

**Foundation High School Program + Endorsement
&
High School 4-Year Plan**



8th Grade Guidance Program 2024-2025



Student Name _____

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&
High School 4-Year Plan
2024-2025**

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Parents log-in: HAC

Resources provided on the district website – www.cfishd.net

- **Programs of Study**
 - Academics
 - Career & Technical Education
 - Programs of Study
- **Course Description Guides**
 - Academics
 - Curriculum & Course Descriptions
- **8th Grade Guidance Booklet**
 - Parents & Students
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Foundation High School Program + Endorsement

General Information

- This graduation plan provides choice, flexibility, and options!
- **Endorsements** help create a personalized learning plan in line with a student's career interests and goals. There are **5 Endorsement Areas** (see chart on p. 11-12 – *Cypress-Fairbanks ISD – The Endorsements*):
1-STEM 2-Business & Industry 3-Public Services 4-Arts & Humanities 5- Multidisciplinary Studies
- The Texas Education Agency (TEA) has designed **Programs of Study** for the Career & Technical Education (CTE) course areas in the STEM, Business & Industry, and Public Services endorsements.
 - These are course sequences that prepare students with the knowledge and skills necessary for success in their chosen career and lead to postsecondary education and training opportunities.
 - These sequences embed relevant, real world experiences and culminate in a postsecondary credential.
 - Programs of Study support the completion of an endorsement.
- Students and parents are required to select (*in writing*) an Endorsement area and create a 4-Year Plan.
- Opportunities to review and/or modify your plan will be available each year.
 - **Parent permission & counselor conference required for Endorsement changes.**
 - Schedule changes for the next school year must be made before the end of the current school year; schedules will **not** be adjusted during the school year. (See p. 4 – “Course Selection & Request for Changes”)
- Students may earn more than one endorsement.
- **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.**
- **Completing a free application for federal student aid (FAFSA) is a graduation requirement.** FAFSA and/or TAFSA must be completed before a student can receive a high school diploma. A parent or legal guardian may provide written notice to opt out their child.

When considering which endorsement(s) is best for you/your student, ask:

- What are my/your personal interests and talents? Career aspirations/Post-secondary goals?
- What are the admission requirements for the College/University I/you wish to attend?
- **Remember...the Endorsement you choose will determine many of your high school elective choices!**

Students may earn a Performance Acknowledgement for outstanding performance in the areas of:

- Dual Credit (at least 12 hours of college credit with a grade of A or B or earn an Associate Degree)
- Bilingual/Bi-literacy (complete 3 credits in the same or any foreign language with a grade of 80+)
- College Board Advanced Placement (AP) exams (earn a score of 3 or above on an AP exam)
- PSAT, SAT, or ACT Performance
- Nationally or Internationally Recognized Business or Industry Certification or License

General Information – High School course levels

- **On-level** (the course title without a letter after it; *Example: Algebra I*) - Choose this level if you are currently in an on-level class. If you have an 85 or above average in that class, you will receive a letter in late spring and will have the opportunity to modify your plan and choose K-level **at that time**
- **K (Accelerated level)**: Choose this level only if you are currently in a K-level class of that content area **and** you have a 75 or above average in the class
- **H (Horizons)**: Choose “H” only if you are currently in Horizons classes
- **AP (Advanced Placement)**: earn possible college credit by taking AP exam in the spring
- **DC (Dual Credit)**: earn both high school credit and college credit for specific high school courses; specific entry requirements must be met before enrolling in a dual credit course

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		
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. • <i>The state required speech TEKS are embedded in PACE and PACE Plus.</i>
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. <p>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.</p>
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) & Economics (1/2)		<ul style="list-style-type: none"> • Students may substitute AP Human Geography for World Geography. • Students <u>may not</u> substitute the Personal Financial Literacy Elective for Personal Financial Literacy Plus Economics.
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. • CPR - The State required instruction in cardiopulmonary resuscitation (CPR) is instructed in Health.

Graduation Requirements for the Classes of 2018 and Beyond

Course	Foundation	+Endorsement	Notes
Physical Education	1		<ul style="list-style-type: none"> • Beginning in the fall of 2022, students may earn a maximum of two (2) credits in PE toward graduation. • 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. Students may also meet the PE requirement if they participate in a district-approved Olympic caliber off-campus training program, athletics or AFROTC. • Students may earn up to four (4) credits of PE through off-campus PE, athletics or AFROTC. • 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	

Financial Aid Application for High School Graduation

Completing a free application for federal student aid (FAFSA) is a graduation requirement. FAFSA and/or TAFSA must be completed before a student can receive a high school diploma. A parent or legal guardian may provide written notice to opt out their child. Students who are at least 18 years old may opt themselves out of the requirement.

Course Offerings

This publication lists the high school course offerings with grade placement, credit(s), prerequisites, and some brief information on each course. It serves as an overview of students' requirements for graduation including course descriptions. This bulletin also outlines procedures for changing courses and possible consequences of changes.

Career and Technical skills preparation courses are offered to junior and senior students who are at least 16 years old. These courses are two to three hours daily with all or part of the instruction given on campus. Students participating in courses which involve off-campus instruction (practicums) must provide their own transportation.

Special Education

Students experiencing difficulties in school may be referred for services in special education. Before a student can receive special education and/or related services for the first time, an initial evaluation must be conducted. Decisions regarding the provision of special education services are made by an Individual Education Plan (IEP) committee. If a student is determined to be eligible for services in accordance with the Texas Education Agency guidelines, an individualized education plan is developed. Instruction that is designed to meet a student's unique educational needs may be provided in a variety of settings. Instructional settings may include (a) general education classroom with accommodations, (b) general education classroom with support, (c) resource classroom, (d) self-contained classroom, or (e) a separate campus. Related services necessary for the student to benefit from special education may also be provided.

Grade Classification Standards

Class of 2015 and Beyond

Grade	Criteria for Students Entering 9th Grade Beginning 2011-12
9th	Promotion from middle school
10th	1 year of attendance and 5 credits, including English I and Algebra I
11th	2 years of attendance and 11 credits
12th	3 years of attendance and 17 credits or early graduation plan

Course Selection and Request for Changes

Students will select courses for the next school year during the spring semester. A decision of this nature should be considered with parental aid. Factors to be considered in selecting courses are the

- requirements for graduation;
- significance of the course to the student's overall program and educational/career goals;
- purpose of the course; or
- possible prerequisite(s) for other courses.

All requests for changes must be submitted in writing by the last day of April.

The following guidelines will be used in honoring changes/requests made after that date.

1. Changes will be made during the first two weeks of a semester for the following reasons. The student
 - does not meet prerequisite(s) for the course;
 - does not meet grade placement requirement of the course;
 - already has credit in the course;
 - is placed in an inappropriate level; or
 - has not met requirement for K-level, AP, or HORIZONS placement.
2. After consultation with the teacher, students may withdraw from band, dance, JROTC, or athletics at any time, but in each case, they will be assigned to a regular physical education class.
3. No course changes are allowed after the second week of each semester.

Note: Schedule changes after the second week of either semester will be according to district policy (i.e. they are primarily AP to K-level or K-to L-level changes). No other course changes are allowed; course changes may raise eligibility issues.

Class Ranking

Beginning with courses taken between the eighth and ninth grade, all high school courses, including correspondence, night school, college courses taken for dual credit, credit-by-exam, and summer school, are averaged in the class rank with the exception of student assistant, local credit, and courses taken under the pass/fail option. High school courses taken by seventh or eighth-grade students and completed by the end of the eighth-grade year will not count in class rank with the exceptions of Geometry, Biology, Art I and the third or higher levels of a foreign language. Rank will be determined by grade point averages (GPA) of the students. GPA and class rank are calculated in the summer after students complete the ninth and tenth grades. Estimated class rankings are determined at the end of the junior year and the first semester of the senior year for the express purpose of college entrance requirements. Another ranking is performed at the end of the third grading period to identify summa cum laude, magna cum laude, and cum laude graduates.

Note: New students to CFISD will be awarded credit for all transcribed high school courses. However, these courses will be included/excluded from GPA and class rank calculation in alignment with CFISD's GPA and class rank structures.

Honor Graduate Designation

At graduation ceremonies, graduates will be recognized in the following categories: summa cum laude (6.5 GPA), magna cum laude (6.25 GPA), and cum laude (6.0 GPA). A final calculation of GPA and class rank is determined at the end of the senior year and will be reflected on the final transcript which is sent to colleges.

Grading Scale

CFISD uses a weighted 6.0 grading scale. Grade points are allocated for a course of study based on the designation of the course as indicated in the chart below.

GRADE	LEVEL OR COURSE			
	K, AP, and HORIZONS Levels	L-Level (on-level)	Below Level Adaptive Behavior, ICS-M, NAC, Resource	Life Skills
A (90-100)	7 grade points	6 grade points	5 grade points	4 grade points
B (80-89)	6 grade points	5 grade points	4 grade points	3 grade points
C (75-79)	5 grade points	4 grade points	3 grade points	2 grade points
C- (70-74)	4 grade points	3 grade points	2 grade points	1 grade points
F (below 70)	0 grade points	0 grade points	0 grade points	0 grade points

The semester grades are computed by allocating a weight of 3/7 for each grading period average and 1/7 for a semester exam. A student will receive credit for each semester passed. If the course is a two-semester sequence and the student passes the second semester after having failed the first, he/she may receive the credit for both semesters if the yearly average is passing (70+).

Four mathematics and four science courses will be included in a student's GPA calculation. If a student takes Algebra I in 8th-grade and takes four math courses in grades 9-12, the four math courses taken in high school will be included in the student's GPA. But, if a student takes Algebra I in 8th-grade and only takes three math courses in grades 9-12, the Algebra I course will be included in the student's GPA calculation. Algebra I taken at any time will carry L-level grade points.

Participation in Commencement

To be eligible to participate in commencement exercises, a student must meet state graduation requirements by earning a minimum of 22 credits in designated courses and pass all required state assessments.

ENGLISH

4 credits required – English I, II, III, and IV

9 th Grade – English I	10 th Grade – English II	11 th Grade – English III	12 th Grade – English IV
English I – 01123	English II - 02123	English III - 03123	English IV 04123
English I K - 01013	English II K - 02013	English III K - 03013	English IV K 04013
English I H - 01063	English II H - 02063	English III K/DC - 03083	English IV K/DC 04023 (1301/1302 Lone Star)
		English III H/DC - 03093	English IV AP 04043
		English III AP - 03053	English IV H/AP 04063
		English III H/AP - 03063	English IV AP/DC 04053 (2322/2323 Lone Star)
			English IV H/AP/DC 04073 (2322/2323 Lone Star)

SOCIAL STUDIES

3 credits required

- **9th and/or 10th Grade - World Geography or World History**
 - Students have flexibility in determining the course & year of study (9th or 10th grade)
 - Students may substitute AP Human Geography (or H/AP) for World Geography but may **NOT** earn credit for both courses

World Geography – 11123	World History – 13123	Human Geography AP - 14753
World Geography K - 11013	World History K - 13013	Human Geography H/AP - 14763
World Geography H - 11063	World History H - 13063	
	World History AP - 13053	
	World History H/AP - 13073	

- **11th Grade - U.S. History**

US History – 10123
US History K – 10313
US History AP – 10353
US History H/AP - 10363
US History DC - 10253
US History H/DC - 10263

- **12th Grade - Government (1/2 credit) AND Economics (1/2 credit)**

Government – 14120	Personal Financial Literacy + Economics (on-level) – 15210
Government K – 14210	Economics Free Enterprise K – 15010
Government DC – 14550	Macro Economics AP – 15050
Government H/DC - 14560	Macro Economics H/AP – 15060
Government AP – 14250	Macro Economics AP/DC - 15070
Government H/AP - 14260	Macro Economics H/AP/DC - 15080

K=Accelerated level H=Horizons (students identified as Gifted/Talented) DC=Dual Credit AP=Advanced Placement

MATH

Requirements

- Algebra I – 8th or 9th Grade (*On-level credit regardless of when taken*) - required for all students
- Geometry – (*On-level, K, or H*)
- An additional math course
- +1 additional advanced math course (see chart below)
 - All STEM endorsements - must take Algebra II
 - Algebra II must be taken to earn the *Distinguished Level of Achievement*
 - Accounting II K & Robotics II K may count as a math credit
- **NOTE:** State graduation requirements do not mandate that a student complete Algebra II to graduate under the Foundation HS Program. If a student does not complete Algebra II, the student will not be eligible for automatic college admission or certain financial aid.

	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Example #1	8 th Grade Math	Algebra I (On-level)- 21523	Geometry (On-level) – 22123 K – 22013	Algebra II (On-level) – 23123 K - 23013	Precalculus (On-level) – 24223 K – 24113 DC – 24153 AP - 24183 or <u>ISM Advanced Algebra</u> (On-level) - 24523 or <u>ISM College Algebra</u> K – 24313 DC - 24413 or <u>Statistics AP</u> - 24553
Example #2	Algebra I	Geometry (On-level) – 22123 K – 22013 H - 22063	Algebra II (On-level) – 23123 K – 23013 H - 23063	Precalculus \Rightarrow (On-level) – 24223 K – 24113 AP – 24183; H/AP – 24193 DC – 24153; H/DC - 24173 <div style="text-align: center; border: 1px solid black; padding: 2px;">OR</div> ***** <u>ISM – College Algebra</u> \Rightarrow K – 24313; H – 24363 DC – 24413; H/DC - 24463 <div style="text-align: center; border: 1px solid black; padding: 2px;">OR</div> ***** <u>Statistics AP</u> \Rightarrow 24553; H/AP - 24563 DC – 24653; H/DC - 24663	AP Calculus AB - 25153; H/AP –24193 DC – 25053; H/DC - 25063 or AP Calculus BC – 25253; H/AP – 25163 DC – 25453; H/DC - 25463 or Statistics AP – 24553; H/AP - 24563 DC – 24653; H/DC - 24663 or ISM College Algebra – K – 24313; H – 24363; DC – 24413; H/DC - 24463 or AQR –K – 24733 ***** Precalculus - (On-level) – 24223; K - 24113 AP – 24183; H/AP – 24193 DC – 24153; H/DC - 24173 or Statistics AP – 24553; H/AP - 24563 DC – 24653; H/DC – 24663 or AQR – K - 24733 ***** Precalculus- (On-level) – 24223; K - 24113 AP – 24183; H/AP – 24193 DC – 24153; H/DC - 24173 or ISM College Algebra K – 24313; H – 24363 DC – 24413; H/DC - 24463 or AQR – K – 24733

SCIENCE

Requirements

- **Biology – 9th Grade - required for all students (Biology: 31123; Biology K – 31013; Biology H – 31063)**
- **IPC, Chemistry, or Physics (or AP Physics I)**
- **An additional science course**
- **+1 additional advanced science course (from the chart below)**
 - All STEM endorsements - must take Biology, Chemistry, & Physics (or AP Physics I)
 - Multidisciplinary Studies – Option 1 – 4 x 4 – must have Biology + Chemistry and/or Physics (or AP Physics I)
 - Students who do not take Chemistry and Physics may meet the high school graduation requirements, but this does not position them for career and college readiness

Course Name	Prerequisites	Information
IPC (Integrated Physics & Chemistry) (30523)	Biology	Introduces basic concepts of Chemistry & Physics
Chemistry (32123; K-31013; H-32063)	Biology and Algebra I	Characteristics of matter; use of Periodic Table
Physics (33123; K-33013; H-33063)	Biology & completion or concurrent with Algebra I	Laws of motion & forces, energy, waves, & electricity
Aquatic Science (On-level) (33423)	Biology (<i>Recommended – IPC or Chemistry or concurrent enrollment in either</i>)	Fresh water & marine aquatic systems
Astronomy (33523; K-33543)	Biology, Algebra I & IPC or Chemistry; <i>Recommended: Physics</i>	Moon, stars, planets, space exploration
Earth Systems Science (35323; K-35313; H-35363)	Algebra I & 2 credits of high school science	Study of the Earth’s systems
Environmental Systems (On-level) (33623)	Biology Recommended: IPC or Chemistry or concurrent enrollment in either	Native plants & animals, endangered species, disasters & events that affect the environment
AP Biology (34153; H/AP-34163; DC-34053)	Biology and Chemistry	Molecular biology, cellular processes, human genetics, plants & animals; college prep course
AP Chemistry AB (35153; H/AP-35163; DC-35253)	Biology, Chemistry and Algebra II	In-depth study of chemistry; comparable to a first-year college course
DC Chemistry BC (35273)	Biology, Chemistry and Algebra II	16-week course; comparable to Lonestar College courses: 1411 or 1412
AP Physics I (37453; H-37463; DC-37553)	Completion or concurrent enrollment in Algebra II	May substitute for Physics Algebra-based; the equivalent of a first semester algebra-based Physics college course but taught over a full year
AP Physics II (37653; H-37663; DC-37753)	Physics K or AP Physics I and completion or concurrent enrollment in Precalculus	Algebra-based; comparable to a second semester algebra-based college Physics course but taught over a full year
AP Physics C: Mechanics & EM (2 credits/2 period block) (37373; H-37473)	Physics or AP Physics I and completion or concurrent enrollment in Calculus	Calculus-based; principles of mechanics, electricity, & magnetism; the equivalent of calculus-based college Physics for engineers & science majors
AP Environmental Science (36153; H-36163; DC-36133)	Biology and Chemistry	Identify & analyze natural and human-made environmental problems
Anatomy & Physiology K (34213)	Biology and Chemistry; recommended – Medical Term & Prin of Health Sci Grades 11-12	Organ systems & physiology; dissection techniques; cause & effect of disease
Food Science K (33753)	Culinary Arts and three units of science (including Biology & Chemistry) Grades 11-12	Study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public
Forensic Science K (33813)	Biology and Chemistry; recommended – Medical Term & Prin of Health Sci Grades 11-12	Terminology and investigative procedures related to crime scene investigation – fingerprint analysis, ballistics, and blood spatter analysis
Engineering Design & Problem-Solving K (33913)	Algebra II + Biology, Chemistry & Physics (or concurrent) and Engineering Design & Presentation I Grades 11-12	Use the engineering design process cycle to investigate, design, plan, create, and evaluate solutions
Advanced Animal Science K (33733)	Biology, Chemistry, and Vet Med or at least one credit from the following: Small Animal, Equine Science, or Livestock Production; Grades 11-12	For students seeking career in animal science
Advanced Plant and Soil Science K (33743)	Biology, Chemistry, and Horticultural Science; Grades 11-12	Provides a way of learning about the natural world; basis for many other fields of science
Pathophysiology K (33843)	Biology and Chemistry; recommended – Medical Term & Prin of Health Sci Grades 11-12	Study of the disease process and how humans are affected

Other Required Courses for Graduation

PACE, Health, & Languages Other Than English (LOTE)/Foreign Language

- **PACE (.5 credit) – Personal, Academic, & Career Exploration (00120)** – builds skills to assist in the transition to high school as well as future transitions to career, college, adulthood, and independence.
 - **Required in 9th grade**
 - **Not available to take in Summer School**
 - **The state required speech TEKS are embedded in this class**

- **Health – Health or Principles of Health Science (choose one)**
 - _____ Health – .5 credit **(46120)**
(may be taken in any grade or through correspondence, summer school, or Credit-by-exam)
 - OR**
 - _____ Principles of Health Science – 1 credit **(94423)** (may be taken 9th – 11th grade)
(Recommended for those choosing the Public Services/Health Science endorsement option)

- **LOTE/Foreign Language – 2 credits in the same language are REQUIRED** (This includes any Foreign Language credits earned in middle school)

NOTE: Availability of Foreign Language course offerings varies by campus

- _____ Spanish I (61223), II (61323), III (61523), IIIK (61513), IVK (61613), IV AP (61653), IV AP/Dual (61673), V K (61713), V AP (61753), V AP/Dual (61783), VI K (61913)
- _____ Spanish I – Native Speakers (61023), II NS (60820), III K NS (60920), IV AP NS (60933)
- _____ French I (62123), II (62223), III K (62413), IV K (62513), IV AP (62553), IV AP/Dual (62523), V K (62613), VI K (62913)
- _____ German I (63223), II (63323), III K (63513), IV K (63613), IV AP (63653)
- _____ Latin I (64123), II (64223), III K (64313), IV K (64413), IV AP (64453), V K (64513)
- _____ (Mandarin) Chinese I (65123), II (65223), III (65323), IV (65423)
- _____ American Sign Language (Cy-Ridge & Langham Creek only)
- _____ Computer Programming * Computer Science Principles AP (26423)
Computer Science I K (26513), II K (26583), III K (26523)

***Note: Colleges and universities set their own entrance requirements. Consequently, a student should verify admission requirements with the specific college/university.**

Fine Arts

- **Fine Arts - 1 credit required (choose one)**
*Students must take **2 sequential semesters of the same course** to meet the Fine Arts requirement*

Dance

- _____ Dance I (45273), II (45283), III (45323), IV (45423)
- _____ Dance Team I (45113), II (45253), III (45313), IV (45413)

Art

- _____ Drawing & Painting I (70123), II (70523), III (70923), IV (72523), AP Art Drawing (71453), AP Art 2-D Design (71353)
- _____ Ceramics/Sculpture I (70223), II (70623), III (71023), IV (72533), AP Art 3-D Design (71553)
- _____ Photography I (70323), II (70723), III (71123), IV (72623), AP Art Photography (71753)
- _____ Digital Art & Media I (70113), II (70423), III (71223), IV (71233), AP Digital Art & Media (71853)
- _____ AP Art History (71653)

Music

- _____ Band I (75113), II (75213), III (75313), IV (75413)
- _____ Band I/Color Guard (76713), II/CG (76723), III/CG (76733), IV/CG (76743)
- _____ Choir I (78153), II (78253), III (78353), IV (78453)
- _____ Orchestra I (77143), II (77243), III (77343), IV (77443)
- _____ AP Music Theory (79153)

Theatre

- _____ Theatre Arts I (74123), II (74223), III (74323), IV (74423)
- _____ Technical Theatre I (73923), II (74023), III (74033), IV (74043)
- _____ Theatre Production I (74723), II (74823), III (74923), IV (75023)

Floral Design _____ 93133 (*Grades 10-12 only*); required prerequisite or concurrent enrollment in Principles of Ag

Physical Education

➤ **Physical Education - 1 credit required (choose one)**

PE credit may also be earned through approved correspondence courses *(subject to approval by high school counselor after successful completion of one semester in 9th grade with an overall average of at least 75)*

PE courses

- _____ Lifetime Fitness & Wellness Pursuits - 40543
- _____ Skill-based Lifetime Activities - 40323
- _____ Dance I (PE) - 45033
- _____ Dance II (PE) – 45043

Note: *Students may earn a maximum of 2 credits in PE toward graduation*

Athletics *(Please refer to your high school list of sports & course numbers provided by your school counselor)*

- _____ Baseball I
- _____ Basketball
- _____ Cross Country
- _____ Football
- _____ Golf
- _____ Soccer
- _____ Softball
- _____ Swimming & Diving
- _____ Tennis
- _____ Track
- _____ Volleyball
- _____ Water Polo
- _____ Wrestling
- _____ Student Athletic Trainer (Football I)

Students are placed in **Athletics** as the result of student performance criteria conducted in pre-season try-out sessions and the ultimate recommendation from the head coach.

Note: *Students may earn up to 4 credits of PE toward graduation through Athletics*

Off-Campus PE – I (99523), II (99563), III (99573), IV (99583) *(prior approval required)*

PE Substitutions *(Other course options that will satisfy the PE graduation requirement)*

- _____ Air Force JROTC I (46313), II (46323), III (46333), IV (46353)
- _____ Band I & Band II (75113, 75213)
- _____ Cheerleading I & II (44623, 44633)
- _____ Dance Team I or II (45113, 45253)
- _____ Band/Color Guard I & II (76713, 76723)

Note: *Students may earn up to 4 credits of PE through Off-Campus PE or PE Substitutes*

Completing the 4-Year Plan

Check to make sure you have included the following:

- Foundation courses needed for graduation:
 - ✓ 4 English credits
 - ✓ 4 Math credits
 - ✓ 4 Science credits
 - ✓ At least 3 Social Studies credits
 - ✓ 2 LOTE/Foreign Language credits (*including those earned in Middle School + any additional years desired*)
 - ✓ 1 Fine Art credit (*+ any additional years desired*)
 - ✓ 1 PE credit (*+ any additional years desired*)
 - ✓ Health (add in the blank next to PACE) or Principles of Health Science (9th – 11th grade)
- Course levels for all courses
- Endorsement & Option/Program of Study courses
- 7 credits for each school year
- 2 alternate electives for 9th grade (*write these in the blanks provided at the bottom of the 4-Year Plan worksheet*)

Remember...

- Endorsement(s)/Electives should be chosen based on student preference and with consideration of anticipated college requirements. **Remember: You will have a chance to modify or change your plan in high school!**
- You have flexibility in determining the course and year of study for the following graduation requirements:
 - World History or World Geography (or Human Geography AP)
 - LOTE/Foreign Language
 - Fine Arts
 - PE
 - Health
- If you have space available in your 4-Year Plan **AFTER** fulfilling your endorsement requirements, you may consider including the following in your plan:
 - Additional courses in any of the 4 core academic areas (English, Math, Science, Social Studies)
 - Additional courses from your endorsement area
 - Other elective courses (*see p. 50*)
- Check to make sure you have met the requirements for all chosen endorsements
- If you choose a semester course (.5 credit), you must choose another semester course to go with it; place the name of both courses in the same box on your 4-Year Plan worksheet

Cypress-Fairbanks ISD - The Endorsements

A student must complete the Foundation High School Program (22 credits), one additional math credit, one additional science credit, and two additional elective credits while completing the specific requirements of his/her selected endorsement.

STEM <i>Science, Technology, Engineering, & Math</i>	Business & Industry	Public Services	Arts & Humanities	Multidisciplinary Studies
<p>Students may earn a STEM endorsement by selecting and completing the requirements from among these 5 options.</p> <p>Note: Algebra II, Chemistry, and Physics are required for the STEM endorsement <u>regardless</u> of the option the student selects from below.</p> <p>Option 1: Computer Science (Technology) Students take 4 computer science courses.</p> <ul style="list-style-type: none"> • Computer Science I K • AP Computer Science Principles • Computer Science II K • Computer Science III K • Computer Science IV K <p>Option 2: CTE (Engineering) Students earn four (4) CTE credits by taking at least two (2) courses in the same cluster that lead to a final course in the STEM cluster. At least one (1) of the courses must be an advanced CTE course (3rd year or higher course in a sequence).</p> <p style="text-align: center;"><u>OR</u> *</p> <p>*Students earn four (4) or more credits by taking at least three (3) courses in a TEA- approved program of study with at least one (1) advanced course (3rd year or higher in the sequence).</p>	<p>Students may earn a Business & Industry endorsement by selecting and completing the requirements from among these 3 options.</p> <p>Option 1: CTE Students earn four (4) credits by taking at least two (2) courses in the same cluster in one of the following areas</p> <ul style="list-style-type: none"> • Agriculture, Food and Natural Resources • Architecture and Construction • Arts, Audio/Video Technology, and Communication • Business, Marketing and Finance • Hospitality and Tourism • Information Technology • Manufacturing • Transportation, Distribution, and Logistics <p>with at least one (1) advanced course (3rd year or higher course in the sequence).</p> <p style="text-align: center;"><u>OR</u> *</p> <p>*Students earn four (4) or more credits by taking at least three (3) courses in a TEA- approved program of study with at least one (1) advanced course (3rd year or higher in the sequence).</p> <p>Option 2: English Students take four (4) English elective credits that include three levels in one of the following areas</p> <ul style="list-style-type: none"> • Advanced Journalism: Newspaper or Yearbook • Debate 	<p>Students may earn a Public Services endorsement by selecting and completing the requirements from among these 2 options.</p> <p>Option 1: CTE Students earn four (4) credits by taking at least two (2) courses in the same career cluster in one of the following areas</p> <ul style="list-style-type: none"> • Education and Training • Health Science • Human Services <p>With at least one (1) advanced course (3rd year or higher course in the sequence).</p> <p style="text-align: center;"><u>OR</u> *</p> <p>*Students earn four (4) or more credits by taking at least three (3) courses in a TEA- approved program of study with at least one (1) advanced course (3rd year or higher in the sequence).</p> <p>Option 2: AFJROTC Student takes four (4) AFJROTC courses for (4) credits.</p>	<p>Students may earn an Arts & Humanities endorsement by selecting and completing the requirements from among these 3 options.</p> <p>Option 1: Social Studies Students earn five (5) social studies credits.</p> <p>Option 2: Languages Other Than English (Foreign Language) Students take four (4) levels of the same foreign language.</p> <p style="text-align: center;"><u>OR</u></p> <p>Students take two (2) levels of one foreign language AND two (2) levels of a different foreign language (two levels in each of two different foreign languages for 4 credits).</p> <p>Option 3: Fine Arts Students take four (4) courses in the same fine arts area for 4 credits</p> <p style="text-align: center;"><u>OR</u></p> <p>Students take two (2) courses in one fine arts area AND two (2) courses in a different fine arts area (two courses in each of two different fine arts areas for 4 credits).</p>	<p>Students may earn a Multidisciplinary Studies endorsement by selecting and completing the requirements from among these 2 options.</p> <p>Option 1: Four by Four (4 X 4) Students take four (4) courses in each of the four core content areas.</p> <ul style="list-style-type: none"> • Four (4) English credits including English IV • Four (4) math credits • Four (4) science credits including biology and chemistry and/or physics • Four (4) social studies credits <p>Option 2: AP / Dual Students take four (4) Advanced Placement (AP) or four (4) Dual Credit courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts.</p> <p style="text-align: center;"><u>OR</u></p> <p>Students take a combination of Advanced Placement (AP) or Dual credit courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts.</p>

STEM <i>Science, Technology, Engineering, & Math</i>	Business & Industry	Public Services	Arts & Humanities	Multidisciplinary Studies
<p>Option 3: Math Students take Algebra I, Geometry, and Algebra II AND two (2) of the following courses for which Algebra II is a prerequisite.</p> <ul style="list-style-type: none"> • Pre-Calculus • Calculus AB or BC • Statistics AP • AQR K • Advanced Algebra • College Algebra K <p>Option 4: Science Students take Biology, Chemistry, and Physics, AND two (2) of the following courses.</p> <ul style="list-style-type: none"> • AP Chemistry • AP Biology • Anatomy & Physiology • AP Environmental Science • AP Physics I • AP Physics II • AP Physics C • Aquatic Science • Astronomy • Earth & Space Science • Environmental Systems • Forensic Science • Engineering Design & Problem Solving • Advanced Animal Science • Advanced Plant and Soil Science • Pathophysiology <p>Option 5: Combination Students take Algebra II, Chemistry, and Physics, an additional math course, an additional science course, AND three (3) additional credits from Option 1 (Computer Science) and/or Option 2 (CTE) in the STEM endorsement. If the combination plan includes a CTE course, at least one (1) course must be advanced.</p>	<p>Option 3: Combination Students take a coherent sequence of four (4) credits from Option 1 and 2. Combination plan must include one (1) advanced CTE course.</p>			

THE ENDORSEMENTS

STEM

Note: Algebra II, Chemistry, and Physics or AP Physics I are required for the STEM endorsement regardless of the option selected:

- **Option 1: Computer Science** – see Information Technology – IT1 – Programming & Software Development (p. 43)
- **Option 2: Engineering Programs of Study** – ENG 1 – Engineering Foundations (p. 35)
ENG 2 – Robotics (p. 35)

Students earn four (4) CTE credits by taking at least 2 courses in the same cluster that lead to a final course in the STEM cluster; at least one (1) of the courses must be an advanced CTE course (3rd year or higher course in a sequence).

OR* Students earn four (4) or more credits by taking at least three (3) courses in a TEA-approved program of study with at least one (1) advance course (3rd year or higher in the sequence).

- **Option 3: Math**

Students take Algebra I, Geometry, and Algebra II **AND** two (2) of the following courses for which Algebra II is a prerequisite:
Pre-Calculus; Calculus AB or BC; Statistics AP; AQR K; Advanced Algebra; College Algebra K

- **Option 4: Science**

Students take Biology, Chemistry, and Physics (or AP Physics I), **AND** two (2) courses from the list on [page 8](#)

BUSINESS & INDUSTRY

Students may earn a Business & Industry endorsement by selecting and completing the requirements from among these options:

- **Option 1: CTE**

Students earn 4 credits by taking at least 2 courses in the same career cluster with at least 1 advanced course (3rd or higher course in the sequence) **OR** Students earn four (4) or more credits by taking at least three (3) courses in a TEA-approved program of study with at least one (1) advanced course (3rd year or higher in the sequence)

- Agriculture, Food & Natural Resources (p. 23)
- Architecture & Construction (p. 25)
- Arts, Audio/Video Technology, & Communication (p. 27)
- Business, Marketing & Finance (p. 29-31)
- Hospitality & Tourism (p. 39)
- Information Technology (p. 43)
- Manufacturing (p. 47)
- Transportation, Distribution, & Logistics (p. 49)

- **Option 2: English**

Students take four (4) English elective credits that include three (3) levels in **one** of the following areas:

- Advanced Journalism (Newspaper or Yearbook)
- Debate

PUBLIC SERVICES

Students may earn a **Public Services endorsement** by selecting and completing the requirements from among these **2** options:

➤ **Option 1: CTE**

Students earn 4 credits by taking at least two (2) courses in the same career cluster in one of the following areas with at least one (1) advanced course (3rd year or higher course in the sequence) **OR** Students earn four (4) or more credits by taking at least three (3) courses in a TEA-approved Program of Study with at least one (1) advanced course (3rd year or higher in the sequence)

- Education and Training (p. 33)
- Health Science (p. 37)
- Human Services (p. 41)

➤ **Option 2: AFJROTC** – 4 Air Force JROTC courses for 4 credits

Career Interest	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Military, Law, Public Safety, Security	AF JROTC I	AF JROTC II	AF JROTC III	AF JROTC IV

ARTS & HUMANITIES

Areas of interest that relate to possible careers:

Art	Dance	Music	Theatre
Drawing & Painting	Dance	Band or Band/Color Guard	Theatre Arts
Digital Art & Media	Dance Team	Choir	Technical Theatre
Ceramics/Sculpture		Orchestra	Theatre Production
Photography			

Social Studies	Languages Other Than English (LOTE)/Foreign Language	
Political Science	Spanish	Programming Languages (<i>see * below</i>)
Law	French	Computer Science Principles AP
Psychology	German	Computer Science I K
Criminal Justice	Latin	Computer Science II K
	Chinese	Computer Science III K
	ASL – Cy-Ridge & Langham only	

****Colleges and universities set their own entrance requirements. Consequently, a student should verify admission requirements with the specific college/university.***

Note: Availability of Foreign Language course offerings varies by campus

ARTS & HUMANITIES *(continued)*

Students may earn an **Arts & Humanities endorsement** by selecting and completing the requirements from among these **3** options:

- **Option 1: Social Studies** – Students earn five (**5**) social studies credits

Note: **This includes the 3 credits of Social Studies that are required for graduation*

Students may **NOT earn credit for both World Geography & Human Geography AP*

Course Title	Course #	Grade Level(s)	Description
World Geography		9-10	Analysis of the relationships between people, places, and environments
Human Geography AP		9-12	Provides framework to understand how the world is organized and how events in one region can have a major impact on events in other regions
World History		9-10	Study of significant people, events, and issues in world history
US History		11	Prerequisite – World Geography or World History; required course for graduation
Government (1/2 credit)		12	Prerequisite – US History; required course for graduation
Personal Financial Literacy Plus Economics (On-level) OR Economics Free Enterprise System (K-level) OR Macro Economics AP (1/2 credit)		12	Prerequisite – US History; required course for graduation
ELECTIVES			
African-American Studies	14213	10-12	Focuses on the historical and cultural contributions of African Americans
Mexican-American Studies	14113	10-12	Focuses on the historical and cultural contributions of Mexican Americans
Psychology or Psychology AP (1/2 credit)	13620 13650	11-12	Understanding the concept of human behavior, theories of personality, human growth & development
Sociology (1/2 credit)	13420	11-12	Understanding of self and the society in which one lives
Street Law (1/2 credit) Street Law (1 credit)	13720 13723	11-12	Court structure, criminal procedure, civil rights & other legal issues; criminal law one semester & civil law the other semester
World Area Studies K (1/2 credit) (1 credit)	14010 14013	11-12	Study of geography, culture, history, politics, and economic development of selected regions
European History AP	15553	11-12	Prerequisite – US History or concurrent enrollment European history from 1450 to the present

- **Option 2: Languages Other Than English (LOTE)/Foreign Language** - 4 levels of the **same** foreign language **OR** **LOTE/Foreign Language Combo** – 2 levels in each of 2 **different** foreign languages (for 4 credits)

Note: *This includes the 2 credits of foreign language that are required for graduation*

Availability of Foreign Language course offerings varies by campus

_____ Spanish I (61223), II (61323), III (61523), IIK (61513), IVK (61613), IV AP (61653), IV AP/Dual (61673), V K (61713), V AP (61753), V AP/Dual (61783), VI K (61913)

_____ Spanish I – Native Speakers (61023), II NS (60820), III K NS (60920), IV AP NS (60933)

_____ French I (62123), II (62223), III K (62413), IV K (62513), IV AP (62553), IV AP/Dual (62523), V K (62613), VI K (62913)

_____ German I (63223), II (63323), III K (63513), IV K (63613), IV AP (63653)

_____ Latin I (64123), II (64223), III K (64313), IV K (64413), IV AP (64453), V K (64513)

_____ Chinese I (65123), II (65223), III (65323), IV (65423)

_____ ****Computer Science Principles AP (26423)**

_____ ****Computer Science I K (26513), II K (26583), III K (26523)**

****Colleges and universities set their own entrance requirements. Consequently, a student should verify admission requirements with the specific college/university**

ARTS & HUMANITIES *(continued)*

➤ **Option 3: Fine Arts** - 4 sequential courses in the same fine arts area (for 4 credits) **OR**

Fine Arts Combo - 2 courses in each of 2 different fine arts areas (for 4 credits)

(Note: This includes the 1 credit of Fine Arts that is required for graduation)

Dance

- _____ Dance I (45273), II (45283), III (45323), IV (45423)
- _____ Dance Team I (45113), II (45253), III (45313), IV (45413)
- _____ Dance Composition I (45343), II (45353), III (45363) **Concurrent enrollment in Dance Team & Director Approval Required**

Art

- _____ Drawing & Painting I (70123), II (70523), III (70923), IV (72523), AP Art Drawing (71453), AP Art 2-D Design (71353)
- _____ Ceramics/Sculpture I (70223), II (70623), III (71023), IV (72533), AP Art 3-D Design (71553)
- _____ Photography I (70323), II (70723), III (71123), IV (72623), AP Art Photography (71753)
- _____ Digital Art & Media I (70113), II (70423), III (71223), IV (71233), AP Art Digital Art & Media (71853)
- _____ AP Art History (71653)

Music

- _____ Band I (75113), II (75213), III (75313), IV (75413)
- _____ Band I/Color Guard (76713), II/CG (76723), III/CG (76733), IV/CG (76743)
- _____ Choir I (78153), II (78253), III (78353), IV (78453)
- _____ Orchestra I (77143), II (77243), III (77343), IV (77443)
- _____ AP Music Theory (79153)

Theatre

- _____ Theatre Arts I (74123), II (74223), III (74323), IV (74423)
- _____ Technical Theatre I (73923), II (74023), III (74033), IV (74043)
- _____ Theatre Production I (74723), II (74823), III (74923), IV (75023)

MULTIDISCIPLINARY STUDIES

Option 1: Four by Four (4 X 4)	Option 2: AP / Dual Credit
<p>Students take 4 courses in each of the four core content areas:</p> <ul style="list-style-type: none"> 4 English credits including English IV 4 math credits including Algebra I & Geometry 4 science credits including Biology + Chemistry and/or Physics (or AP Physics I) 4 social studies credits including World Geography and/or World History + US History + Government (.5 credit) + Economics (.5 credit) 	<p>Students take 4 Advanced Placement (AP) <u>or</u> 4 Dual Credit courses for 4 credits in English, math, science, social studies, Foreign Language, or fine arts</p> <p style="text-align: center;"><u>OR</u></p> <p>Students take a <u>combination</u> of Advanced Placement (AP) or Dual Credit courses for 4 credits in English, math, science, social studies, Foreign Language, or fine arts</p>

This endorsement provides flexibility for students with a wide range of interests and talents and includes courses from multiple content areas. It is appropriate for careers that span more than one category or that do not completely fit a specific category.

Students are allowed to take classes from all the endorsement areas to see what they may be interested in for the future.

CAREER AND TECHNICAL EDUCATION



Students participating in Career and Technical Education (CTE) courses may incur some additional expense if the course includes constructing projects to be taken home for personal use. Cost of the personal project will vary, depending upon the type of project, its size, and the materials used. Some CTE courses also include requirements to purchase tools and/or uniforms for personal use (such as lab kits for cosmetology and scrubs for some health science classes).

Several of the CTE courses include training for industry-standard certifications. While students may pay for the certification exam, the training is offered at no cost. Some of these certifications meet the requirements for a student to earn a Performance Acknowledgment. Certifications that relate to safety (such as CPR and OSHA) are required for all students in the course. There is an opportunity for students to receive a state-funded reimbursement for certification fees if they successfully earn the credential. See your teacher or counselor for more information.



While not a course requirement, if any student chooses to raise an animal as an ag project, all animal-project costs are the responsibility of the student. Raising animal projects may require one to two hours per day outside of school hours. See your agriscience teacher for more information.

Students may choose to participate in extra-curricular contests related to their coursework. Preparation for contest events may be held outside of school hours, possibly one to two hours per week.

FREQUENTLY ASKED QUESTIONS ABOUT EARNING CERTIFICATIONS WITHIN CTE COURSES

What certifications are available?

Over 60 certifications are available. The certifications are listed on the following pages, next to the course in which the certification prep takes place.

Architectural Design II (2) (A)	11 - 12	Required Architectural Design I	Autodesk Revit (P) Autodesk AutoCAD (P)	Students will gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction. Advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. Lab supply fee.
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Why should I get certified? Being able to add certifications to your resume allows you to stand out against others in whatever comes next for you. That might be a job or college application. Even if your next step ends up being in an area unrelated to your certification, having the credential on your resume proves to prospective employers and/or institutions that you are trainable.

While some of the certifications are free to students, some have a cost. Is it worth the cost? While there is a cost for some of the certifications, in almost every case, it is at a fraction of the cost for anyone wishing to earn that certification outside of doing so in their CTE course. The largest savings is related to there being little or no cost for the training and practice certification exams. Whereas someone may pay \$300 to \$500 for software training and exam practice, CFISD CTE students pay nothing. Those same students then do pay for a certification exam voucher, but in most cases it is at a reduced cost. Likewise, some pay as much as \$15,000 to go to cosmetology school, yet CFISD CTE students pay as little as \$400 from start to finish to leave high school with their Cosmetology Operator License.

How may I earn a refund of my certification exam fee? The state allocates funding for students who take and earn their first certification to receive a refund equivalent to the amount they paid for the certification exam. This only applies to the certifications that qualify for Performance Acknowledgements. (P)

Want more information?

See your CTE teacher or counselor, or visit the CFISD CTE website at <https://www.cfisd.net/CTE>.



FREQUENTLY ASKED QUESTIONS ABOUT CTE PROGRAMS OF STUDY

What is a CTE Program of Study?

Each CTE Program of Study includes a state-approved coherent sequence of courses, industry-based certification(s), and work-based learning to ensure students are prepared for in-demand, high-skill, and high-wage careers in Texas.

What do CTE Programs of Study look like in CFISD?

CFISD offers CTE Programs of Study for around thirty (30) different industry fields. Each includes a recommended sequence of courses, the ability to learn with industry-standard materials/equipment, the opportunity to add at least one industry-based certification to your resume, and options to grow under the guidance of industry professionals.

What CTE Programs of Study does CFISD offer?

(List is subject to change - see www.CFISD.net/CTE for updates. Offered at every CFISD high school.)

Accounting & Financial Services	Agricultural Technology & Mechanical Systems	Animal Science	Architectural Drafting & Design
Automotive Technician	Business Management	Construction	Cosmetology
Culinary Arts	Cybersecurity	Diagnostic & Therapeutic Services	Digital Communication - Audio
Digital Communication - Video	Early Learning	Engineering Foundations	Entrepreneurship
Environmental & Natural Resources	Fashion Design	Graphic Design & Interactive Media	Interior Design
Manufacturing Technology	Marketing & Sales	Networking Systems	Plant Science
Programming & Software Development	Robotics	Teaching & Training	Web Development
Welding			

How many courses make up a program of study?

Students are considered to have "completed" a program of study if they have taken at least three courses for at least a total of 4 credits, with at least one course being labeled as advanced. A Performance Acknowledgment is earned if they also have achieved at least one industry-based certification (from the state list).

Do I have to take the courses in a particular order?

The program of study promotion materials list a recommended order to take the courses within a program of study, paying attention to things like level of rigor and prerequisites. The progression of courses exposes students to general concepts related to that industry in the beginning course(s) and progresses to more advanced concepts that are more specific to those who concentrate in that industry. For example, in Accounting & Financial Services, the beginning courses expose students to concepts such as personal finance and basic spreadsheets. As the courses progress, students delve deeper into the business accounting cycle and learn how to utilize and certify in QuickBooks, an industry-based accounting software. Students in that program of study have the opportunity to complete their time in high school with a course that involves working side-by-side with professionals in that industry.

What supports exist to help me learn more about what program of study might be right for me?

- Information found on www.CFISD.net/CTE and this High School Course Description Book
- Middle School Program of Study Parent/Student Information Night
- Career exploration lessons including a career interest survey in 8th grade
- Feeder high school events designed for incoming students to learn about options
- PACE course taken by all 9th grade students with additional career and program of study exploration
- Annual conferences with high school counselors
- 4-year plan reviews in every CTE course
- Contact your counselor or a CTE teacher if you still have questions

When do I have to decide on the program of study I want to pursue?

While conversations may happen before then, students submit their first 4-year plan in 8th grade. The course selections are input into Xello, a software program allowing students and their parents to keep track of their 4-year plan throughout their high school career.

Am I able to make changes in later years?

There is a window of time each year during which 4-year plans are reviewed and adjustments may be made. Because of the way courses fit together in a sequence, making adjustments within a program of study are “easier” to make than changing between programs of study, especially beyond the first year or two of courses. NOTE: While there are windows of time when adjustments to 4-year plans may be requested, there are also deadlines and periods of time when courses for the following and/or current year are locked and may not be changed.

Does taking courses to complete a CTE program of study mean I can't take any other offerings?

No. There are students who complete CTE programs of study who are also very active in areas such as fine arts, athletics, AFJROTC, foreign language, etc. However, this does take planning and could depend upon courses taken in middle school and/or summer school, and there are some limits based on the 7-period day. This is why starting the planning conversation as early as 6th grade is important.

When can I take my first CTE course?

Students can get a jumpstart on a program of study, or do some exploration ahead of time, by choosing from the following high school credit CTE courses offered in 7th and/or 8th grade:

- Principles of Applied Engineering
- Principles of Architecture
- Principles of Business, Marketing, & Finance
- Principles of Hospitality & Tourism
- Principles of Human Services
- Principles of Information Technology
- Principles of Manufacturing
- Business Information Management I

Are there other opportunities to take high school credit courses in middle school?

Yes. In addition to taking advantage of the option to make room for more CTE courses in high school by taking one or more CTE course in middle school, the same is true for taking other high school credit courses such as foreign language in middle school...especially if you are wanting to take a CTE program of study that includes block courses (courses that last 2 or 3 periods each day). See the Middle School Course Description Book (<https://www.cfisd.net/domain/2370>) or your counselor for more information on high school credits available at middle school.



NOTES

AGRICULTURE, FOOD, & NATURAL RESOURCES

AG 1 – Animal Science



9TH GRADE
Principles of Agriculture (1)
Quality Counts Verification

10TH GRADE
Small Animal Mgmt (0.5) & Equine Sci (0.5)
*Fear Free Vet, *Equine Mgmt & Eval*
 OR
Livestock Production (1)
*TX BQA, *Fundamentals of Animal Sci*

11TH GRADE
***Vet Med Applications (1)**
**Vet Med Appl Cert, *Cert Vet Assist 1*
 OR
Livestock Production (1)
*TX BQA, *Fundamentals of Animal Sci*

12TH GRADE
***Advanced Animal Science K (1-sci)**
 OR
***Practicum in Agriculture (2)**
Certified Vet Assistant 2

AG 2 – Plant Science



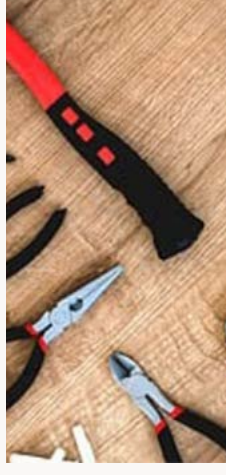
9TH GRADE
Principles of Agriculture (1)
Quality Counts Verification

10TH GRADE
Greenhouse Operation & Production (1)
 OR
Floral Design (1-fine arts)
**TSFA Knowledge Based Floral Cert.
 TSFA Level I Floral Certification

11TH GRADE
***Advanced Plant & Soil Science K (1-sci)**
**BASF Plant Science Certification*
 OR
***Advanced Floral Design (1)**
**TSFA Level II Floral Certification*

12TH GRADE
***Project-based Research Plant Science (1)**
**Benz Principles of Floral Design*
 OR
***Practicum in Agriculture (2)**

AG 3 – Agricultural Technology & Mechanical Systems



9TH GRADE
Principles of Agriculture (1)
Quality Counts Verification

10TH GRADE
Ag Mechanics (1)
*OSHA-10hr
 AWS D9.1 Sheet Metal Welding

11TH GRADE
***Ag Equipment (1)**
**AWS D1.1 Structural Steel*

12TH GRADE
***Project-based Ag Mechanics (1)**
*OSHA 30-hr
 Additional AWS
 OR
***Practicum in Agriculture (2)**
**Additional AWS*

AG 4 – Environmental & Natural Res



9TH GRADE
Principles of Agriculture (1)
Quality Counts Verification

10TH GRADE
Wildlife, Fisheries & Ecology Mgmt (1)
*Hunter Safety
 Boater Safety
 Angler Safety*

11TH GRADE
***Range Ecology Mgmt (1)**
**NOCTI Natural Resources Systems*

12TH GRADE
***Practicum in Agriculture (2)**

POTENTIAL OCCUPATIONS

Certified Vet Assistant
 \$15 per hour

Animal Breeder
 \$39,139

Animal Scientist
 \$57,533

Zoologist
 \$67,309

Veterinarian
 \$93,496

POTENTIAL OCCUPATIONS

Soil & Plant Scientist
 \$65,370

Biological Technician
 \$42,931

Floral Designer
 \$31,630

Landscaping Supervisor
 \$44,408

POTENTIAL OCCUPATIONS

Small Engine Mechanic
 \$32,406

Welder
 \$50,648

Farm Equipment Mechanic
 \$39,915

Heavy Equipment Mechanic
 \$47,299

Agricultural Engineer
 \$64,792

POTENTIAL OCCUPATIONS

Environmental Sci & Protection Tech
 \$40,268

Environmental Scientists
 \$77,896

Environmental Engineer
 \$86,757

Zoologists & Wildlife Biologist
 \$67,309

Surveying & Mapping Technician
 \$44,070

AGRICULTURE, FOOD, and NATURAL RESOURCES
Endorsement – Business & Industry

NOTE: Principles of Ag, Food, & Natural Resources is a REQUIRED prerequisite of all 9th/10th grade students wanting to take an Ag course

Principles of Ag, Food, & Natural Resources	91123	9-10		Quality Counts Verification	Introductory class that prepares students for careers in agriculture, food, and natural resources
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Program of Study – AG 1 – ANIMAL SCIENCE

Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Small Animal Management (1/2 credit)	93320	10-12	(Required or concurrent) Prin of Ag for 10 th graders	Fear Free Vet Certification	Small mammals, amphibians, reptiles, birds, dogs, & cats; <i>Students may log job shadowing hours for CVA</i>
Equine Science (1/2 credit)	92420	10-12	(Required or concurrent) Prin of Ag for 10 th graders	Equine Mgt & Eval Cert (P)	Breeds, nutrition, health & management of horses <i>Students may log job shadowing hours for CVA</i>
Livestock Production	92223	10-12	(Required or concurrent) Prin of Ag for 10 th graders	TX BQA, Fund of Animal Sci Cert (P)	Animal foods, health, handling techniques, & sales <i>Students may log job shadowing hours for CVA</i>
Veterinary Med Applications (A)	88823	11-12	Small Animal, Equine Science, or Livestock Production	Vet Med Appl Cert & Certified Vet Assistant I \$\$\$\$ (P)	Vet practices, industry expectations, large & small animals; Scrubs or Lab supply fee Requires students to job shadow at vet-related facility
Advanced Animal Science K (1 Science Credit) (A)	33733	11-12	Biology, Chemistry, AND Vet Med or at least 1 credit from Small Animal, Equine, or Livestock		For students preparing for careers in animal science <i>Students may log job shadowing hours for CVA</i>
Practicum in Agriculture (2 credits) (A)	90923	12	At least 2 Ag courses	Certified Vet Asst II \$\$\$\$	Requires students to job shadow at vet-related facility 10 hours per week

Program of Study – AG 2 – PLANT SCIENCE

Greenhouse Operation & Production	91733	10-12	(Required or concurrent) Prin of Ag for 10 th graders		Greenhouse production techniques & practices; plant nutrition, use & identification; tools & equipment
Floral Design (1 Fine Arts Credit) <i>NOTE: Students must be in 11th or 12th grade to take this course without taking Principles of Ag</i>	93133	10-12	(Required or concurrent) Prin of Ag for 10 th graders	TSFA Knowledge-based & TSFA Level 1 Floral Certs \$\$\$ (P)	Floral design & industry expectations Lab supply fee Note: The TSFA Level 1 certification is required to move on to Advanced Floral Design
Advanced Floral Design (A)	93233	11-12	Floral Design AND TSFA Floral Design Level 1	TSFA Level 2 Floral Cert \$\$\$ (P)	Advanced floral design concepts, specialty designs & occasion planning Lab supply fee
Advanced Plant & Soil Science K (1 Science Credit) (A)	33743	11-12	Biology, Chemistry AND Greenhouse Op & Prod	BASF Plant Sci Cert (P)	Provides way of learning about the natural world; basis for many other fields of science
Project-Based Research in Plant Science (A)	33763	11-12	Greenhouse Operation & Production OR Floral Design	BENZ Principles of Floral Design (P)	Supervised research study/project-based class Lab supply fee
Practicum in Agriculture (2 credits) (A)	90923	12	At least 2 Ag courses	TSFA Level 2 Floral Cert \$\$\$ (P)	Students are required to work 10 hours per week at an approved training site

Program of Study – AG 3 – AGRICULTURAL TECHNOLOGY & MECHANICAL SYSTEMS

Agricultural Mechanics & Metal Technologies	91323	10-12	(Required or concurrent) Prin of Ag for 10 th graders	OSHA-10 AWS D9.1 \$\$ (P)	Safety & skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete & metal work techniques Lab supply fee
Agricultural Equipment & Design (A)	92133	11-12	Ag Mechanics & Metal Tech	AWS D1.1 \$\$ (P)	Projects might include items such as ag machinery & equipment, fences, corrals, or other agricultural enclosures Lab supply fee
Project-based Research in Ag Mechanics (A)	82633	11-12	Ag Mechanics & Metal Tech	OSHA-30 AWS D1.1 \$\$ (P)	Supervised research/project-based class Lab supply fee
Practicum in Agriculture (2 credits) (A)	90923	12	At least 2 Ag courses	OSHA-30 AWS D1.1 \$\$ (P)	Students are required to work 10 hours per week at an approved training site Lab supply fee

Program of Study – Ag4 – ENVIRONMENTAL & NATURAL RESOURCES

Wildlife, Fisheries & Ecology Mgt.	92523	10-12	(Required or concurrent) Prin of Ag for 10 th graders	Hunter, Boater & Angler Safety	Hunting & fishing skills and safety are taught as well as water & boating safety
Range Ecology Mgt. (A)	92233	11-12	Wildlife, Fisheries & Ecology Mgt.	NOCTI Natural Resources Sys (P)	Methods for maintaining & improving rangeland for livestock & wildlife management
Practicum in Agriculture (2 credits) (A)	90923	12	At least 2 Ag courses		Students are required to work 10 hours per week at an approved training site.

(A) = Advanced Course

(P) = Performance Acknowledgement

Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

ARCHITECTURE & CONSTRUCTION

A&C 1 – Architectural Drafting & Design



A&C 2 – Construction



A&C 3 – Interior Design



9TH GRADE
Principles of Architecture (1)

10TH GRADE
Architectural Design I (1)

11TH GRADE
*Architectural Design II (2)
*Autodesk AutoCAD
*Autodesk Revit

12TH GRADE
*Practicum in Architecture (2)

Workforce Dual Credit towards
Lone Star College
Architectural Design Level I Cert/
AAS Degree may be available on your
campus



9TH GRADE
Principles of Architecture (1)
OR
Principles of Manufacturing (1)
-related elective

10TH GRADE
Construction Technology I (2)
OSHA-10hr
*NCCER CORE

11TH GRADE
*Construction Technology II (2)
*NCCER Carpentry Level I
OR
*Mill & Cabinetmaking Technology (2)

12TH GRADE
*Practicum in Construction Tech (2)
*Other certs/training via Internships

9TH GRADE
Principles of Architecture (1)

10TH GRADE
Architectural Design I (1)

11TH GRADE
Interior Design (1)

12TH GRADE
*Architectural Design II (2)
*Autodesk AutoCAD
*Autodesk Revit

POTENTIAL OCCUPATIONS

Architectural/Civil Drafter
\$50,170

Geographic Info Analysts/Surveyor
\$58,926

Architect
\$77,043

Construction Manager
\$87,402

POTENTIAL OCCUPATIONS

Carpenter
\$41,680

Plumber/Pipefitter
\$44,928

Cost Estimator
\$63,939

Construction Manager
\$87,402

POTENTIAL OCCUPATIONS

Interior Designer
\$55,310

Corporate Designer
\$63,173

Architect
\$77,403

Construction Manager
\$87,402

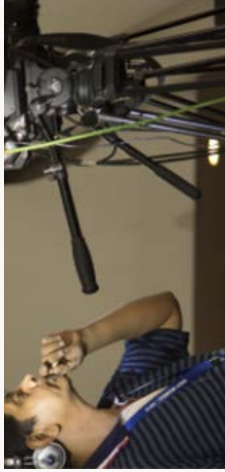
**ARCHITECTURE and CONSTRUCTION
Endorsement – Business & Industry**

Program of Study – A&C 1 – ARCHITECTURAL DRAFTING & DESIGN					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Principles of Architecture	84233	8-11	NONE		Highly recommended for all Programs of Study in Architecture & Construction; explore the fields of architecture, construction science & construction technology. Lab supply fee
Architectural Design I	81523	9-12	Prin of Architecture (<i>Geometry recommended</i>)		Explore the design, planning, & development of architectural drawings Lab supply fee
Architectural Design II (2 credits) Ⓐ	81623	11-12	Arch Design I	Autodesk Revit Autodesk AutoCAD \$\$ Ⓐ	Advanced design, design history, techniques, & tools related to the production of drawings, renderings, & scaled models for commercial or residential purposes Lab supply fee
Practicum in Architectural Design (2 credits) Ⓐ	83523?	12	Architectural Design I		Students are required to work 10 hours per week at an approved training site Lab supply fee
Workforce Dual Credit towards Lone Star College Architectural Design Level 1 Cert/AAS degree may be available on your high school campus					
Program of Study – A&C 2 – CONSTRUCTION					
Principles of Architecture	84233	8-11	NONE		Explore the fields of architecture, construction science & construction tech. Lab supply fee
Principles of Manufacturing <i>NOTE: This course may be used to gain background knowledge but will NOT count towards completing this program of study</i>	82023	8-11	NONE		Use hand tools, power tools, machinery, computer hardware & software applications Lab supply fee
Construction Technology I (2 credits)	83743	10-12	Prin of Arch OR Prin of Manufacturing	OSHA-10 and NCCER CORE Ⓐ	Skills in safety, tool and machine usage, building materials, codes, & framing Lab supply fee
Construction Technology II (2 credits) Ⓐ	83753	11-12	Construction Tech 1	NCCER Carpentry Lvl 1 (NCCER CORE required) Ⓐ	Advanced skills needed to enter the workforce or prepare for a postsecondary degree Lab supply fee
Mill & Cabinetmaking Tech (2 credits) Ⓐ	83823	10-12	Construction Tech 1		Mill work, cabinet making and installation Lab supply fee
Practicum in Construction & Tech (2 credits) Ⓐ	83763	12	Construction Tech 1	Other certs/training via internships	Required to work 10 hours per week at an approved training site Lab supply fee
Program of Study – A&C 3 – INTERIOR DESIGN					
Principles of Architecture	84233	8-11	NONE		Explore the fields of architecture, construction science & construction tech. Lab supply fee
Architectural Design I	81523	9-12	Prin of Architecture <i>Geometry recommended</i>		Explore the design, planning, & development of architectural drawings Lab supply fee
Interior Design	85543	10-12	<i>Prin of Arch recommended</i>		Basic principles and elements of design and construction Lab supply fee
Architectural Design II (2 credits) Ⓐ	81623	10-12	Architectural Design I	Autodesk Revit Autodesk AutoCAD \$\$ Ⓐ	Advanced design, design history, techniques, & tools related to the production of drawings, renderings, & scaled models for commercial or residential purposes Lab supply fee

Ⓐ= Advanced Course Ⓐ= Performance Acknowledgement
 Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

ARTS 1 – Digital Comm–Video



9TH GRADE
Principles of Arts, A/V Technology & Communication
**Adobe Photoshop*
OR
Digital Audio Tech I (1)

10TH GRADE
Audio/Video Production I (2)
**Adobe Premiere Pro*

11TH GRADE
*Audio/Video Production II (2)
**Adobe After Effects*

12TH GRADE
*Practicum in Audio/Video Production (2)
**FAA Remote Drone Pilot*

POTENTIAL OCCUPATIONS

Camera Operator
\$50,024

A/V Equipment Technician
\$40,581

Film and Video Editor
\$58,910

ARTS 2 – Digital Comm–Audio



9TH GRADE
Digital Audio Tech I (1)

10TH GRADE
Audio/Video Production I (2)
**Adobe Premiere Pro*

11TH GRADE
*Digital Audio Tech II (2)

12TH GRADE
*Practicum in Audio/Video Production (2)
**FAA Remote Drone Pilot*

POTENTIAL OCCUPATIONS

Sound Engineer
\$39,562

Camera Operator
\$50,024

A/V Equipment Technician
\$40,581

ARTS 3 – Graphic Design & Interactive Media



9TH GRADE
Digital Media (1)
**Adobe Photoshop*

10TH GRADE
Animation I (1)
Adobe Animate

11TH GRADE
*Animation II (2)
Autodesk Maya

12TH GRADE
*Practicum in Animation (2)
**Adobe After Effects*

POTENTIAL OCCUPATIONS

Graphic Designer
\$44,824

Multimedia Artists & Animator
\$67,392

ARTS 4 – Fashion Design



9TH GRADE
Digital Media (1)
**Adobe Photoshop*

10TH GRADE
Fashion Design (1)

11TH GRADE
*Fashion Design II (2)

12TH GRADE
*Project-based Research in Fashion Design (1)
-related elective

POTENTIAL OCCUPATIONS

Graphic Designer
\$44,842

Assistant Fashion Designer
\$40,000

Tailors, Dressmakers, Custom Sewer
\$32,640

Fashion Designer
\$75,810

ARTS, A/V TECHNOLOGY and COMMUNICATIONS
Endorsement – Business & Industry

Program of Study – ARTS 1 – DIGITAL COMMUNICATION – VIDEO					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Principles of Arts, AV Tech	06393	9-10	NONE	Adobe Photoshop \$	Equips students with essential knowledge & skills, ensuring they are well-prepared to excel in advanced courses
Digital Audio Technology I	06333	9-12	NONE		Produce professional audio; create projects with a DAW (Digital Audio Workstation) Lab supply fee
Audio/Video Production I (2 credits)	06313	10-12	<i>Recommended – Prin of Arts, AV Tech or Digital Audio Tech I</i>	Adobe Premiere Pro \$ (P)	Produce PSA's news, documentaries, commercials & promotions Lab supply fee
Audio/Video Production II (2 credits) (A)	06323	11-12	Audio/Video Production I	Adobe After Effects \$ (P)	Produce short films, music videos, movie trailers, TV shows, web series & more Lab supply fee
Practicum in Audio/Video Production (2 credits) (A)	06343	12	Audio/Video II OR Digital Audio Tech II	FFA Remote Drone Pilot \$\$\$\$ (P)	Work as contractors to produce videos for a wide variety of organizations. Required to work 10 hours per week at an approved training site. Lab supply fee
Program of Study – ARTS 2 – DIGITAL COMMUNICATION – AUDIO					
Digital Audio Technology I	06333	9-12	NONE		Produce professional audio; create projects with a DAW (Digital Audio Workstation) Lab supply fee
Audio/Video Production I (2 credits)	06313	10-12	<i>Recommended - Digital Media or Digital Audio Tech I</i>	Adobe Premiere Pro \$ (P)	Produce PSA's news, documentaries, commercials & promotions Lab supply fee
Digital Audio Tech II (A)	06353	11-12	Digital Audio Tech I <i>Recommended – A/V Production I</i>		Create productions beyond the campus level with actual clients in the industry Lab supply fee
Practicum in Audio/Video Production (2 credits) (A)	06343	12	Audio/Video II OR Digital Audio Tech II	FFA Remote Drone Pilot \$\$\$\$ (P)	Work as contractors to produce videos for a wide variety of organizations. Required to work 10 hours per week at an approved training site. Lab supply fee
Program of Study – ARTS 3 – GRAPHIC DESIGN & INTERACTIVE MEDIA					
Digital Media	54543	9-12	NONE	Adobe Photoshop \$ (P)	Design and create multimedia projects using Adobe Photoshop Lab supply fee
Animation I	54333	10-12	<i>Recommended – Digital Media</i>	Adobe Animate \$	Storyboarding, scripting/programming, interactivity, & Flip books Lab supply fee
Animation II (2 credits) (A)	54343	11-12	Animation I	Autodesk Maya \$	Orthographic & isometric drawing, framing, lighting, exaggeration, additive colors, layers, & transitions Lab supply fee
Practicum in Animation (2 credits) (A)	54443	12	Animation II	Adobe After Effects \$ (P)	Required to work 10 hours per week in an approved training site Lab supply fee
Program of Study – ARTS 4 – FASHION DESIGN					
Digital Media	54543	9-12	NONE	Adobe Photoshop \$ (P)	Design and create multimedia projects using Adobe Photoshop Lab supply fee
Fashion Design I	85343	10-12	NONE		Fashion, textiles, & the apparel industry Lab supply fee
Fashion Design II (2 credits) (A)	85353	11-12	Fashion Design I		Fashion figures, garment details & construction, fashion projects Lab supply fee
Project-based Research in Fashion Design (A) <i>Note: This course may be used as background knowledge but will NOT count towards completing this program of study</i>	85633	12	Fashion Design II		Utilize all advanced designing & sewing techniques in projects to create a professional look Lab supply fee

Related elective that may be taken *in addition to* any program of study in this field:

Professional Communications (1/2 credit)	06020	9-12	NONE		Develop effective interpersonal communication skills , prepare/present a variety of multi-media presentations
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(A) = Advanced Course (P) = Performance Acknowledgement
 Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

BUSINESS, MARKETING & FINANCE

BMF1 – Accounting & Financial Svcs



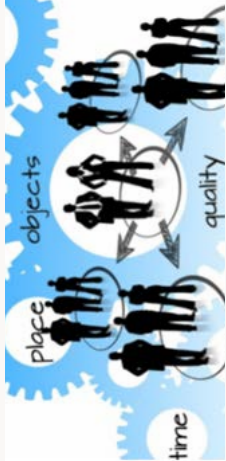
9TH GRADE
Principles of Bus/Mktg/Finance (1)
OR
Business Information Mgmt I (1)
*Microsoft Word/Excel/Access Expert
OR
Money Matters (1)

10TH GRADE
Accounting I (1)
*NOCTI Accounting Foundations

11TH GRADE
Accounting II K (1-math)
*Intuit QuickBooks Certified User

12TH GRADE
Securities & Investments (1)
OR
Practicum in Business Management (2)
*Microsoft Word/Excel/Access Expert

BMF 2 – Business Management



9TH GRADE
Principles of Bus/Mktg/Finance (1)
OR
Business Information Mgmt I (1)
*Microsoft Word/Excel/Access Expert

10TH GRADE
Business Information Mgmt I (1)
*Microsoft Word/Excel/Access Expert
OR
Business Information Mgmt II (1)
*Microsoft Word/Excel/Access Expert

11TH GRADE
Business Management (1)
OR
Global Business (0.5) & Human Resources Mgmt (0.5)

12TH GRADE
Practicum in Business Management (2)
*Microsoft Word/Excel/Access Expert

BMF 3 – Entrepreneurship



9TH GRADE
Principles of Bus/Mktg/Finance (1)

10TH GRADE
Business Information Mgmt I (1)
*Microsoft Word/Excel/Access Expert

11TH GRADE
Entrepreneurship (1)
*Entrepreneurship & Small Business

12TH GRADE
Practicum in Business Management (2)
*Microsoft Word/Excel/Access Expert
OR
Practicum in Marketing

BMF 4 – Marketing & Sales



9TH GRADE
Principles of Bus/Mktg/Finance (1)
OR
Digital Media (1)
*Adobe Photoshop

10TH GRADE
Sports & Entertainment Mktg I (0.5)
AND
Virtual Business (0.5)

11TH GRADE
Sports & Entertainment Mktg II (0.5)
& **Social Media Marketing (0.5)**
*STUKENT Social Media Mktg Cert
OR
Practicum in Marketing I (2)

12TH GRADE
Advanced Marketing (2)
OR
Practicum in Marketing I/II (2)
*Real Estate Agent License

POTENTIAL OCCUPATIONS

Accountants & Auditor
\$71,469

Loan Officer
\$68,598

Financial Advisor
\$86,965

Admin Service Manager
\$96,138

Insurance Underwriter
\$66,206

POTENTIAL OCCUPATIONS

Administrative Service Manager
\$96,138

General and Operations Manager
\$107,640

Supervisors of Support Worker
\$57,616

POTENTIAL OCCUPATIONS

Varies greatly based on area of industry

General and Operations Manager
\$107,640

Management Analyst
\$87,651

Manager, All Others
\$113,000

POTENTIAL OCCUPATIONS

Marketing Specialists & Analyst
\$70,346

Wholesale & Retail Buyer
\$51,106

Insurance Sales Agent
\$43,181

Supervisor of Sales Worker
\$72,550

Business, Marketing, & Finance
Endorsement – Business & Industry

Program of Study – BMF 1 – ACCOUNTING & FINANCIAL SERVICES					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Principles of Business, Marketing and Finance	51123	8-10	NONE		Global business, marketing of goods/services, advertising and product pricing, sales process, & financial management principles; provides the foundation for more advanced BMF courses Lab supply fee
Business Information Mgt. I (BIM I)	54623	8-12	<i>Recommended</i> – Touch System Data Entry	Multiple Microsoft Office Certs \$ Word Expert (P) Excel Expert Access Expert	Word processing, spreadsheets, multimedia presentations, databases, internet research, & emerging technologies Lab supply fee
Money Matters	53913	9-12	NONE		Fundamental principles of money & personal financial planning; bank record management, use of credit, investing, insurance, budgets, & financial markets & securities analysis Lab supply fee
Accounting I	52123	10-12	Geometry <i>Recommended</i> – Prin of Bus, Mkg, Fin	NOCTI Accounting Foundations \$ (P)	Complete accounting cycle, end-of-period statements, bank reconciliation, payrolls, & petty cash Lab supply fee
Accounting II K (1 Math credit) (A)	52253	11-12	Algebra II (<i>or concurrent</i>) AND Accounting I	Quickbooks Certified User \$\$ (P)	Corporate accounting & integrated financial analysis; vital for students planning to major in Finance or seeking an entry-level position in accounting Lab supply fee
Securities & Investments (A)	52923	11-12	<i>Recommended</i> – At least 1 Finance course		Students taking this course should also consider taking <i>Banking & Financial Services</i> Lab supply fee
Practicum in Business Mgt. I/II (2 credits) (A)	I – 53983 II- 58333	11-12	At least 1 credit in Bus, Mkg, & Fin	Multiple Microsoft Office Certs \$ Word Expert (P) Excel Expert Access Expert	Students required to work 10 hours per week in an approved training site Lab supply fee

(A) = Advanced Course

(P) = Performance Acknowledgement

Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

Business, Marketing, & Finance (continued)

Endorsement – Business & Industry

Program of Study – BMF 2 – BUSINESS MANAGEMENT					
Principles of Business, Marketing and Finance	51123	8-10	NONE		Global business, marketing of goods/services, advertising & product pricing, sales process, & financial management principles; provides the foundation for more advanced BMF courses Lab supply fee
Business Information Mgt. I (BIM I)	54623	8-12	<i>Recommended – Touch System Data Entry</i>	Multiple Microsoft Office Certs \$ Word Expert (P) Excel Expert Access Expert	Word processing, spreadsheets, multimedia presentations, databases, internet research, & emerging technologies Lab supply fee
Business Information Mgt. II (BIM II) (A)	54723	10-12	BIM I	Multiple Microsoft Office Certs \$ Word Expert (P) Excel Expert Access Expert	Advanced level of proficiency in word processing, spreadsheet, database & presentation applications that is expected in the world of business Lab supply fee
Global Business (1/2 credit)	52620	10-12	<i>Recommended – Prin of BMF</i>		Theories in trading and investing across national borders; students should also consider taking Virtual Business and/or Human Resources Mgt. Lab supply fee
Human Resources Mgt (1/2/ credit)	85120	11-12	<i>Recommended – Prin of BMF</i>		Recruitment, selection, training, development and compensation of employees Lab supply fee
Business Management (A)	53923	11-12	At least 1 credit in Bus, Mkg, & Fin		Legal, managerial, marketing, financial, ethical and international dimensions of business; strongly recommended for students wanting to own their own business Lab supply fee
Practicum in Business Mgt. I/II (2 credits) (A)	I- 53983 II- 58333	11-12	At least 1 credit in Bus, Mkg, & Fin	Multiple Microsoft Office Certs \$ Word Expert (P) Excel Expert Access Expert	Students required to work 10 hours per week in an approved training site Lab supply fee
Program of Study – BMK 3 - ENTREPRENEURSHIP					
Principles of Business, Marketing and Finance	51123	8-10	NONE		Global business, marketing of goods/services, advertising and product pricing, sales process, & financial management principles; provides the foundation for more advanced BMF courses Lab supply fee
Business Information Mgt. I (BIM I)	54623	8-12	<i>Recommended – Touch System Data Entry</i>	Multiple Microsoft Office Certs \$ Word Expert (P) Excel Expert Access Expert	Word processing, spreadsheets, multimedia presentations, databases, internet research, & emerging technologies Lab supply fee
Entrepreneurship	53523	10-12	<i>Recommended- Prin of BMF</i>	Entrepreneurship & Small Business \$\$\$ (P)	Skills needed to become an entrepreneur – analyzing a business opportunity, preparing a business plan, organizing & promoting the business, capital, return on investment, & potential for profit Lab supply fee
Practicum in Business Mgt. I/II (2 credits) (A)	I- 53983 II- 58333	11-12	At least 1 credit in Bus, Mkg, & Fin	Multiple Microsoft Office Certs \$ Word Expert (P) Excel Expert Access Expert	Students required to work 10 hours per week in an approved training site Lab supply fee
Practicum in Marketing I/II (2 credits) (A)	I – 53353 II – 53393	11-12	At least 1 credit in Bus, Mkg, & Fin	Real Estate Agent License (must be 18 to test) \$\$\$ (P)	Students required to work 10 hours per week in an approved training site Lab supply fee

(A) = Advanced Course

(P) = Performance Acknowledgement

Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

Business, Marketing, & Finance (continued)

Endorsement – Business & Industry

Program of Study – BMF 4 – MARKETING & SALES					
Principles of Business, Marketing and Finance	51123	8-10	NONE		Global business, marketing of goods/services, advertising and product pricing, sales process, & financial management principles; provides the foundation for more advanced BMF courses
Digital Media	54543	9-12	NONE	Adobe Photoshop \$ (P)	Design and create multimedia projects using Adobe Photoshop Lab supply fee
Sports & Entertainment Marketing I (1/2 credit)	53420	10-12	<i>Recommended-Prin of BMF</i>		Sponsorships, promotion/public relations, merchandising, advertising, sales & events
Virtual Business (1/2 credit)	52720	10-12	<i>Recommended-Prin of BMF</i>		Develop a website for a virtual business
Sports & Entertainment Marketing II (1/2 credit) (A)	52430	10-12	Sports & Entertainment Marketing I		Advanced marketing concepts – branding, sponsorships, endorsements, etc.
Social Media Marketing (1/2 credit) (A)	50220	10-12	<i>Recommended-Prin of BMF</i>	STUKENT Social Media (P)	Integrating social media tools in the overall marketing strategy
Advanced Marketing (2 credits) (A)	53363	11-12	At least 1 Marketing course (Sports & Entertainment Mktg or Social Media Mktg)		Advanced marketing principles & careers; the importance of entrepreneurship in our economy Lab supply fee
Practicum in Marketing I/II (2 credits) (A)	I – 53353 II – 53393	11-12	At least 1 credit in Bus, Mkg, & Fin	Real Estate Agent License (must be 18 to test) \$\$\$\$ (P)	Students required to work 10 hours per week in an approved training site Lab supply fee

Related elective that may be taken *in addition to* any program of study in this field:

Touch System Data Entry (1/2 credit)	51220	7-10			Develops keyboarding & formatting skills all students need for success in the workplace
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(A) = Advanced Course

(P) = Performance Acknowledgement

Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

EDUCATION & TRAINING

E&T 1 – Teaching & Training

E&T 2- Early Learning



9TH GRADE
Principles of Human Services (1-7th/8th gd)
OR
Principles of Education & Training (1)

10TH GRADE
Communication & Technology in Education (1)
OR
Child Development (1)

11TH GRADE
***Teacher Prep I (2-student teaching)**
**Seniors-see cert options in Teacher Prep II*

12TH GRADE
***Teacher Prep II (2-student teaching)**
**Educational Aide / Certification*
CFISD Letter of Intent to Interview

9TH GRADE
Principles of Human Services (1-7th/8th gd)
OR
Principles of Education & Training (1)

10TH GRADE
Child Development (1)

11TH GRADE
***Early Learning I (2-preschool)**
AHA CPR/First Aid
**Seniors - see cert options in Early Learning II*

12TH GRADE
***Early Learning II (2-preschool)**
**Educational Aide / Certification*
CFISD Letter of Intent to Interview

POTENTIAL OCCUPATIONS

CFISD Starting Salary in 2023-24
\$62,000

Statewide averages:

Elementary Teacher
\$58,009

Secondary Teacher
\$58,040

Special Education Teacher
\$60,536

POTENTIAL OCCUPATIONS

CFISD Starting Salary in 2023-24
\$62,000

Statewide averages:

Preschool Teacher
\$41,670

Kindergarten Teacher
\$57,763

Elementary Teacher
\$58,009

EDUCATION & TRAINING
Endorsement – Public Services

Note: Principles of Human Services (1 credit) taken in middle school may be used to fulfill Endorsement requirements for both Programs of Study

Program of Study – E&T 1 – TEACHING & TRAINING					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Principles of Education & Training	86423	9-11	NONE		Explore careers such as teaching, coaching, paraprofessional jobs, administrative, counseling, psychologist, social worker, & corporate trainer Lab supply fee
Communications & Technology in Education	85253	10-12	<i>Recommended</i> – Prin of Educ & Training or Prin of Human Services		Professional, ethical, & legal responsibilities in teaching related to educational technology as well as laws regarding classroom technology use Lab supply fee
Child Development	85233	10-12	<i>Recommended</i> – Prin of Educ & Training or Prin of Human Services		Child growth from prenatal through school-age children Lab supply fee
Teacher Prep I (2 credits) (A)	96423	11-12	<i>Recommended</i> – Prin of Educ & Training or Prin of Human Svs AND Comm & Tech in Educ or Child Dev	Educational Aide I (seniors) (P) CFISD Letter of Intent to Interview (seniors)	Work with children at a designated elementary school under the supervision of a teacher Background check required; Lab supply fee
Teacher Prep II (2 credits) (A)	96223	12	Teacher Prep I	Educational Aide I (P) CFISD Letter of Intent to Interview	Students assigned to an elementary and/or secondary “cooperating” school environment Background check required; Lab supply fee
Program of Study – E&T 2 – EARLY LEARNING					
Principles of Education & Training	86423	9-11	NONE		Explore careers such as teaching, coaching, paraprofessional jobs, administrative, counseling, psychologist, social worker, & corporate trainer Lab supply fee
Child Development	85233	10-12	<i>Recommended</i> –Prin of Human Services or Prin of Educ & Training		Child growth from prenatal through school-age children Lab supply fee
Early Learning I (2 credits) (A)	95923	11-12	<i>Recommended</i> –Prin of Human Services or Prin of Educ & Training AND Child Development	AHA Heartsaver CPR/First Aid Educational Aide I (seniors) (P) CFISD Letter of Intent to Interview (seniors)	Work with 3- & 4-year-old children in a preschool educational environment in the high school Background check required; Lab supply fee
Early Learning II (2 credits) (A)	96133	12	Early Learning I	Educational Aide 1 (P) CFISD Letter of Intent to Interview	Advanced skills in preschool program; students expected to produce a professional portfolio Background check required; Lab supply fee

NOTE: The following courses may be used to gain background knowledge in this area, but will not count towards completing these Programs of Study

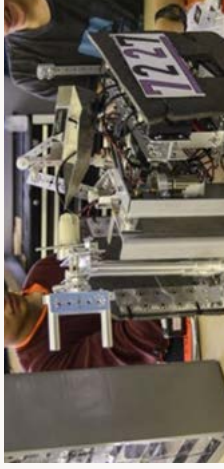
Lifetime Nutrition & Wellness (1/2 credit)	85720	10-12	<i>Recommended</i> –Prin of Hospitality & Tourism OR Prin of Human Svs OR Prin of Educ & Training OR Prin of Health Science		Nutrition, digestion, calories/metabolism, diet-related diseases, food allergies, safety and sanitation in food preparation
Interpersonal Studies (1/2 credit)	86020	10-12	<i>Recommended</i> –Prin of Hospitality & Tourism OR Prin of Human Svs OR Prin of Educ & Training OR Prin of Health Science		Study of how relationships significantly affect one’s quality of life; learn strategies that promote physical, emotional, intellectual and social development; beneficial for those interested in the areas of counseling & mental health as well as social work

(A) = Advanced Course (P) = Performance Acknowledgement
 Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

ENGINEERING (formerly STEM)

ENG 1 – Engineering Foundations

ENG 2 – Robotics



9TH GRADE
Principles of Applied Engineering (1)

10TH GRADE
Engineering Design & Presentation I (1)

11TH GRADE
*Engineering Design & Presentation II (1)
**Autodesk Inventor*

12TH GRADE
*Engineering Design & Problem Solving K (1-science)
OR
*Practicum in STEM (2)

9TH GRADE
Principles of Applied Engineering (1)
OR
Principles of Manufacturing (1)

10TH GRADE
Robotics I (1)

11TH GRADE
*Robotics II K (1-math)
**FANUC Robot Operator Level 1*

12TH GRADE
*Engineering Design & Problem Solving K (1-science)
OR
*Practicum in STEM (2)
OR
*Practicum in Manufacturing (2)

POTENTIAL OCCUPATIONS

Industrial Engineer
\$97,074

Mechanical Engineer
\$91,107

Chemical Engineer
\$112,819

Electrical Engineer
\$98,405

POTENTIAL OCCUPATIONS

Electro-Mechanical Assembler
\$30,160

Electro-Mechanical Technician
\$56,555

Industrial Machinery Mechanic
\$49,816

The STEM Academy for Automation, Robotics, and Computer Science is no longer being offered as a stand-alone program of study at only one location. Students interested in that industry field should take Computer Science I - IV and either the Engineering Foundations or the Robotics Program of Study at any CFISD high school.

ENGINEERING
Endorsement – STEM or Business & Industry

***** NOTE: Students must also complete Algebra II, Chemistry, & Physics or AP Physics I to satisfy STEM Endorsement**

Program of Study – ENG 1 – ENGINEERING/Endorsment - STEM					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Prin of Applied Engineering	84543	7-10	None		Provides overview of STEM field & various fields of engineering; computer graphics, modeling & presentations Lab supply fee
Engineering Design & Presentation I	81123	9-12	Principles of Applied Engineering		Use multiple software applications and tools necessary to produce working drawings, solid model renderings, and prototypes Lab supply fee
Engineering Design & Presentation II (2 credits) (A)	81143	10-12	Engineering Design & Presentation I	Autodesk Inventor \$\$ (P)	Develop design skills including those related to team-building, problem solving, project design & development Lab supply fee
Engineering Design & Problem-Solving K (1 Science credit) (A)	33913	11-12	Algebra II, Chemistry, Physics (or concurrent), Eng Design I, or Robotics II K		Use the engineering design process cycle to investigate, design, plan, create, & evaluate solutions Lab supply fee
Practicum in STEM (2 credits) (A)	84723	12	Engineering Design I or Robotics I		Required to work 10 hours per week at an approved training site Lab supply fee

Program of Study – ENG 2- ROBOTICS/Endorsement – STEM or Business & Industry					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Principles of Applied Engineering	84543	7-10	None		Provides overview of STEM field; computer graphics, modeling & presentation using a variety of computer hardware and software applications; explore various fields of engineering Lab supply fee
Principles of Manufacturing	82023	8-11	NONE		Students will use hand tools, power tools, machinery, computer hardware & software applications to design and complete projects Lab supply fee
Robotics I	84653	9-12	Prin of Applied Engineering <u>or</u> Prin of Manufacturing		Design & build prototypes or use simulation software to test designs Lab supply fee
Robotics II K (1 Math credit) (A)	84693	10-12	Robotics I	FANUC Robot Operator 1 \$\$ (P)	Artificial intelligence and programming in the robotic & automation industry Lab supply fee
Engineering Design & Problem-Solving K (1 Science credit) (A)	33913	11-12	Algebra II, Chemistry, Physics (or concurrent), Eng Design I, or Robotics II K		Use the engineering design process cycle to investigate, design, plan, create, & evaluate solutions Lab supply fee
Practicum in STEM (2 credits) (A)	84723	12	Engineering Design I or Robotics I		Required to work 10 hours per week at an approved training site Lab supply fee
Practicum in Manufacturing (2 credits) (A)	83323	12	Robotics, I, Diversified Manuf I, Precision Metal Manuf I, or Welding I		Students are required to work 10 hours per week at an approved training site Lab supply fee

(A) = Advanced Course

(P) = Performance Acknowledgement

Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

HEALTH SCIENCE

HSCI 1-Diagnostic & Therapeutic Services



9TH GRADE
Principles of Health Science (1)
AHA CPR/First Aid

10TH GRADE
Medical Terminology (1)

11TH GRADE
***Health Science Theory/Clinicals (2)**
*AHA Basic Life Support
OSHA 10-hr
Certified EKG Technician

OR

***Anatomy & Physiology K (1-science)
AND/OR
*Pathophysiology K (1-science)**

12TH GRADE
***Practicum in Health Science (2)**
**Certified Dental Assistant
*Certified Nursing Assistant
*Certified Pharmacy Technician
Emergency Medical Technician

POTENTIAL OCCUPATIONS

Medical Assistant

\$29,598

Pharmacy Technician

\$37,010

EMT

\$38,999

Surgical Technologist

\$45,032

LVN-Licensed Vocational Nurse

\$45,178

RN-Registered Nurse

\$68,682

Pharmacist

\$125,470

Physician & Surgeon

\$213,071

HEALTH SCIENCE
Endorsement – Public Services

Program of Study – HSCI 1 – DIAGNOSTIC & THERAPEUTIC SERVICES					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Principles of Health Science (1 Health credit)	94423	9-11	NONE	AHA Heartsaver CPR/First Aid	Designed for students interested in medical and associated health careers. Overview of the therapeutic, diagnostic, environmental, & informational systems of the health care industry
Medical Terminology	94323	10-12	<i>Recommended</i> – Prin of Health Science		Develop a working knowledge of the language of medicine
Health Science Theory/Clinicals (2 credits) (A)		11-12	Prin of Health Sci, AND Medical Terminology, AND Biology	AHA Basic Life Support CPR OSHA 10-Hour Certified EKG Tech \$\$\$\$ (P)	CPR, standard precautions, ethics of the medical field. Practice entry-level occupational skills in a clinical setting (hospitals or other medical-related agencies.) Lab supply fee
Anatomy & Physiology K (1 Science credit) (A)	34213	11-12	Biology & Chemistry <i>Recommended</i> – Prin of Health Sci AND Med Term		Understanding human body structure & function; lab-oriented & teaches proper dissection techniques Recommended for students pursuing an education in the medical field
Pathophysiology K (1 Science credit) (A)	33843	11-12	Biology & Chemistry <i>Recommended</i> – Prin of Health Sci , Med Term AND Anatomy & Physiology K (or concurrent with A & P)		Disease process and how humans are affected; emphasis is placed on prevention and treatment of disease
Practicum in Health Science (2 credits) (A)	94723 94623	12	Prin of Health Sci AND 1 health science related advanced course	Cert Nursing Assistant (CNA) or Registered Dental Assistant or EMT or Pharmacy Tech \$\$\$\$ (P)	Allows students to select & pursue a specialization & skills needed for specific certifications & licensure. Students are required to work 10 hours per week at an approved training site. Lab supply fee CNA & EMT also require enrollment at Lone Star College

NOTE: These courses may be used to gain background knowledge in his area, but will **NOT** count towards completing the Health Science Program of Study

Lifetime Nutrition & Wellness (1/2 credit)	85720	10-12	<i>Recommended</i> –Prin of Hospitality & Tourism OR Prin of Human Svs OR Prin of Educ & Training OR Prin of Health Science		Nutrition, digestion, calories/metabolism, diet-related diseases, food allergies, safety and sanitation in food preparation
Interpersonal Studies (1/2 credit)	86020	10-12	<i>Recommended</i> –Prin of Hospitality & Tourism OR Prin of Human Svs OR Prin of Educ & Training OR Prin of Health Science		Study of how relationships significantly affect one's quality of life; learn strategies that promote physical, emotional, intellectual and social development; beneficial for those interested in the areas of counseling & mental health as well as social work
Forensic Science K (1 Science credit) (A)	33813	11-12	Biology AND Chem <i>Recommended:</i> Prin of Health Science and Med Term		Terminology & investigative procedures related to processing a crime scene such as fingerprint analysis, ballistics, & blood spatter analysis

(A) = Advanced Course (P) = Performance Acknowledgement
 Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

HOSPITALITY & TOURISM

HOSP 1-Culinary Arts



8TH GRADE
Principles of Hospitality (1)

9th grade
Intro to Culinary Arts (1)
ServSafe Food Handler

10TH GRADE
Culinary Arts (2)
**Food Protection Manager*

11TH GRADE
***Advanced Culinary Arts (2)**
OR
***Food Science K (1-science)**

12TH GRADE
***Practicum in Culinary Arts (2)**
OR
***Advanced Culinary Arts (2)**

POTENTIAL OCCUPATIONS

Food and Beverage Manager
\$55,619

Chef and Head Cook
\$43,285

Food Science Technician
\$55,494

Food Service Manager
\$55,690

HOSPITALITY & TOURISM
Endorsement – Business & Industry

NOTE: Principles of Hospitality & Tourism (1 credit) taken in 8th Grade may be used to fulfill Endorsement/Program of Study requirements

Program of Study – HOSP 1 – CULINARY ARTS					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Introduction to Culinary Arts	86143	9-10	Recommended – Prin of Hospitality	ServSafe Food Handler <i>(This certification is required to continue in this program of study)</i>	Planning, organizing, staffing, directing and controlling the management of food service operations as well as food production and hospitality skills Lab supply fees
Culinary Arts (2 credits)	85923	10-12	Intro to Culinary AND ServSafe Food Handler Certification	Food Protection Manager \$\$ (P)	Fundamental skills in the art of cooking and the science of baking, including management and production skills and techniques Lab supply/uniform fee
Advanced Culinary Arts ** (A)	86153	11-12	Culinary Arts AND ServSafe Food Handler or ServSafe Food Manager or Food Protection Manager certification		Combines classroom instruction with actual business & industry career experiences; students are actually major participants in operating a restaurant and catering business Lab supply/uniform fee Students will take this course at Cy-Fair High School, Cypress Park High School, or Cypress Ridge High School
Food Science K (1 Science credit) (A)	33753	11-12	Culinary Arts AND 3 units of science (including Biology & Chemistry)		Study of the nature of foods, the causes of deterioration, the principles underlying food processing, & the improvement of foods for the consuming public Lab supply/uniform fee
Practicum in Culinary Arts ** (A)	86163	12	Culinary Arts AND ServSafe Food Handler or ServSafe Food Manager or Food Protection Manager certification		Gain additional real-world experience in a commercial kitchen Lab supply/uniform fee Students will take this course at their home campus Student must provide transportation to any off-campus work sites

****Declaration of Interest form may be required if demand exceeds capacity**

(A) = Advanced Course

(P) = Performance Acknowledgement

Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

HUMAN SERVICES

Humsvs 1-Cosmetology



7TH/8TH GRADE **Principles of Human Services (1)** **-related elective**

9th grade

(take courses to meet other graduation requirements giving capacity to take block courses in later grades)

10TH GRADE **Intro to Cosmetology (1)** *Cosmetology Permit*

11TH GRADE **Cosmetology I (2)**

12TH GRADE ***Cosmetology II (3)**

**Cosmetology Operator License*

POTENTIAL OCCUPATIONS

Shampooer
\$18,720

Manicurist and Pedicurist
\$21,715

**Hairdresser, Hairstylist, &
Cosmetologist**
\$26,400

**First-line Supervisor of Personal
Service Workers**
\$36,941

HUMAN SERVICES
Endorsement – Public Services

NOTE: Principles of Human Services taken in middle school may be used to gain background knowledge in the Human Service industries, but will **NOT** count towards completing this Program of Study

9th Grade – take courses to meet other graduation requirements giving capacity to take block courses in later grades

Program of Study – HUMSVS 1 – COSMETOLOGY					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Introduction to Cosmetology	94023	10 <i>(may be taken in 11th grade if concurrent with COS I)</i>	NONE	\$25 Permit fee is required and MUST be paid within 7 days of enrollment to remain in the class if this is a student's first course in Cosmetology \$	<i>This course is required for students who are interest in a career in Cosmetology; it also assists students who have an interest but are unsure this is the career path they wish to follow.</i> Hair styling/coloring, manicures, skin care, make up, and other aspects of the personal care service industry <i>Good attendance is necessary as students earn clock hours toward state licensing requirement of 1000 hours</i> Lab kit/uniform fee
Cosmetology I (2 credits)	95243	11	Intro to Cosmo (or concurrent)		2-hour block instructional lab course; integration of knowledge & skills designed to provide job-specific training for employment in cosmetology careers Attendance is critical to the earning of the monitored 1000 clock hours required to qualify for state licensing exam Lab kit/uniform fee
Cosmetology II (3 credits) Ⓐ	95263	12	Cosmetology I	Cosmetology Operator's License \$\$\$\$ Ⓟ	Provides the final advanced training needed for employment & to fulfill the 1000 clock hours required to qualify for state licensing exam Lab kit/uniform fee

Ⓐ = Advanced Course

Ⓟ = Performance Acknowledgement

Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

INFORMATION TECHNOLOGY

IT 1- Programming & Software Dev



8TH GRADE
Principles of Information Tech (1)

9TH GRADE
AP Computer Science Principles (1-LOTE)
*College Credit via AP Exam
OR
Computer Science I K (1-LOTE)

10TH GRADE
Computer Science I K (1-LOTE)
OR
Computer Science II K (1-LOTE)
*College Credit via AP Exam

11TH GRADE
***Computer Science III K (1-LOTE)**
*College Credit via AP Exam
OR
***Computer Science III K (1-LOTE)**
*IT Specialist-Java
*Oracle Java SE 8 Programmer
*Oracle Java SE 8 Programmer

12TH GRADE
***Computer Science III K (1-LOTE)**
*IT Specialist-Java
*Oracle Java SE 8 Programmer
OR
***Computer Science IV K (1)**

POTENTIAL OCCUPATIONS

Computer Network Architect
\$120,700

Computer Programmer
\$79,893

Software Developer
\$103,334

IT 2- Networking Systems



8TH GRADE
Principles of Information Tech (1)

9TH GRADE
Networking (1)
*CompTIA A+
*CompTIA IT Fundamentals

10TH GRADE
Computer Science I K (1-LOTE)

11TH GRADE
Internetworking Technologies I (1)
*CompTIA Network+
*IT Specialist - Networking

12TH GRADE
***Internetworking Technologies II (1)**
*Cisco CCNA
*CompTIA Server+

POTENTIAL OCCUPATIONS

Computer Network Architect
\$111,633

Computer Systems Analyst
\$87,568

Computer Network Support Specialist
\$68,037

IT 3 - Cybersecurity



8TH GRADE
Principles of Information Tech (1)

9TH GRADE
Networking
*CompTIA A+
*CompTIA IT Fundamentals

10TH GRADE
Computer Science I K (1-LOTE)
AND
Internetworking Technologies I (1)
*CompTIA Network+
*IT Specialist-Networking

11TH GRADE
***Internetworking Technologies II**
*Cisco CCNA
*CompTIA Server+

12TH GRADE
***Project-based Research in Networking**
*CompTIA Security+
AND/OR
***Practicum in Information Technology (2)**

POTENTIAL OCCUPATIONS

Information Security Analyst
\$118,700

Computer Systems Analyst
\$87,568

Network & Computer Systems Admin
\$96,090

IT 4- Web Development



8TH GRADE
Principles of Information Tech (1)

9TH GRADE
Computer Science I K (1-LOTE)
OR
Digital Media (1)
*Adobe Photoshop

10TH GRADE
Web Design (1)
*IT Specialist - HTML and CSS

11TH GRADE
***Web Game Development (1)**

12TH GRADE
***Project-based Research in Web Development (1)**

POTENTIAL OCCUPATIONS

Web Developer
\$67,912

Web Administrator
\$85,197

Software Developer
\$104,499

INFORMATION TECHNOLOGY

Note: Principles of Information Technology (1 credit) taken in 8th Grade may be used to fulfill Endorsement requirements for all Programs of Study

Program of Study – IT 1– PROGRAMMING & SOFTWARE DEVELOPMENT/Endorsement - STEM					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Computer Science Principles AP (1 LOTE Credit*)	26423	9-12	Algebra I	(Computer Science Principles AP Exam)	Introduce essential ideas of computer science and show how computing and technology can influence the world around you
Computer Science I K (1 LOTE Credit*)	26513	9-12	Algebra I		Computer programming; read and write small programs in Java
Computer Science II K (AP A exam prep) (1 LOTE Credit*) (A)	26583	10-12	Algebra II (or concurrent) AND Computer Science I K (or Geometry K & prior programming experience)	(Computer Science AP A exam)	Designed to cover the Computer Science AP A exam topics; object-oriented components in the language of Java will be stressed
Computer Science III K (1 LOTE Credit*) (A)	26523	11-12	Computer Science II K	Oracle Java SE 8 Programmer \$\$\$\$ (P) IT Specialist – Java \$\$\$ (P)	Builds upon topics such as object-oriented programming, inheritance & classes; advanced topics in preparation and alignment with college-level computer science
Computer Science IV K (A)	26533	11-12	Computer Science III K (or concurrent)		Supervised research study/project-based class

*Colleges & universities set their own entrance requirements. Consequently, a student should verify admission requirements with the specific university.

Program of Study – IT 2– NETWORKING SYSTEMS/Endorsment – Business & Industry or STEM					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Networking	54223	9-12	<i>Recommended</i> – Prin of Information Technology	COMPTIA IT Fundamentals and CompTIA A+ \$\$\$ (P)	Fundamentals of computer hardware/software; networking & security
Computer Science I K (1 LOTE Credit*)	26513	9-12	Algebra I		Computer programming; read and write small programs in Java
Internetworking Technologies I	82123	10-12	<i>Recommended</i> – Networking & Comp Sci I	COMPTIA Network + and IT Specialist Networking \$\$\$ (P)	Prepares students to install, operate, and trouble-shoot a home or small business enterprise branch network
Internetworking Technologies II (A)	85123	11-12	Internetworking Tech I	CompTIA Server + and Cisco CCNA \$\$\$ (P)	Prepares students to install, operate, and trouble-shoot a home or medium-size business enterprise branch network

*Colleges & universities set their own entrance requirements. Consequently, a student should verify admission requirements with the specific university.

(A) = Advanced Course

(P) = Performance Acknowledgement

Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

INFORMATION TECHNOLOGY (continued)

Note: Principles of Information Technology (1 credit) taken in 8th Grade may be used to fulfill Endorsement requirements for all Programs of Study

Program of Study – IT 3 – CYBERSECURITY/Endorsement – Business & Industry or STEM					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Networking	54223	9-12	<i>Recommended</i> – Prin of Information Technology	CompTIA IT Fundamentals and CompTIA A+ \$\$\$ (P)	Fundamentals of computer hardware/software; networking & security
Computer Science I K (1 LOTE Credit*)	26513	9-12	Algebra I		Computer programming; read and write small programs in Java
Internetworking Technologies I	82123	10-12	<i>Recommended</i> – Networking & Comp Sci I	CompTIA Network + and IT Specialist-Networking \$\$\$ (P)	Prepares students to install, operate, and troubleshoot a home or small business enterprise branch network
Internetworking Technologies II (A)	85123	11-12	Internetworking Tech I	CompTIA Server + and Cisco CCNA \$\$\$ (P)	Prepares students to install, operate, and troubleshoot a home or medium-size business enterprise branch network
Project-based Research in Networking: Cybersecurity (A)	85153	11-12	(Or concurrent) At least 2 technology courses with at least 1 being Networking or Internetworking Tech I	CompTIA Security + \$\$\$ (P)	Supervised research study project-based class; Projects will focus on either the Internet of Things or Cybersecurity
Practicum in Information Technology (2 credits) (A)	85133	12	(Or concurrent) At least 2 technology courses with at least 1 being Networking or Internetworking Tech I		Students are required to work 10 hours per week in an approved training site

*Colleges & universities set their own entrance requirements. Consequently, a student should verify admission requirements with the specific university.

Program of Study – IT 4– WEB DEVELOPMENT/Endorsement – Business & Industry					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Computer Science I K (1 LOTE Credit*)	26513	9-12	Algebra I		Computer programming; read and write small programs in Java
Digital Media	54543	9-12	NONE	Adobe Photoshop \$ (P)	Design and create multimedia projects using Adobe Photoshop
Web Design	26403	9-12	NONE	IT Specialist – HTML and CSS \$\$\$ (P)	Students will learn how to design, create, & Maintain web pages including campus pages on the district website
Web Game Development (A)	24503	10-12	Web Design		Advanced web page concepts & applications including JavaScript, Perl or MySQL
Project-based Research in Web Development (A)	83133	11-12	Web Game Development		Supervised research study/project-based class

*Colleges & universities set their own entrance requirements. Consequently, a student should verify admission requirements with the specific university.

(A) = Advanced Course

(P) = Performance Acknowledgement

Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

MANUFACTURING

MANUF 1 – Manufacturing Tech

MANUF 2 – Welding



<p><u>9TH GRADE</u> Principles of Manufacturing (1)</p> <p><u>10TH GRADE</u> Diversified Manufacturing I (1) <i>OSHA 10-hr</i></p> <p><u>11TH GRADE</u> *Diversified Manufacturing II (1) <i>*AWS D1.1 Structural Steel</i> OR *Precision Metal Manufacturing I (2)</p> <p><u>12TH GRADE</u> *Practicum in Manufacturing (1) OR *Precision Metal Manufacturing II (2) <i>*AWS D1.1 Structural Steel</i></p>

<p><u>9TH GRADE</u> Principles of Manufacturing (1)</p> <p><u>10TH GRADE</u> Welding I (2) <i>OSHA 10-Hour</i> <i>*AWS D1.1 Structural Steel</i></p> <p><u>11TH GRADE</u> *Welding II (2) <i>*AWS D1.1 Structural Steel</i> <i>*API Welding</i></p> <p><u>12TH GRADE</u> *Practicum in Manufacturing (2)</p>
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<p><u>POTENTIAL OCCUPATIONS</u></p> <p>Mechanical Engineering Technician \$57,117</p> <p>Production & Operating Technician \$53,109</p> <p>CNC Machine Operator \$39,250</p> <p>CNC Machine Programmer \$63,447</p>
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<p><u>POTENTIAL OCCUPATIONS</u></p> <p>Welder, Cutter, Solderer, or Brazer \$48,440</p>

MANUFACTURING
Endorsement – Business & Industry

Note: Principles of Manufacturing (1 credit) taken in 8th Grade may be used to fulfill Endorsement requirements for both Programs of Study

Program of Study – MANUF 1 - MANUFACTURING TECHNOLOGY					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Principles of Manufacturing	82023	8-11	NONE		Students will use hand tools, power tools, machinery, computer hardware & software applications to design and complete projects Lab supply fee
Diversified Manufacturing I	82343	9-12	Prin of Manufacturing	OSHA 10-hour	Application, design, production and assessment of products, services, and systems in manufacturing; mass production process Lab supply fee
Diversified Manufacturing II (A)	82353	10-12	Diversified Manufacturing I	AWS D1.1 Structural Steel \$\$ (P)	Advanced skills related to the manufacturing industry Lab supply fee
Precision Metal Manufacturing I (2 credits) (A)	82333	11-12	Diversified Manufacturing I		Provides necessary skills in precision machining; may also address a variety of materials such as plastics, ceramics, and wood Lab supply fee
Precision Metal Manufacturing II (2 credits) (A)	82383	12	Precision Metal Manufacturing I	AWS D1.1 Structural Steel \$\$ (P)	Provides necessary skills for employment in precision machining & a real-world foundation for any engineering discipline Lab supply fee
Practicum in Manufacturing (2 credits) (A)	83323	12	Diversified Manuf I, Precision Metal Manuf I, Robotics I <u>or</u> Welding I		Students are required to work 10 hours per week at an approved training site Lab supply fee
Program of Study – MANUF 2 - WELDING					
Principles of Manufacturing	82023	8-11	NONE		Students will use hand tools, power tools, machinery, computer hardware & software applications to design and complete projects Lab supply fee
Welding I (2 credits)	95723	9-12	<i>Recommended</i> – Prin of Manuf <u>or</u> Ag Mechanics & Metal Tech	OSHA 10-Hour AWS D1.1 Structural Steel \$\$ (P)	Entry-level skills in welding trades; hand & power tools, welding on various types of metals, reading blueprints, metal characteristics, equipment set-up Lab supply fee
Welding II (2 credits) (A)	95743	10-12	Welding I	AWS D1.1 Structural Steel API Welding \$\$ (P)	Training for employment with advanced skills in Welding Lab supply fee
Practicum in Manufacturing (2 credits) (A)	83323	12	Welding I, Diversified Manuf I, Precision Metal Manuf I, <u>or</u> Robotics I	\$\$ (P)	Students are required to work 10 hours per week at an approved training site Lab supply fee

(A) = Advanced Course (P) = Performance Acknowledgement
 Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

TRANSPORTATION, DISTRIBUTION & LOGISTICS

TRANS 1 – Automotive Technician



9th grade
Automotive Basics (1)
Safety & Pollution Prevention(S/P2)

10TH GRADE
Automotive Technology I (2)
Safety & Pollution Prevention(S/P2)
and
*Automotive Service Excellence
Entry Level (ASE)

11TH GRADE
***Automotive Technology II (2)**
Safety & Pollution Prevention(S/P2)
and
*Automotive Service Excellence
Entry Level (ASE)

12TH GRADE
***Practicum in Transportation (3)**
Safety & Pollution Prevention(S/P2)
and
*Automotive Service Excellence
Entry Level (ASE)

POTENTIAL OCCUPATIONS

**Automotive Service Technician &
Mechanics**
\$45,520

TRANSPORTATION
Endorsement – Business & Industry

Program of Study – TRANS 1 – AUTOMOTIVE TECHNICIAN					
Course Title	Course #	Grade Level(s)	Prerequisites	Certification (Cert Fee \$)	Description
Automotive Basics <i>Note: Should not be taken concurrently with or after Automotive Technology I</i>	93943	9-12	NONE	Safety & Pollution Prevention (S/P2)	Basic repair, maintenance and servicing of vehicle systems Lab supply fee
Automotive Technology I (2 credits)	93953	10-12 <i>(Priority to 11th grade)</i>	NONE	Safety & Pollution Prevention (S/P2) Multiple entry level Automotive Service Excellence (ASE) certs \$\$ (P)	Repair, maintenance, diagnosis of vehicle systems; training for entry-level employment in the automotive technician career field Lab supply fee
Automotive Technology II (2 credits) (A)	93963	11-12	Automotive Technology I	Safety & Pollution Prevention (S/P2) Multiple entry level Automotive Service Excellence (ASE) certs \$\$ (P)	Specific training for employment in the automotive technician career field Lab supply fee
Practicum in Transportation Systems (3 credits) (A)	93813	12	Automotive Technology I	Safety & Pollution Prevention (S/P2) Multiple entry level Automotive Service Excellence (ASE) certs \$\$ (P)	Required to work 10 hours per week at an approved training site

(A) = Advanced Course

(P) = Performance Acknowledgement

Certification Fees: \$ = \$25 or less; \$\$ = \$50 or less; \$\$\$ = \$110 or less; \$\$\$\$ = \$111 or more (this does not include lab fees)

Additional Courses Available

If you have space available in your 4-Year Plan AFTER fulfilling your endorsement requirements, you may want to consider including:

- ❖ Additional courses in any of the 4 core academic areas (English, Math, Science, Social Studies)
- ❖ Additional courses from your Endorsement area
- ❖ Any of the courses listed below

Course Title	Course #	Grade Level (s)	Description
Professional Communications (.5 credit)	06020	9-12	Develop effective interpersonal communication skills
Touch System Data Entry (Keyboarding) (.5 credit)	51220	9-10	Develop keyboarding & formatting skills needed for success in the workplace
LeadWorthy (.5 credit)	60220	9-12	Activity-oriented course designed to develop personal responsibility, leadership, and professional skills through explicit social-emotional participatory learning experiences
Photojournalism (.5 credit)	08620	9-12	Introduces the world of photography and journalism; must have your own digital camera
Principles of Education & Training	86423	9-11	Basic knowledge and skills needed for a career in education
Lifetime Nutrition & Wellness (.5 credit)	85720	9-11	9th graders may enroll after taking Principles of Human Services or Principles of Hospitality & Tourism in middle school Nutrition, digestion, calories/metabolism, diet-related diseases, food allergies, safety & sanitation in food preparation
Automotive Basics	93943	9-11	Basic repair, maintenance and servicing of vehicle systems
Business Information Management I	54623	9-12	Word processing, spreadsheets, multimedia presentations, databases, internet research, & emerging technologies
Journalism I	08123	9-12	Required prerequisite for Adv. Journalism I – Yearbook or Adv. Journalism I - Newspaper Writing, technology, visual, and electronic media are used as tools for learning as students produce effective communications
Debate I	06513	9-12	Required prerequisite for Debate II-IV Study current events and logic while preparing and presenting arguments on a variety of controversial issues; participation in competitive speech and debate events is required
Intro to Cosmetology	94023	9-11	Hair style, manicures, skin care, make up, and other aspects of the personal care service industry
Digital Media	54543	9-12	Design and create multimedia projects using Adobe Photoshop; potential for certification
Money Matters	53913	9-12	Bank record management, credit cards, investing, insurance and budgets
Team Sport Officiating (.5 credit)	60050	10-12	Learn rules & UIL officiating mechanics for selected team sports
Child Development	85233	10-12	Child growth from prenatal through school-age children
Creative & Imaginative Writing (.5 or 1 credit)	09520 09523	10-12	Develop increased skill, creativity, and versatility as writers
ACT/SAT Prep (.5 credit)	00370	11-12	Prerequisite: Completion of or concurrent enrollment in Algebra II Provides students with strategies for college entrance exams
African-American Studies	14213	10-12	Focus on the historical and cultural contributions of African-Americans
Mexican-American Studies	14113	10-12	Focus on the historical and cultural contributions of Mexican-Americans
Psychology (.5 credit) <u>or</u> Psychology AP (.5 credit)	13620 13650	11-12	Understanding the concept of human behavior, theories of personality, human growth & development
Sociology (.5 credit)	13420	11-12	Understanding of self and the society in which one lives
Street Law (.5 credit) <u>or</u> (1 credit)	13720 13723	11-12	Court structure, criminal procedure, civil rights & other legal issues; criminal law one semester & civil law the other semester
World Area Studies K or H (.5) <u>or</u> (1 credit)	14010 14113	11-12	Study of geography, culture, history, politics, and economic development of selected regions
PALs I PALs II	60023 60123	11-12	Peer Assistance & Leadership program; work as a peer mentor with elementary, middle & high school age youth; effective training in resiliency strategies. Application required
College Readiness & Study Skills (.5 credit)	00340	12	Open to students who plan to attend post-secondary education; designed to help students transition into the post-secondary environment

MIDDLE SCHOOL COURSES FOR HIGH SCHOOL CREDIT

Course	Credit	Endorsement	Option #	Graduation Requirement	Notes
Algebra I	1.0	STEM	3-Math	Yes	See note below *
Art I	1.0	Arts & Humanities	3-Fine Arts/ Combo	Fine Arts	On-level credit; WILL be included in the high school GPA calculation
French I & II	1.0 each	Arts & Humanities	2-LOTE/LOTE combo	Yes	Must earn 2 credits in the same Foreign Language
Spanish I & II	1.0 each	Arts & Humanities	2-LOTE/LOTE Combo	Yes	Must earn 2 credits in the same Foreign Language
Spanish for Native Speakers I, II, & III K	1.0 each	Arts & Humanities	2-LOTE/LOTE Combo	Yes	Must earn 2 credits in the same Foreign Language
Chinese I & II	1.0 each	Arts & Humanities	2-LOTE/LOTE Combo	Yes	Must earn 2 credits in the same Foreign Language Note: Course availability varies by campus
Professional Communications	.5	Business & Industry	1-Arts, A/V, Technology		
Intermediate Speech	.5				Professional Communications credit earned if full year course completed
Touch System Data Entry (Keyboarding)	.5	Business & Industry	1-Business, Marketing & Finance		
Business Information Management I (BIM I)	1.0	Business & Industry	1-Business Marketing & Finance		
Principles of Applied Engineering	1.0	STEM	2-CTE/Engineering		
Principles of Architecture	1.0	Business & Industry	1-Architecture & Construction		
Principles of Business, Marketing, & Finance	1.0	Business & Industry	1-Business, Marketing & Finance		
Principles of Hospitality & Tourism	1.0	Business & Industry	1-Hospitality & Tourism		
Principles of Human Services	1.0	Public Services	1-Education & Training		
Principles of Information Technology	1.0	Business & Industry	1-Information Technology		
Principles of Manufacturing	1.0	Business & Industry	1-Manufacturing		

NOTE: All of these courses, which carry on-level weight, will count for credit only and shall be excluded in the high school GPA calculation.

Art I is an exception – this on-level class WILL be included in the high school GPA calculation.

*Algebra I taken at any time will carry **on-level** grade points. If a student takes Algebra in 8th grade, the Algebra I course will be included in the student's high school GPA calculation only if he/she does **NOT** take 4 math courses in high school.

If a student successfully completes a high school K-level course (such as Geometry K or Spanish for Native Speakers III K), they will earn both credit and appropriate grade points that will be included in the high school GPA.

◆ Cypress-Fairbanks ISD ◆
High School Four-Year Plan – Foundation High School Program + Endorsement

CAREER GOAL: _____

Student Name: _____

Student ID: _____ Grade: _____

Current Campus: _____ Next Year Campus: _____

ENDORSEMENT	OPTION	PROGRAM OF STUDY (if applicable)

- High School Credits earned in Middle School: _____
- Programs in which you plan to participate (Sports, Fine Arts, etc.): _____

Pds	9 th Grade	10 th Grade	11 th Grade	12 th Grade
1	English I – 01123 English I K - 01013 English I H - 01063	English II - 02123 English II K - 02013 English II H - 02063	English III - 03123 English III K - 03013 English III K/DC - 03083 English III H/DC - 03093 English III AP - 03053 English III H/AP - 03063	English IV - 04123 English IV K - 04013 English IV K/DC - 04023 (13011/1302 Lone Star) English IV AP - 04043 English IV H/AP - 04063 English IV AP/DC - 04053 (2322/2323 Lone Star) English IV H/AP/DC - 40473 (2322/2323 Lone Star)
2	Math: _____ Level _____ Course # _____	Math: _____ Level _____ Course # _____	Math: _____ Level _____ Course # _____	Math: _____ Level _____ Course # _____
3	Biology – 31123 Biology K – 31013 Biology H - 31063 (World History/Geography/or Elective)	Science: _____ Level _____ Course # _____ (World History/Geography/or Elective)	Science: _____ Level _____ Course # _____	Science: _____ Level _____ Course # _____
4	_____ (Course #) Health (½) Course # 46120	_____ (Course #)	US History – 10123 US History K – 10313 US History AP – 10353 US History H/AP - 10363 US History DC - 10253 US History H/DC - 10263	Govt - 14120 Govt K-14210 Govt DC-14550 Govt H/DC-14560 Govt AP-14250 Govt H/AP-14260 Macro Eco AP-15050 Macro Eco H/AP-15060 Macro Eco AP/DC-15070 Macro Eco H/AP/DC-15080
5	PACE (½) Course # 00120 or _____ (½) (Course #)	_____ (Course #)	_____ (Course #)	_____ (Course #)
6	_____ (Course #)	_____ (Course #)	_____ (Course #)	_____ (Course #)
7	_____ (Course #)	_____ (Course #)	_____ (Course #)	_____ (Course #)

Alternate Electives for 9th Grade: 1. _____ 2. _____

Parent Signature _____

Date _____

