies** – Four by Four (4 x 4); AP/DC
(Provides students the opportunity to take a variety of courses from each of the other four endorsement areas)

Endorsements &



Programs of Study



Programs of Study are a coherent sequence of courses, industry-based certifications, & work-based learning designed to ensure students are prepared for in-demand, high-skill, high-wage careers.

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

Programs of Study

STEM Endorsement

STEM 1 PROGRAMMING & SOFTWARE DEV	STEM 2 ROBOTICS	STEM 3 ENGINEERING	STEM 4 STEM ACADEMY FOR ARC <small>(HOUSED AT CYPRESS SPRINGS APPLICATION REQUIRED)</small>
9th Grade Computer Science Principles AP (1) or Computer Science I K (1)	9th Grade Principles of Applied Engineering (1)	9th Grade Principles of Applied Engineering (1)	9th Grade Computer Science I K (1-LOTE) Manufacturing Engineer Tech I K (1)
10th Grade Computer Science Principles AP (1) or Computer Science I K (1) or Computer Science II K (1)	10th Grade Robotics I (1)	10th Grade Engineering Design & Presentation I (1)	10th Grade Computer Science II K (1-LOTE) Digital Electronics K (1-math)
11th Grade Computer Science Principles AP (1) or Computer Science II K (1) or *Computer Science III K (1)	11th Grade *Robotics II K (1-math)	11th Grade *Engineering Design & Presentation II (2)	11th Grade *Computer Science III (1) *Engineering Math K (1-math)
12th Grade *Computer Science III K (1) or *Project-based Computer Science: Mobile App Development K (1)	12th Grade *Practicum in Manufacturing (2)	12th Grade *Eng Design & Problem Solving K (1-science) or *Practicum in STEM (2)	12th Grade *Project-based Computer Science: Robotics Programming K (1) *Scientific Research & Design I K (1-science)
Certifications **MTA Intro to Java Programming **Oracle Java SE Programming	Certifications **FANUC Robot Operator 1	Certifications **Autodesk Inventor	Certifications **Certified SolidWorks Associate **MTA Intro to Java Programming **Oracle Java SE Programming
Careers Computer Network Architect (\$111K) Software Developer (\$103K)	Careers Electro-Mechanical Assembler (\$30K) Electro-Mechanical Technician (\$57K) Industrial Machinery Mechanic(\$50K)	Careers Industrial Engineer (\$97K) Mechanical Engineer (\$92K) Chemical Engineer (\$112K) Electrical Engineer (\$98K)	Careers Mechanical/Electrical Engineer(\$95K) Hardware Engineer (\$99K) CAD Drafter (\$46K) Software Engineer (\$100K) Computer Programmer (\$75K)

Choosing an *Endorsement* & *Program of Study* may seem overwhelming...



Remember that this is a plan - there will be an opportunity to make changes in high school!

Explore career options in *Xello*

Mycfisd.net/Additional Resources/Xello SSO Student Access

Xello Dashboard

Explore Options

Explore Careers

Click on *More Filters/Career Clusters or School Subjects*

EXPLORE CAREERS

Minimum Salary: \$0 to \$25,000+

Education: High School 2-Year College or Technical Training 4-Year College

Career Demand: High Increasing Stable Declining

Career Clusters:

- Architecture & Construction
- Education & Training
- Human Services
- Manufacturing
- Agriculture, Food & Natural Resources
- Hospitality & Tourism
- Arts, AV Technology & Communications
- Information Technology
- Science, Technology, Engineering & Math
- Business, Marketing & Finance
- Law & Public Service

586 Careers

*Check out the **CFISD CTE videos** to learn more about some of the programs available here in our district*

https://www.youtube.com/results?search_query=cfisd+cte



CFISD CTE Overview

15 views • 1 month ago

 CFISD CTE

Nearly 70 industry certifications, 130-plus courses and priceless real-life experience awaits students in CFISD's career and ...