



# **Hempstead High School**

COURSE CATALOG

**2022-2023**

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# Graduation Plans

Students graduating from a Texas High School must complete graduation requirements outlined by the state and receive a passing score on five End of Course (EOC) Exams, including Algebra I, Biology, U.S History, English I, and English 2. Each student will graduate under one of the graduation plans. All students start under the Foundational High School Program (FHSP) with Endorsement. High school courses taken in middle school will earn credit toward graduation.

The state legislature amended the current admission eligibility requirements for students applying to any four-year public education institution. Only applicants who have completed the Foundation Plan with Endorsement or Distinguished Level of Achievement are eligible to apply for admission to a four-year Texas institution. This requirement also applies to students eligible for automatic admission by graduating in the top ten percent of their class. This law also states that higher learning institutions shall admit any applicant who is the child of a public servant killed or having sustained a fatal injury in the line of duty. Applicants need to meet the minimum requirements of the institution.

A student may choose to graduate under the Foundation High School plan without an endorsement. In that case, the student must attend a meeting with the counselor and a parent/guardian to discuss post-secondary impacts.

## High School Graduation Requirements

**Foundation High School Plan (FHSP)** – 22 credits + \*\*\*1.5 local credits= 23.5 total credits\*

- (4) English
- (3) Math - including Algebra and Geometry
- (3) Science - including Biology and one of the following: Chemistry, Physics, Principles of Physics, or IPC
- (3) Social Studies - including US History, Government and Economics, and either World Geography or World History
- (2) Languages Other Than English - 2 credits of the same language
- (1) Fine Arts
- (1) Physical Education – Athletics or Marching Band can substitute for PE
- (1) Technology\*\*\*
- (.5) Personal Financial Literacy\*\*\*
- (5) Electives

**Foundation High School Plan (FHSP) with Endorsement** – 26 credits + \*\*\*1.5 local credits= 27.5 total credits

- (4) English
- (4) Math - including Algebra and Geometry
- (4) Science - including Biology and one of the following: Chemistry, Physics, Principles of Technology, or IPC
- (3) Social Studies - including US History, Government and Economics, and either World Geography or World History
- (2) Languages Other Than English - 2 credits of the same language
- (1) Fine Arts
- (1) Physical Education – Athletics or Marching Band can substitute for PE
- (1) Technology\*\*\*
- (.5) Personal Financial Literacy\*\*\*
- (7) Electives

**Foundation High School Plan (FHSP) with Endorsement and Distinguished Level of Achievement** – 26 credits + \*\*\*1.5 local credits= 27.5 total credits

- (4) English
- (4) Math - including Algebra, Geometry, and Algebra II
- (4) Science - including Biology and one of the following: Chemistry, Physics, Principles of Technology, or IPC
- (3) Social Studies - including US History, Government and Economics, and either World Geography or World History
- (2) Languages Other Than English - 2 credits of the same language
- (1) Fine Arts
- (1) Physical Education – Athletics or Marching Band can substitute for PE
- (1) Technology\*\*\*
- (.5) Personal Financial Literacy\*\*\*
- Electives

*\*Foundation High School Plan (FHSP) is the minimum requirement to graduate from a Texas High School. Students may not consider this plan until both their 16<sup>th</sup> birthday and the completion of 10<sup>th</sup> grade.*

*\*\* Some endorsements require more than the credits listed above. For more information on endorsements and performance acknowledgments, see pages 4-5.*

*\*\*\* Required Local Credit Courses*

# Endorsement Areas

Business and Industry	Public Service	Arts and Humanities	STEM	Multidisciplinary
Animal Science, Plant Science, Ag Mechanics, Veterinary Medicine, Digital Communications, Business Information, and Management, Accounting, HVAC Technologies	Teaching and Training, Health Science	Theatre, Band, Art, Spanish, World Languages	Advanced Mathematics, Advanced Science	Four(4) credits in the four core subjects are the default endorsement for all students unless they choose something different.

An endorsement is a pathway a student has chosen for their coursework in high school. All students default to the Multidisciplinary endorsement to begin their high school career. Students are free to visit with their counselor and choose a different endorsement if they prefer. We encourage Multidisciplinary because colleges and universities expect to see these courses on a student’s transcript. The chart below outlines the course requirements for earning each endorsement.

## STEM Endorsement Course Requirements

Science, Technology, Engineering, and Math – requires Algebra II, Chemistry, and Physics; students must complete all other graduation requirements and either:

- A coherent sequence of four or more CTE credits, including at least one advanced CTE course and a course that is the third level or higher course in a sequence; or
- Three credits in math by completing Algebra I and two additional math credits for which Algebra II is a prerequisite: or
- Four credits in science by completing Chemistry, Physics and two additional science courses; or
- Algebra II, Chemistry, Physics, and a coherent sequence of three additional credits from no more than two disciplines represented by the options listed above

## Business and Industry Endorsement Course Requirements

Students must complete all graduation requirements plus either:

- A coherent sequence of courses for four or more CTE credits includes at least two courses in the same career cluster and an advanced CTE course. The courses may be selected from a list of career development or CTE innovative courses approved by the commissioner of education, but the final course in the sequence must be obtained from one of the career clusters relating to Agriculture, Food, and Natural Resources; Architecture and Construction; Arts, Audio/Video Technology, and Communications; Business Management and Administration; Finance; Hospitality and Tourism; Information Technology; Manufacturing; Marketing; Transportation, Distribution, and Logistics; Career Prep I or II and Problems and Solutions if the course addresses a career from a field listed above; or
- Four English elective credits to include three levels in public speaking, debate, advanced broadcast journalism, advanced newspaper journalism, or advanced yearbook journalism: or
- Four technology application credits selected from a list: or
- A coherent sequence of four credits from the above options.

## Public Services Endorsement Course Requirements

A student earning a public services endorsement must complete all other graduation requirements and a coherent sequence of four or more credits in CTE with at least two credits from the same career cluster, and at least one advanced CTE course, which includes any course that is the third or higher course in a sequence. The final course must be obtained from a CTE career cluster relating to Education and Training; Government and Public Administration; Health Science; Human Services; or Law, Public Safety, Corrections, and Security); Career Prep I or II and Problems and Solutions if the course addresses a career from a field listed above

## Arts and Humanities Endorsement Course Requirements

A student earning an arts and humanities endorsement must complete all other graduation requirements and either:

- Five social studies courses; or
- Four levels of the same language other than English; or
- Two levels of the same language other than English and two levels of a different language other than English; or
- A coherent sequence of four credits, selecting courses from one or two categories or disciplines in fine arts

**Multidisciplinary Endorsement Course Requirements**

A student earning a multidisciplinary studies endorsement must complete all other graduation requirements and either:

- Four advanced courses that prepare a student to successfully enter the workforce or postsecondary education without remediation from within one endorsement area or among multiple endorsement areas that are not in a coherent sequence: or
- Four credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics: or
- Four credits in Advanced Placement, International Baccalaureate, or dual credit selected from English, math, science, social studies, economics, languages other than English, or fine arts.

**Performance Acknowledgements**

A student may earn a performance acknowledgment on their transcript for outstanding performance in one or more of the following ways:

College Credit	AP Test	Bilingualism	Standardized Testing	Certificate/License
Complete at least 12 hours of college academic courses, including dual credit with at least a 3.0	Earn a score of 3+ on an AP exam	Demonstrate proficiency in two or more languages AND 3 credits in the same language, complete a level IV course with an 80, or earn a three or higher on an AP exam for a language other than English	A student is recognized as a National Merit Finalist, Commended or Hispanic Scholar on the PSAT, earns 1310 on the SAT, or 28 on the ACT.	Earn a nationally recognized business or industry certification

**Required State Assessments for Graduation (STAAR)**

Students will take the State of Texas Assessments of Academic Readiness (STAAR) exam at the end of English I, English 2, Algebra I, Biology, and U.S. History. A student must achieve at least “approaches grade level” on each exam to graduate. Retest opportunities are available in spring, summer, and fall for students who do not pass their exams.

Remediation opportunities are provided for each retest opportunity. Specific substitute assessments are allowed: Advanced Placement exams, PSAT, ACT, and SAT scores may be used in place of failing STAAR scores. Details are available in the counseling office. SB149 allows students who have not passed all their exams to qualify for an Individual Graduation Committee during their Senior year. To be considered for an Individual Graduation Committee, students must complete several requirements. English Language Learners who use the English I special provision must count that assessment as one of their failed assessments.

**Early Graduation**

To pursue early graduation, a student must meet with a counselor and have the approval of a parent and principal. Specific details about early graduation are available in the counseling office.

**Student Classification**

**Freshman:** promoted from 8th-grade

**Sophomore:** completed five (5) credits, including Algebra I and English I

**Junior:** completed ten (10) credits

**Senior:** completed fifteen (15) credits. This classification is based on the number of credits completed.

### Course Requests / Schedule Changes

Students need to select courses based on their graduation plan. The choices made during course selection determine the creation of the master schedule. The master schedule is designed to maximize choices for students and minimize scheduling conflicts. Students should choose their alternate courses carefully since they may be used if a course request does not fit in the master schedule or does not have enough students to be offered in the final master schedule. Courses offered are subject to interest and staffing.

Students in 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> grade will meet with their counselor individually to choose their courses for the following year. Students in 8<sup>th</sup> grade will meet individually with one of the secondary counselors to plan their high school courses.

**Course requests will be final on June 1, 2022.** After this, requests for changes may be considered based on course availability. Students concerned about any course request should sign up to see a counselor **before the June 1 deadline**. A request to change a course will likely change the student's entire schedule. HISD will not overload classes to make schedule changes.

### Level Change Procedures-

For students enrolled in Advanced or Advanced Placement courses, the following guidelines will need to be met for a level change:

- (1) the parent and the student will communicate with the teacher about problems being experienced in the class;
- (2) at semester, a student can change from an advanced to a lower level of the same course;
- (3) for a year-long course, the level change must occur by the end of the 5<sup>th</sup> week of school, or the student will remain in the class until the end of the first semester. For a one-semester course, it is recommended that the change occurs by the end of the third week; however, a level change may occur up to the above deadline under special situations
- (4) grades from the dropped upper-level course will be carried into the added lower-level course;
- (5) when a student exits a course (not a level change) after twenty class days during a semester, a semester grade of WP (withdrawn passing) or WF (withdrawn failing) is recorded for that course. If changing from a lower level to a higher-level course, grades from the lower level will NOT transfer. Students must make up all work and assessments previously completed in the upper-level course.

### Waiver Process

Suppose a student wants to register for a class other than the one recommended by their current teacher. In that case, a parent must submit a request before the schedule change deadline. Questions can be answered in the counseling office.

### Special Requirements and Restrictions for Physical Education/Activity courses

1. A student dropped from an athletic program during the semester will be enrolled in a regular physical education class for the remainder of the semester.
2. Based upon the physical activities involved in marching band during the fall semester, students may use these activities as a substitution for the required units of physical education.
3. The campus homebound teacher will deliver a modified physical education curriculum if a student's health warrants a homebound placement.

### High School Courses in Middle School

HISD may offer 7<sup>th</sup> and 8<sup>th</sup>-grade courses that count for high school credit. Students who take these courses must meet all the required prerequisites. These courses will be reflected on the student's high school transcript.

### Transfer Students

A student transferring into the District from an accredited school will receive the numerical grade earned in that school's courses. The District shall assign a weight to those grades based on the District's categories and grade weight system. Pass/Fail grades will count toward credit but will not be calculated in the students' GPA or Class Rank. Students from other countries will receive Ps for passing appropriate courses. Letter grades will be converted as follows:

A+ = 100	A = 95	A- = 90
B+ = 89	B = 85	B- = 80
C+ = 79	C = 77	C- = 75
D+ = 74	D = 72	D- = 70
	F = 69	

### **Credit by Exam**

Credit by Exam through Texas Tech University is offered four times per year. For acceleration, students must earn at least an 80 to receive credit for the course. Students must earn at least a 70 to recover credit for a course. Students who desire to take a credit by exam during the school year should contact their campus counselor to complete the registration process. Testing is scheduled individually. For more information, please reach out to the counseling office.

### **Summer School**

Courses are offered in the summer for credit recovery. Details about summer school are released in late spring each year. Contact the school counselor for questions regarding what courses to sign up for.

### **Minimum Course Load**

All students are required to enroll in seven classes (or equivalent) each semester with the following exceptions:

- (1) Students enrolled in vocational cooperative training programs must be enrolled in at least two other courses each semester.
- (2) Fifth-year seniors graduating at mid-term may take a minimum of two classes
- (3) Seniors may take a total of two periods of no credit. Freshmen, Sophomores, and Juniors may take only one period of no credit.

### **Working During School Hours**

Students may be employed during school hours only if enrolled in Career Preparation I or Career Preparation II. Because employment is a required component of the programs, these programs are only open to juniors and seniors. Career preparation training programs are designed to provide occupationally specific training. The training is planned and supervised cooperatively by the school and employers. A student is required to work 15 hours per week. If not scheduled for a class, the student must be off-campus.

### **Dual Credit**

Students may obtain college credit and high school credit simultaneously under an agreement with Blinn College and Hempstead ISD. Blinn and/or HISD faculty teach the courses on the high school campuses. To be enrolled in a dual credit course, students must be a junior or senior, pass the TSIA2 test (or exempt TSI with the following scores: ACT (19 in English with a 23 composite), SAT (480 in EBRW and 530 Math) or qualify via the Blinn EOC/PSAT waiver and pay the required tuition to Hempstead ISD before the course begins. Deadlines will be STRICTLY enforced. **Students are required to pay \$90 per course.** Students needing assistance with tuition should speak to the counselor's office. Students may not be enrolled in more than 3 dual credit classes during a single semester.

*The following courses are approved for dual credit enrollment:*

- English III (Blinn English 1301, 1302) – 1 high school credit; 6 hours college credit
- English IV (Blinn English 1301, 1302) – 1 high school credit; 6 hours college credit
- English IV (Blinn English 2322, 2323) – 1 high school credit; 6 hours college credit
- US History (Blinn History 1302, 1302) - 1 high school credit; 6 hours college credit
- Economics (Blinn Macroeconomics 2301) – ½ high school credit; 3 hours college credit
- Government (Blinn Government 2305) – ½ high school credit; 3 hours college credit
- Psychology (Blinn Psychology 2301) – ½ high school credit; 3 hours college credit
- Sociology (Blinn Sociology 1301)– ½ high school credit; 3 hours college credit
- College Algebra (Blinn Math 1314) – ½ high school credit; 3 hours college credit
- Business Math (Blinn Math 1324) – ½ high school credit; 3 hours college credit
- Plane Trigonometry (Blinn Math 1316) – ½ high school credit; 3 hours college credit
- Medical Terminology (Blinn HITT 1305) – 1 high school credit; 3 hours college credit
- Principles of Management (Blinn BMGT 1327) -1 high school credit; 3 hours college credit

Each student is responsible for ensuring the Blinn College credits will be accepted at the college of their choice. For more information on Dual Credit courses, please contact the high school counselor.

### **Advanced Placement Classes**

AP courses are designed to challenge students with college-level curriculum and rigor. In May, students will have the opportunity to take the College Board Advanced Placement test(s) to earn college credit. ETS scores the test. Exam scores range from 1 to 5. Students making a test grade of 3, 4, or 5 may receive college credit. Awarding college credit is determined by each institution. Hempstead ISD pays all testing fees associated with AP Exams.

### **Top 10% Graduates**

This group of students falls among the top 10% of the graduating class at the time of official rankings. They are eligible for automatic admission to any public university in Texas except the University of Texas (see details below). To be eligible for automatic admission, a student must:

- Complete the Foundation Plan with Distinguished Level of Achievement OR Satisfy the SAT or ACT score requirements for designated colleges/universities; and
- Graduate in the top 10 percent of his/her class at a public or private high school in Texas; and
- Enroll in college no more than two years after graduating from high school; and
- Apply to a Texas public university for admission before the institution's application deadline. Since deadlines vary, students should check with the specific university to verify the application deadline.
- Senate Bill 175 amended the top 10% for the University of Texas. Their automatic admission ranges from 5%-7%.

### **Texas Success Initiative**

Texas law requires all students entering college to meet college readiness standards. Students who do not meet these college readiness standards may be required to take remedial courses which do not count towards college graduation. Each year the Texas Success Initiative Assessment (TSIA2) is offered on the high school campus to current juniors and seniors. Details about testing dates can be found in the Counseling office at the high school or on the Advanced Academics Website. The TSIA2 is typically taken by students who desire to attend college but have not taken the SAT/ACT or have not made a high enough score to be eligible for college admission.

**GPA Calculation Chart for students graduating before 2025**

<b>Semester Grade</b>	<b>Advanced Academic Content</b>	<b>Regular Content</b>
100	5.0	4.0
99	4.9	3.9
98	4.8	3.8
97	4.7	3.7
96	4.6	3.6
95	4.5	3.5
94	4.4	3.4
93	4.3	3.3
92	4.2	3.2
91	4.1	3.1
90	4.0	3.0
89	3.9	2.9
88	3.8	2.8
87	3.7	2.7
86	3.6	2.6
85	3.5	2.5
84	3.4	2.4
83	3.3	2.3
82	3.2	2.2
81	3.1	2.1
80	3.0	2.0
79	2.9	1.9
78	2.8	1.8
77	2.7	1.7
76	2.6	1.6
75	2.5	1.5
74	2.4	1.4
73	2.3	1.3
72	2.2	1.2
71	2.1	1.1
70	2.0	1.0
69	0.0	0.0
All classes below a 70 receive 0 credit		

*Per EIC(Local)-X: Courses that have been modified by the student's admission, review, and dismissal (ARD) committee as to the required content of the Texas Essential Knowledge and Skills and reflected in the student's individualized education program (IEP) shall not earn the same number of grade points as regular courses.*

**GPA Calculation Chart beginning with students graduating in 2025 and after**

Semester Grade	Level 1	Level 2	Level 3
100	6.0	5.0	4.0
99	5.9	4.9	3.9
98	5.8	4.8	3.8
97	5.7	4.7	3.7
96	5.6	4.6	3.6
95	5.5	4.5	3.5
94	5.4	4.4	3.4
93	5.3	4.3	3.3
92	5.2	4.2	3.2
91	5.1	4.1	3.1
90	5.0	4.0	3.0
89	4.9	3.9	2.9
88	4.8	3.8	2.8
87	4.7	3.7	2.7
86	4.6	3.6	2.6
85	4.5	3.5	2.5
84	4.4	3.4	2.4
83	4.3	3.3	2.3
82	4.2	3.2	2.2
81	4.1	3.1	2.1
80	4.0	3.0	2.0
79	3.9	2.9	1.9
78	3.8	2.8	1.8
77	3.7	2.7	1.7
76	3.6	2.6	1.6
75	3.5	2.5	1.5
74	3.4	2.4	1.4
73	3.3	2.3	1.3
72	3.2	2.2	1.2
71	3.1	2.1	1.1
70	3.0	2.0	1.0
69	0.0	0.0	0.0
All classes below a 70 receive 0 credit			

- *Level 1 Courses= Advanced Placement Courses, Dual Credit, and other locally designated advanced courses*
- *Level 2 Courses= Regular Courses*
- *Level 3 Courses= Courses that have less rigor than regular courses.*

**Class Rank and Grade Point Average for Cohorts 2024 and prior**

The district includes semester grades earned for high school credit in English, Mathematics, Science, Social Studies, and Languages other than English when calculating Class Rank and Grade Point Average. GPAs are computed at the end of each semester. All grades in English, Mathematics, Science, Social Studies, and Languages other than English on a student’s transcript, including failing grades and repeated courses, are included in the GPA. Advanced courses receive a weight of 10 extra points added to the numerical semester average when calculating GPA. (Additional 10 points will not be shown on the transcript.). Total GPA is calculated by adding the GPA of each semester course together and dividing by the number of courses taken. All students shall be ranked upon the basis of weighted grade averages. Suppose a student repeats a course for remediation only. In that case, the existing grade and the new grade are averaged into the GPA. If a student is denied credit due to excessive absences, the grade will be calculated into the GPA as failing.

## **Class Rank and Grade Point Average Beginning with Cohort 2025**

The district includes semester grades earned for high school credit in all courses attempted when calculating Class Rank and Grade Point Average. GPAs are computed at the end of each semester. All grades appear on a student's transcript, including failing grades and repeated courses, and are included in the GPA. Advanced courses receive a weight of 10 extra points added to the numerical semester average when calculating GPA. (Additional 10 points will not be shown on the transcript.). Total GPA is calculated by adding the GPA of each semester course together and dividing by the number of courses taken. All students shall be ranked upon the basis of weighted grade averages. Suppose a student repeats a course for remediation only. In that case, the existing grade and the new grade are averaged into the GPA. If a student is denied credit due to excessive absences, the grade will be calculated into the GPA as failing.

## **Grading Scale, Class Ranking, & GPA Grading/Credits**

When a student completes a semester of work with a grade of 70 or higher, one-half (1/2) credit is earned. Each semester stands alone. Semesters are not averaged together except in cases of Partial Credit (see below).

## **Partial Credit**

If a student fails a semester but passes the other semester with a high enough score to create an overall average of a 70 or higher, the student will earn two one-half credits and will not need to repeat the failed semester of the course. The failing grade will be reflected on the student's transcript and be used to calculate the student's GPA.

## **Algebra II Graduation Notification**

In accordance with Texas Education Code 28.02123, we are providing the following notification regarding certain high school graduation requirements to all parents and guardians of students in grades 9-12. Students are not required to complete Algebra II to graduate under the foundation high school program; however, there are potential consequences when students do not complete this course, including the following: (1) Automatic college admission for eligible students (2) Eligibility for financial aid under Title 3 including TEXAS grant program and The Texas Educational Opportunity Grant Program.

## **Transcripts**

Seniors wishing to send transcripts to colleges should check whether their college requires paper copies or whether they prefer electronic copies of transcripts. It is the student's responsibility to request transcripts on time.

Transcript request forms are available in the counseling office.

### **Explanation of Codes on Transcripts**

- A – Advanced Tech Credit
- H – Honors
- T – Credit by Exam
- B – Repeat Course
- J – HS Course Before Grade 9
- D – Dual Credit
- P – AP course
- X – TEA Innovative Course
- E – Credit or Acceleration
- Q – Pre AP course
- 1 – PE Substitution
- F – Fail
- R – Summer School
- \* denied credit for attendance

## **NCAA (National Collegiate Athletic Association)**

Bylaw 5-1-(j) -- Students entering NCAA Division I, II institutions as freshmen who wish to receive financial aid and wish to practice and compete on an intercollegiate level must be certified by the Eligibility Center. To be certified by the Eligibility Center, students must (1) apply for certification in your junior year of high school. The Eligibility Center will issue a preliminary certification report when you have had all your materials submitted. After you graduate, the Eligibility Center will review your final transcript to make a final certification decision according to NCAA standards. Apply for certification at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) (2) earn a grade-point average of at least 2.00\* (on a 4.00 scale) in a core curriculum of at least 16 academic courses which were successfully completed during grades 9 through 12. Only courses that satisfy the NCAA definition of a core course can be used to calculate your NCAA GPA (3) have a core-course GPA and a combined score on the SAT Verbal & Math sections or a sum score on the ACT based on the qualifier index scale. The qualifier index can be found at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) (4) to receive certification of amateur status. When registering for the Eligibility Center, you must complete the Amateurism Survey found at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) (5). Traditional school credits are the only credits accepted by the NCAA. Correspondence, credit by exam, credit recovery, and night school are not accepted.

### Dropping a Class with a Failing Grade – UIL Eligibility

As stated in the TEA & UIL Side-by-Side, dropping a class with a grade lower than 70 at the end of a grading period causes a student to lose eligibility until 7 calendar days after the end of the 3-school week evaluation period. Dropping an advanced class that is exempted from “no pass, no play” does not cause loss of eligibility at any time unless full-time status is affected.

### Course Selection Helpful Hints

**Summer Assignments:** Advanced and AP courses often require summer reading assignments. Make sure you find out what those are. They are typically emailed to students enrolled in those courses.

**GPA:** Advanced courses carry a higher weight for GPA calculations. If you make a 70 or above each semester, your GPA is calculated with an extra 10 points. Example:

Cohorts 2024 and prior

Course	Grade	On Level (4.0 scale)	Advanced and AP (5.0 scale)
English I	84	2.4	3.4
Algebra II	92	3.2	4.2
Biology	74	1.4	2.4
Geography	63	0.0	0.0

Beginning with Cohort 2025

Course	Grade	Level 1 (4.0 scale)	Level 2 (5.0 scale)	Level 1 (6.0 scale)
English I	84	2.4	3.4	4.4
Algebra II	92	3.2	4.2	5.2
Biology	74	1.4	2.4	3.4
Geography	63	0.0	0.0	0.0

**Endorsements:** Pay attention to courses in a sequence if you plan to use them for an endorsement. Make sure you have room (especially Career and Technical Education courses that are block classes and require two periods).

**Alternates:** Students must list two (2) alternatives for each elective. Suppose the elective is a single-semester course. There must be an alternative which is also a single-semester course. If the elective is a yearlong course, there must be two yearlong alternates. Due to class sizes, master schedule conflicts, and requirement changes, adjustments could be made to your course requests. It is important to choose alternates wisely.

# English Courses

## English I

(03220100 ENG 1) 9<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** This course prepares all students to grow as thoughtful readers, thinkers, communicators, and writers. Students will learn to ask meaningful questions, seek answers, and critically reflect on the results. English I prepares students for expository and argumentative writing. However, students will also continue to work on narrative and informational writing. In their reading, students will be encouraged to learn about themselves and the world around them by critically engaging with various texts. This course will challenge and grow students on grade-level standards. (English credit and Speech Requirement)

## English I Advanced

(03220100 ENG 1) 9<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** 90+ in previous course or teacher recommendation

**Course Description:** In addition to the English I course content, this course is designed to prepare students for success in Advanced English II by developing the skills students need to read more challenging texts, discuss in greater depth, and refine skills in writing to a greater degree. Students will build foundational reading and writing skills for literary and rhetorical analysis. In addition, there is an increased opportunity for independent reading and writing practice outside of class. (English credit and Speech Requirement)

## Modified English I

(03220100 ENG1) 9<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified curriculum that emphasizes skill development in reading, writing, literature, research skills, language, grammar, critical thinking, cooperative learning, and intense focus and preparation for the STAAR EOC English I exam, specifically the expository essay. Major writing forms include exposition, persuasion, comparison/contrast, and narrative. In literature, the major genres covered include fiction (short stories and novels), nonfiction, poetry, and drama. (English Credit)

## English Language Development and Acquisition (ELDA I/II/III/IV)

(03200800 ELDA I) (03200810 ELDA II) (85000XXX ELDA III) (85000XXX ELDA IV) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite:** English Proficiency Test

**Course Description:** The ELDA course is for high school EL students. This course is designed to serve as elective credit and has a language arts corequisite. This course is structured to develop and sustain foundational language skills. (Elective Credit)

## English II

(03220200 ENG 2) 10<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** English I

**Course Description:** This course prepares all students to grow as thoughtful readers, thinkers, communicators, and writers. Students will learn to ask meaningful questions, seek answers, and critically reflect on the results. English II prepares students for persuasive writing, but students will also continue to work on narrative and informational writing. In their reading, students will be encouraged to learn about themselves and the world around them by critically engaging with various texts. This course will challenge and grow students on grade-level standards. (English credit and Speech Requirement)

## English II Advanced

(03220200 ENG 2) 10<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite:** 90+ in English I or teacher recommendation

**Course Description:** In addition to the English II course content, this course builds on skills developed in English I Advanced. English II Advanced focuses on advancing students' independent reading and writing skills in literary analysis and rhetoric (argumentative writing) with continuing opportunities for reading and writing both inside and outside of class. (English credit and Speech Requirement)

## Modified English II

(03220200 ENG2) 10<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified curriculum with emphasis on the skills of reading, writing, language usage, grammar, research, and intense focus and preparation for the STAAR EOC English II exam, specifically the persuasive essay. Reading selections will include novels, plays, short stories, poetry, and nonfiction passages from world literature. (English Credit)

**English III**

(03220300 ENG 3) 11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** English I, II

**Course Description:** This course has been designed to help students develop into more engaged, confident, and effective communicators. Students will work in a variety of American fiction, nonfiction, drama, poetry, short stories, and essays. Class time will often focus on reading, writing, and conferring with the teacher and other students. Instruction will focus on developing students' analytical reading and writing skills. Assessments will focus on analysis, relevance, process, and progress. (English credit and Speech Requirement)

**English III Advanced**

(03220300 ENG 3) 11<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** 90+ in English II or teacher recommendation

**Course Description:** English III Advanced includes a survey of religious, philosophical, and literary movements in American literature. Students will read literature (including poetry, fiction, nonfiction, and plays) outside of class for in class analysis and complete the majority of all writing assignments outside of class. This course follows a rigorous pace and often requires homework. Summer work may be required. (English credit and Speech Requirement)

**English III Dual Enrollment/Blinn Freshman English**

(03220300 ENG 3) (ENG 1301, ENG 1302) 11<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** English II credit, acceptance to Blinn College (includes application, qualifying TSIA, ACT or SAT scores)

**Course Description:** This course follows the required curriculum for Blinn College English I301 and I302 courses, in addition to TEKS required for English III credit. During the first semester, this composition course focuses on the writing of researched argumentative, expository, and persuasive papers. Analytical reading, critical thinking, and library-based research skills are emphasized. The second semester further develops the analytical, thinking, and research skills underlying academic success through the study of literature. The student's writing of genre-based essays, including researched papers, reinforces the thinking skills associated with interpretation, explication, evaluation, analysis, and synthesis. Upon successful completion of both semesters of this year-long course, the student can earn six (6) hours of college English credit (3 hours each semester), as well as a numerical grade for high school junior English credit based on both the Blinn work and the supporting English III assignments. (English credit) Fee: Students pay a portion of Blinn tuition (\$90) each semester.

**Modified English III**

(03220300 ENG3) 11<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified curriculum including a chronological survey of religious, philosophical and literary movements in American literature from the 17<sup>th</sup> to the 20<sup>th</sup> century. A variety of poetry, essays, and short stories will be read. Skills are developed in reading and literary analysis, writing for various purposes, speaking, listening, critical thinking, research techniques, and preparation for standardized tests. (English Credit)

**English IV**

(03220400 ENG 4) 12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** English I, II, III

**Course Description:** Survey of political, religious, philosophical, and literary movements in literature from the Anglo-Saxons to the 20<sup>th</sup> century. Exposure to major authors, works, and themes, focusing on literary analysis and poetry. Emphasis on reading, writing, language usage, literary devices, and research skills. Preparation for the world beyond high school is a constant motif. (English credit and Speech Requirement)

**Business Communications I and II**

(03221300 PRACTWR, 03241400 COMMAPP) 12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** English I, II and III

**Course Description:** This new combination of courses can be taken by career bound students as their fourth English credit. First semester covers practical writing topics: resumes, cover letters, professional correspondence, memorandums and email, with an emphasis on reading documentation common to the workplace. Second semester focuses on verbal and non-verbal communication focused on interview skills and workplace interactions. This course may also be taken for elective credit. (English credit and Speech Requirement)

**Journalism**

(03230100 JRNLMS) 10<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Good writing skills and teacher recommendation

**Course Description:** In-depth and intensive study of journalistic interviewing and forms of writing and the basic principles of newspaper layout, including photography and design. Students will produce the monthly student newspaper. (Elective credit)

**English IV Advanced**(03220400 ENG 4) 12<sup>th</sup> 1 credit Advanced/Level 1**Prerequisite(s):** 90+ in English III or teacher recommendation**Course Description:** English IV Honors offers a concentrated analytical and interpretive study of British literature that includes literature-related analytical writing. Development of the writing process includes emphasis on expository, argumentative, analytical writing, and on logical and critical thinking. This course follows a rigorous pace and often requires homework. Summer work may be required. (English credit and Speech Requirement)**English IV Dual Enrollment/Blinn Freshman English**(03220400 ENG 4) (ENG 1301, ENG 1302) 12<sup>th</sup> 1 credit Advanced/Level 1**Prerequisite(s):** English III credit, acceptance to Blinn College (includes application, qualifying TSIA, ACT or SAT scores)**Course Description:** This course follows the required curriculum for Blinn College English I301 and 1302 courses, in addition to TEKS required for English IV credit. During the first semester, this composition course focuses on the writing of researched argumentative, expository, and persuasive papers. Analytical reading, critical thinking, and library-based research skills are emphasized. The second semester further develops the analytical, thinking, and research skills underlying academic success through the study of literature. The student's writing of genre-based essays, including researched papers, reinforces the thinking skills associated with interpretation, explication, evaluation, analysis, and synthesis. Upon successful completion of both semesters of this year-long course, the student can earn six (6) hours of college English credit (3 hours each semester), as well as a numerical grade for high school senior English credit based on both the Blinn work and the supporting English IV assignments. (English credit) Fee: Students pay a portion of Blinn tuition (\$90) per semester.**Modified English IV**(03220400 ENG 4) 12<sup>th</sup> 1 credit Regular/Level 3**Prerequisite(s):** Individualized Education Plan**Course Description:** A modified curriculum including a chronological survey of religions, philosophical, and literary movements in British literature from the Anglo-Saxons to the 20<sup>th</sup> century. Exposure to major authors, works, and themes, focusing on literary analysis and poetry from all major periods of British literature. Emphasis on reading, writing, language usage, literary devices, and research skills. Preparation for the world beyond high school is a constant motif. (English Credit)**English IV Dual Enrollment/Blinn Sophomore English**

(03220400 ENG 4) (ENG 2322, ENG 2323)

# H02451DA/H02451DB 12<sup>th</sup> 1 credit Advanced/Level 1**Prerequisite(s):** English III credit and ENG 1301/1302 credit**Course Description:** A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. This survey introduces students to the principal authors, works, and trends that comprise the canon of British literature from the Anglo-Saxon period through the eighteenth century. Papers are required. The second semester consists of a survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Upon successful completion of both semesters of this year-long course, the student can earn six (6) hours of college English credit (3 hours each semester), as well as a numerical grade for high school senior English credit based on both the Blinn work and the supporting English IV assignments. (English credit) Fee: Students pay \$90 of Blinn tuition (\$90) per semester.**Reading I, II, III**(03270700 READ1, 03270800 READ2, 03270900 READ3 ) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2**Prerequisite(s):** Teacher placement**Course Description:** This high school reading course strives to help students reach a reading level consistent with their grade level by supporting the growth of fluency, phonics, decoding, word recognition, spelling, and general comprehension. This course aims to ensure that high school students have opportunities to read with competence, confidence, and understanding and can be successful in other courses and on all subjects of state assessments. (Elective credit)**Applied English I, II, III, IV**(03220107 ENG1; 03220207 ENG2; 03220307 ENG3; 03220407 ENG4) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 3**Prerequisite(s):** Individualized Education Plan**Course Description:** Applied English will assist students in developing skills in expressive, receptive, written, and symbolic representations of language. Students will integrate language to understand oral, written, and symbolic communication. Oral, written, and symbolic language will express ideas, demands, needs and make inquiries. Communications will explore job-related language use-related employment services, interview skills, interpersonal skills, job search, and the application process. (English Credit)

# Mathematics Courses

## Algebra I

(03133500 ALG 1) 9<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Grade 8 math

**Course Description:** Covers the topics of equations, inequalities, exponents, functions, linear functions, systems of linear functions, polynomials, factoring, quadratic equations, and quadratic and exponential functions. The use of graphing calculators is incorporated throughout to support the curriculum. Meeting the standard on the Algebra I End of Course exam is required for graduation. (Math credit)

## Modified Algebra I

(03133500 ALG 1) 9<sup>th</sup>-10<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified curriculum that introduces the operations and properties of real numbers, variables, equations, linear functions and systems, inequalities, polynomials, factoring, and irrational and rational numbers. The use of graphing calculators is incorporated throughout to support the curriculum. Students will prepare for the STAAR Algebra I EOC Exam. (Math Credit)

## Advanced Algebra I

(03133500 ALG 1) 8<sup>th</sup>-9<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** 90 in Grade 8 math or Teacher recommendation

**Course Description:** This fast-paced, rigorous math course sets the foundation for more advanced math courses. Students will deal with more challenging problems than on-level Algebra I students and will be expected to apply content taught to various situations. This course covers the Texas Essential Knowledge and Skills for Algebra I with extensions requiring higher-order thinking skills. Meeting the standard on the Algebra I End of Course exam is required for graduation. (Math credit)

## Geometry

(03100700 GEOM) 9<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Algebra I credit, passed Alg I EOC

**Course Description:** Introduction and basics of plane, solid, and coordinate geometry. Emphasizes geometric knowledge of physical space, deductive and inductive reasoning, and the integration of geometry and algebra. (Math credit)

## Modified Geometry

(03100700 GEOM) 10<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Qualified Special Education Student; ARD/IEP Committee Recommendation

**Course Description:** A modified curriculum that includes the introduction and basics of plane, solid, and coordinate geometry. The class stresses geometric knowledge of physical space, deductive and inductive reason, and the integration of geometry and algebra. (Math Credit)

## Advanced Geometry

(03100700 GEOM) 9<sup>th</sup>-10<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** 90+ in Algebra I or teacher recommendation

**Course Description:** Introduction and basics of plane, solid, spherical, and coordinate geometry. Emphasizes geometric knowledge of physical space, and deductive and inductive reasoning. Higher level and critical thinking skills addressed by providing opportunities for discovery and more detailed proof writing. (Math credit)

**\*\*\* Students wishing to take AP Calculus AB their senior year will need to have successfully completed Algebra I in 8th grade or will have to double up on math courses one year. It is recommended that students who wish to double up their math courses do so their sophomore year and take Geometry and Algebra II simultaneously. Please speak to your counselor and teachers before registering for both courses.**

## Algebraic Reasoning

(03102540 ALGREA) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Algebra I and teacher recommendation

**Course Description:** Students will build on the knowledge and skills for mathematics previously presented in Algebra I. Students will broaden their knowledge of multiple representations of linear, quadratic, square root, rational, cubic, cube root, exponential, and absolute value functions. Students will study these functions through explorations of patterns and structure, composition of functions, number and algebraic methods, and modeling from data. The use of a graphing calculator is incorporated throughout to support the curriculum. (Math credit)

**Modified Algebraic Reasoning**(03102540 ALGREA) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 3**Prerequisite(s):** Individualized Education Plan**Course Description:** A modified curriculum where students will broaden their knowledge of multiple representations of linear, quadratic, square root, rational, exponential, and absolute value functions. Students will study these functions through explorations of patterns and structure, composition of functions, number and algebraic methods, and modeling. (Math Credit)**Algebra II**(03100600 ALG 2) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2**Prerequisite(s):** Algebra I & Geometry**Course Description:** Designed to prepare students for higher level math through study of equations, inequalities, and functions. Both algebraic and graphic methods are used in problem solving. Some key topics include linear equations and inequalities, matrices, quadratic functions, exponential and logarithmic functions, rational expressions, and rational functions. The use of a graphing calculator is incorporated throughout to support the curriculum. (Math credit)**Advanced Algebra II**(03100600 ALG 2) 10<sup>th</sup>-11<sup>th</sup> 1 credit Advanced/Level 1**Prerequisite(s):** 90 or above in previous math course or teacher recommendation**Course Description:** Extends Algebra II curriculum by providing opportunities to solve algebraic problems on a higher level. Emphasis on functional relationships and problem solving in real situations, which should help prepare students to take Pre-Calculus Advanced the following year. The use of a graphing calculator is incorporated throughout to support the curriculum. (Math credit)**Pre-Calculus**(03101100 PRE CALC) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2**Prerequisite(s):** Algebra I, Geometry, Algebra II**Course Description:** The primary focus of this course is the study of functions, including trigonometric functions and their applications. This course is recommended as a prerequisite for freshman level college mathematics courses. The use of a graphing calculator is incorporated throughout to support the curriculum. (Math credit)**Advanced Pre-Calculus**(03101100 PRE CALC) 11<sup>th</sup>-12<sup>th</sup> 1 credit Advanced/Level 1**Prerequisite(s):** Alg 1, Geometry, 90 or above in Alg 2 or teacher recommendation**Course Description:** Academically rigorous course requiring daily preparation. Students enrolled in Pre-Calculus Advanced should have good algebra skills and be willing to utilize those skills to explore new topics which will prepare them for Calculus. The primary focus of this course is the study of functions, including trigonometric functions and their applications. Upon completing this course, students should be well prepared for taking AP Calculus or any Freshman level college mathematics course. The use of a graphing calculator is incorporated throughout to support the curriculum. (Math credit)**Advanced Placement Calculus AB**(A3100101 APCALCAB) 12<sup>th</sup> 1 credit Advanced/Level 1**Prerequisite(s):** 90 or above in Pre-Cal or teacher recommendation**Course Description:** College-level rigorous math course requiring daily preparation outside of class time. Covers functions, limits, derivatives, and integrals. Topics viewed geometrically, numerically, and algebraically. Students may earn credit for one semester of college Calculus with a qualifying AP exam score. Graphing calculator is required for this course. (Math credit)**Mathematical Applications in Ag, Food and Natural Resources**(13001000 MATHAFNR) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2**Recommended Prerequisite(s):** Algebra I and Geometry**Course Description:** Invaluable in any area of agriculture, from livestock and dairy production to horticulture and agronomy. The course introduces fundamental mathematics concepts such as arithmetic, algebra, log and exponentials, measurements and units, probability, linear equations, and nonlinear functions. Students will apply methods for solving problems in the real-world using math and logic skills. Math skills needed for Agriculture industry standards in crop production, livestock production, horticulture, agricultural mechanics, and agribusiness will be the focus of this course. (Math credit)

**College Algebra Dual Enrollment/Blinn Math 1314**(03102500 MATH4) (MATH 1314) 12<sup>th</sup> .5 credit Advanced/Level 1**Prerequisite(s):** Algebra II credit, acceptance to Blinn College (includes application, qualifying TSIA or ACT or SAT scores, and dual credit course application)**Course Description:** This course follows the required curriculum for Blinn College College Algebra (MATH 1314). During the first semester, this course focuses In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.. Upon successful completion of both semesters of this year-long course, the student can earn six (6) hours of college Math credit (3 hours each semester), as well as a numerical grade for high school senior math credit based on the Blinn work. **(Math credit) Fee:** Students pay a portion of Blinn tuition (\$90) per course.**Business Math Dual Enrollment/Blinn Math 1324**(03102501 MATH4) (MATH 1324) 12<sup>th</sup> .5 credit Advanced/Level 1**Prerequisite(s):** Algebra II credit, acceptance to Blinn College (includes application, qualifying TSIA or ACT or SAT scores, and dual credit course application)**Course Description:** This course follows the required curriculum for Blinn College Math for Business and Social Sciences (MATH 1324). During the first semester, this course focuses on The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.. Upon successful completion of both semesters of this year-long course, the student can earn six (6) hours of college Math credit (3 hours each semester), as well as a numerical grade for high school senior math credit based on the Blinn work. **(Math credit) Fee:** Students pay a portion of Blinn tuition (\$90) each semester.**Applied Math Courses**

(03100507 ALG1; 03100707 GEOM; 03102540 ALGREA)

Appl Algebra I	1 credit	Regular/Level 3
Appl Geometry	1 credit	Regular/Level 3
Appl Alg Reas	1 credit	Regular/Level 3
Appl Math Models	1 credit	Regular/Level 3

**Prerequisite(s):** Individualized Education Plan**Course Description:** Designed to reinforce math operations using a variety of practical, real life situations that facilitate the understanding of using mathematics in daily living exercises. Emphasis is on basic operations using money, measurement, and time in common home, family, and work-related environments. (Math Credit)

## Science Courses

### Biology

(03010200 BIO) 9<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** Study of cell function, systematic approach to organisms, principles of heredity, taxonomy, ecological principles, and an introduction to botany. Biological principles are reinforced by strong lab experience. **\*\*Students who do not pass the Biology EOC will be required to meet with science teacher or counselor to discuss future science course selection\*\*** (Science credit)

### Modified Biology

(03010200 BIO) 9<sup>th</sup>-10<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified study of cell function, systematic approach to organisms, principles of heredity, taxonomy, ecological principles and an introduction to botany. Biological principles are reinforced by strong lab experience. (Science Credit)

### Advanced Biology

(03010200 BIO) 9<sup>th</sup>-11<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisites:** Advanced 8th grade English and/or Algebra I Advanced preferred, Teacher recommendation

**Course Description:** In addition to the topics covered in Biology 1, this advanced course will include more in-depth study of photosynthesis, cellular respiration, animal phyla, and biotechnology applications. Additional skills include use of Greek and Latin roots to decode unfamiliar vocabulary. Designed to prepare students for advanced study in high school sciences. **\*\*Students who do not pass the Biology EOC will be required to meet with teacher or counselor to discuss future science course selection\*\*** (Science credit)

### Environmental Systems

(03020000 ENVIRSYS) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Biology and teacher recommendation

**Course Description:** Students study a variety of topics that include biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationships between carrying capacity and changes in populations and ecosystems, and changes in environments. This is a project-based course that incorporates all Life Sciences. (Science credit)

### Modified IPC

(03060201 IPC) 9<sup>th</sup>-10<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified curriculum which includes laboratory study and the metric system, measurement, nature of matter, physical and chemical changes, motion and machines, electricity and magnetism, wave motion, light and sound. (Science Credit)

### Chemistry

(03040000 CHEM) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisites:** one unit of high school science, Algebra I.

**Course Description:** Laboratory-oriented course which emphasizes theoretical foundations of chemistry and development of skills in manipulation, acquisition, classification, and communication of data. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry.(Science credit)

### Modified Chemistry

(03040005 CHEM) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified curriculum which includes laboratory study that emphasizes theoretical foundations of chemistry and development of skills in manipulation, acquisition, classification and communication of data. (Science Credit)

### Advanced Chemistry

(03040000 CHEM) 10<sup>th</sup>-12<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisites:** 90 in Biology or Teacher recommendation

**Course Description:** In addition to the topics and skills covered in Chemistry 1, the following topics will be included: periodic trend relationships, additional rules for reactions and solubility, more complex geometric arrangements of molecular structures, redox balancing and electrochemical cells, and topics in organic chemistry. Additional skills include titration and more complex mathematical computations / relationships throughout all units. (Science credit)

**Physics**(03050000 PHYSICS) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2**Prerequisite(s):** One credit of high school science and Algebra I**Course Description:** Students study various systems in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations, meeting the 40 percent laboratory and fieldwork requirement. (Science credit)**Advanced Physics I**(03050000 PHYSICS) 11<sup>th</sup>-12<sup>th</sup> 1 credit Advanced/Level 1**Prerequisite(s):** Algebra II or concurrent enrollment, 90 in Chemistry or Teacher recommendation**Course Description:** Laboratory-oriented course emphasizes concepts of physics and mastery of skills in manipulation of equations, acquisition of data from observation and instrumentation, classification of motion, and communication of data via graphs, pertaining to motion, heat, electricity, magnetism, sound, light, and nuclear energy. (Science credit)**Human Anatomy & Physiology**(13020600 ANATPHYS) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2**Prerequisites:** Biology and a second science credit**Course Description:** Comprehensive study of anatomy and physiology of the human body. An overview of histology, general anatomical terminology, and detailed investigation of all body systems. Major mammalian dissection included. (Science / CTE / Elective credit)**Advanced Animal Science**(13000700 ADVANSCI) 12<sup>th</sup> 1 credit Regular/Level 2**Prerequisite(s):** Algebra I, Geometry, Biology, Chemistry or IPC and Equine Science, Small Animal Management or Livestock**Course Description:** Students will learn about careers in the field of animal science, classes and grades of livestock, animal genetics and heredity, animal anatomy and physiology, animal nutrition for ruminants and non-ruminants, and animal diseases and parasites. The students will also be required to participate in labs where they will demonstrate safe practices and knowledge of scientific principles and methods as it pertains to the Animal Science Industry. This course is designed for students in the Animal Science pathway to earn their fourth science in an agriculture class. (Science / CTE / Elective credit)**Advanced Plant & Soil Science**(13002100 ADVPSSCI) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2**Prerequisite(s):** One science credit and one credit from AFNR track**Course Description:** Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. Investigations, laboratory practices, and field exercises will be used to develop an understanding of current plant and soil science. This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting. This course is designed for students in the Plant Science Pathways to earn their fourth science credit in an agriculture science class. (Science / CTE / Elective credit)**Applied Science Courses**

(V3060201 IPC; 03010207 BIO; 03040000 CHEM)

Appl IPC 1 credit Regular/Level 3

Appl Biology 1 credit Regular/Level 3

Appl Chem 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan**Course Description:** Science-based concepts related specifically to independent daily living and employment. Attention is given to relating science to home and job practices that foster the understanding of students' roles and responsibilities in the care and operation of both facilities. Activities are "hands-on" experiences with an emphasis on cooperative learning strategies. (Science Credit)

## Social Studies Courses

### World Geography

(03320100 W GEO) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** This course provides an opportunity for students to explore our world through investigation of physical and human geography. Students use geographic concepts to study specific nations and regions all around the world with an emphasis on understanding interactions between humans and their environment. (Social Studies credit)

### Modified World Geography

(03320100 W GEO) 10<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified exploration of our world through investigation of physical and human geography. Students use geographic concepts to study specific nations and regions with an emphasis on understanding interactions between humans and their environment. (Social Studies Credit)

### Advanced World Geography

(033020100 W GEO) 9<sup>th</sup>-12<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** Teacher recommendation

**Course Description:** This course allows students to develop an understanding of our world and the relationship between humans and their environment. Students will use higher order thinking skills to ask geographic questions, research and present geographic data, and make generalizations based on this data. As they become culturally aware of the world's inhabitants, students formulate opinions and make judgments and recommendations. (Social Studies credit)

### AP Human Geography

(A3360100 APHUMGEOW) 9<sup>th</sup>-12<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** 90 in previous social studies course, Teacher recommendation

**Course Description:** Provides students with analytical skills and factual knowledge about Human Geography. Covers TEKS for World Geography at accelerated pace and emphasizes the following AP Human Geography topics: Nature and Perspectives of Geography, Population, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development, and Cities and Urban Land Use. Preparation for AP test included. Students who score well on the national exams may place out of three college credit hours. (Social Studies credit)

### World History

(03340400 W HIST) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** The world history course covers the history and development of a variety of world civilizations past and present. Students will develop a basis for comparing various ways of life and cultural patterns and an understanding of the way these patterns occurred over time. Major topics examined include the Rise of Civilizations, Classical Civilizations, Medieval Era, Emergence of the Modern World, Age of Revolution, Industry and Nationalism, World in Conflict, World Wars, and the Contemporary World. (Social Studies credit)

### Modified World History

(03340400 W HIST) 9<sup>th</sup>-10<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified study of history and the development of a variety of world cultures past and present. Provides a basis for comparison of various ways of life and cultural patterns and an understanding of the way these patterns occurred over time. (Social Studies Credit)

### Advanced World History

(03340400 W HIST) 9<sup>th</sup>-12<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** Teacher recommendation

**Course Description:** This course gives students an opportunity to discover connections and patterns in the development of a variety of world civilizations past and present. By comparing cultures and events and analyzing documents and data, students will evaluate the impact of historical action on our present way of life. Major topics examined are The Rise of Civilizations, Flowering of Civilizations, Regional Civilizations, Emergence of the Modern World, Age of Revolution, Industry and Nationalism, World in Conflict, World Wars, and the Contemporary World. (Social Studies credit)

**U. S. History**

(03340100 US HIST) 11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** World Geography or World History

**Course Description:** This course incorporates the study of significant people, issues, and events that have shaped the development of the American economy, government, politics, and society today. Students will briefly review the early history of the U.S. and major founding documents. Course emphasis is on cause and effect and students will explore time periods such as the Progressive Era, American Imperialism, the Roaring 20s, the World Wars, the Great Depression, the Cold War, and the Modern Era. (Social Studies credit)

**Modified U. S. History**

(03340100 US HIST) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified study of significant people, issues, and events through an investigation of authentic documents, art, and music. Course will briefly review Revolutionary and Civil War eras but will focus on Reconstruction to the present. (Social Studies Credit)

**Advanced U.S. History**

(03340100 US HIST) 11<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** World Geography or World History, Teacher recommendation

**Course Description:** In this course, students will construct an understanding of the lasting impact of the people, issues, and events that have shaped the development of the United States. Students will briefly review the early history of the U.S. and major founding documents. Course emphasis is on critical consideration of primary and secondary sources and on the connections between past and present. This course focuses on time periods from the Gilded Age and Progressive Era (1870s-1910s) to the Modern Era (2000 and beyond). (Social Studies credit)

**U. S. History Dual Enrollment/ Blinn American History**

(03340100 US HIST / HIST 1301 & HIST 1302) 11<sup>th</sup> .5 credit per semester Advanced/Level 1

**Prerequisite(s):** Acceptable TSI scores or the ability to exempt TSI; student and parent must sign contract for class

**Course Description:** HIST1301 is a survey of United States history that begins with the migrations of people to the western hemisphere and continues through the Civil War and Reconstruction period. The course focuses on the periods of discovery, colonization, revolution, and nation building. Material presented covers a wide variety of topics encompassing social, cultural, intellectual, military and political history. Second semester is HIST 1302 United States history from 1877 to the present. The course covers industrial, social, and political problems from 1877 to the emergence of the United States as a world power in the twentieth century. Material presented covers a wide variety of topics including the Gilded Age, the Progressive Period, World War I, the Depression and the New Deal, World War II, the Cold War, and contemporary events. Students who take this course are still required to take and pass their US History End of Course Exam. HIST 1301/1302 students will be required to attend study sessions with HISD staff before the state EOC exam. (Social Studies credit) Fee: Students pay a portion of Blinn tuition (\$90) each semester.

**U. S. Government**

(03330100 GOVT) 12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** Senior level course only

**Course Description:** Students will examine political ideology, comparative political systems, the Constitution, civil liberties and civil rights, the three branches of government, Texas and local government, law and criminal procedures, political parties, campaigns, and the responsibilities of citizenship. Course will emphasize the interaction between citizens and the American political system. (Social Studies credit)

**Modified U. S. Government**

(03330100 GOVT) 11<sup>th</sup>-12<sup>th</sup> .5 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A modified look at political heritage, comparative political systems, the Constitution, civil liberties and civil rights, the three branches of government, Texas and local government, law and criminal procedures, political parties, campaigns, and the responsibilities of citizenship. (Social Studies Credit)

**Advanced U.S. Government**(03330100 GOVT) 12<sup>th</sup> .5 credit Advanced/Level 1**Prerequisite(s):** Senior level only, teacher recommendation**Course Description:** This course will help students develop their perspective on government and politics in the United States from an understanding of the systems and institutions that make up the American political system. It includes both the study of general concepts used to interpret U.S. politics, an understanding of political theory, and the analysis of specific contemporary examples. Major topics to be examined are Foundations of Government, Civil Liberties and Rights, Political Behavior, Government by the People, The Legislative Branch, The Executive Branch, The Judicial Branch, Comparative Political and Economic Systems, Participating in Texas State and Local Government, Foreign Affairs, and Current Issues. (Social studies credit)**U. S. Government Dual Enrollment/ Blinn American Government**(03330100 GOVT / GOVT 2305) 12<sup>th</sup> .5 credit Advanced/Level 1**Prerequisite(s):** Acceptable TSI scores or the ability to exempt TSI; student and parent must sign contract for class; Senior standing**Course Description:** A study of the organization, functions, and administration of the several branches and agencies of the national government, including a study of the federal constitution. The primary factors considered relate to the three branches of government—judicial, executive, and legislative—historical documents including the Constitution and Declaration of Independence, events that shaped our nation, and current events. Emphasis will be placed on the interaction of these subsystems. Upon successful completion of this semester-long course, the student will earn three (3) hours of college Government credit, as well as his or her high school senior Government credit. (Social Studies credit) Fee: Students pay a portion of Blinn tuition (\$90) each semester.**Economics**(03310300 ECO-FE) 12<sup>th</sup> .5 credit Regular/Level 2**Prerequisite(s):** Senior level only**Course Description:** This course provides students with a general overview of U.S. Economic activities, including basic differences between capitalism, socialism, and communism; the influence of American ideals of democratic government, laws, customs, and institutions on free enterprise; and familiarization with basic economic terms. Course also includes an in-depth unit on personal financial literacy, including concepts such as budgeting, taxation, insurance, banking, and investing. (Social Studies credit)**Modified Economics**(03310300 ECO-FE) 11<sup>th</sup>-12<sup>th</sup> .5 credit Regular/Level 3**Prerequisite(s):** Individualized Education Plan**Course Description:** A modified program to promote a general understanding of U.S. Economic activities; the basic differences between capitalism, socialism, and communism; the influence of U.S. ideals of democratic government, laws, customs, and institutions on free enterprise and familiarization with basic economic terms. (Social Studies Credit)**Advanced Economics**(03310300 ECO-FE) 12<sup>th</sup> .5 credit Advanced/Level 1**Prerequisite(s):** Senior level only, teacher recommendation**Course Description:** This course offers students the opportunity to develop an understanding of basic principles of the U.S. economy and to apply that understanding to contemporary events and individual experiences. Students will work with economic data and economic principles to analyze economic decision making. This course also includes an in-depth unit on personal financial literacy, including concepts such as budgeting, taxation, insurance, banking, and investing. (Social Studies credit)**Economics Dual Enrollment/Blinn Principles of Economics**(03310300 ECO-FE / ECON 2301) 12<sup>th</sup> .5 credit Advanced/Level 1**Prerequisite(s):** Acceptable TSI scores or the ability to exempt TSI; Senior standing**Course Description:** A study of the macroeconomic principles with emphasis on national income analysis and theory, monetary and fiscal policy, stabilization policy, economic growth and development, and public finance. Upon successful completion of this semester-long course, the student will earn three (3) hours of college Economics credit, as well as his or her high school senior Economics credit. (Social Studies credit) Fee: Students pay a portion of Blinn tuition (\$90) each semester.**Sociology Dual Enrollment/ Blinn Sociology**(03370100 SOC/ SOCI) 11<sup>th</sup>-12<sup>th</sup> .5 credit Advanced/Level 1**Prerequisite(s):** Junior or Senior in standing, Teacher recommendation, TSIA Scores or exemption**Course Description:** Provides an introductory look at the dynamics of individual and group relationships. Examines the history of sociology, cultural and social norms, social institutions, deviance, criminology, and other social problems. (Social Studies/Elective Credit) Fee: Students pay a portion of Blinn tuition (\$90) each semester.

**Psychology Dual Enrollment/ Blinn Psychology**

(03350100 PSYCH/ PSYC 2301 ) 11<sup>th</sup>-12<sup>th</sup> .5 credit Advanced/Level 1

**Prerequisite(s):** Junior or Senior in standing, Teacher recommendation, TSIA Scores or exemption

**Course Description:** Provides an explanation of how humans behave and their mental processes. Students will take a look at psychology as a behavioral and cognitive science through such topics as neuroscience; sensation and perception; states of consciousness; learning; memory; language, thought and intelligence; motivation and emotion; developmental psychology; personality theories; psychological disorders and therapy techniques; and social psychology. (Social Studies/Elective Credit)

Fee: Students pay a portion of Blinn tuition (\$90) each semester.

**Personal Financial Literacy**

(03380082 PFL) 11<sup>th</sup>-12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** Junior or Senior cohort

**Course Description:** Course will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. It includes instruction in methods of paying for college and other postsecondary education and training along with completing the Free Application for Federal Student Aid (FAFSA). Students will analyze the relationship between education and training and earnings potential; evaluate the quality of potential college, postsecondary education, and training courses; evaluate the total cost of these programs; and analyze the advantages and disadvantages of various sources of funds to pay for their education. (Elective Credit/ Local Graduation Requirement)

**Applied Social Studies**

(03340407 WHIST; 03320107 WGEOG; 03340107 USHIST; V3330100 GOVT; V3310300 ECON)

Appl W. Hist 1 credit Regular/Level 3

Appl W. Geog 1 credit Regular/Level 3

Appl US Hist 1 credit Regular/Level 3

Appl US Govt 1 credit Regular/Level 3

Appl Econ 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** Defines the rights, privileges, and responsibilities of students within their school, community, and employment settings. Concepts include voting, laws, consequences of unlawful behavior, honesty, integrity, community volunteerism, and rules for specific situations, including employment. Students will become familiar with the basic concepts of personal responsibility as related to employability and/or being a productive, contributing member of a business, community and/or organization. (Social Studies Credit)

## Languages Other Than English

### Spanish I

(03440100 SPAN 1) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** Introduction to the Spanish language, people, culture, history, and geography with emphasis on the language skills, listening comprehension, speaking, reading, and writing. (LOTE credit)

### Spanish II

(03440200 SPAN 2) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Spanish I

**Course Description:** Review and further development of basic skills. Reading and writing activities increased. Culture, history, and geography of Spanish speaking countries integrated into the curriculum. (LOTE credit)

### Spanish III Advanced

(03440300 SPAN 3) 9<sup>th</sup>-12<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** Spanish II Advanced or teacher recommendation

**Course Description:** Includes advanced grammar and more difficult reading selections. Provides opportunities to improve speaking and listening skills. Lessons will be taught in Spanish, and students are expected to speak in Spanish. (LOTE credit)

### Spanish IV AP Language and Culture

(A3440100 APSPALAN) 9<sup>th</sup>-12<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** Spanish III

**Course Description:** Prepares students for the Advanced Placement Language Examination in May. Concentration is placed on enhancing listening, speaking, reading, and writing skills as well as broadening the student's understanding of Hispanic culture. Students are also introduced to Spanish literature. (LOTE credit)

Fee:AP National Exam

### American Sign Language I

(03980100 ASL1) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** Introduction to American Sign Language covering finger spelling, vocabulary, and basic sentence structure in preparing individuals to interpret oral speech for the hearing impaired. This course is an introduction to American Sign Language and deaf culture. Students will acquire an understanding of multiple aspects of deaf culture, including its history, alphabet, vocabulary, correct grammatical structures, conversational behaviors, and social customs. (LOTE credit)

### American Sign Language II

(03980200 ASL2) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** ASL I

**Course Description:** Continuation of American Sign Language I focused on improving vocabulary, and increasing the complexity of student's sentence structure. Students will continue to develop an understanding of multiple aspects of deaf culture, including its history, alphabet, vocabulary, correct grammatical structures, conversational behaviors, and social customs. (LOTE credit)

### Computer Science I

(03580200 TACS1) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Co-requisite(s):** Algebra I

**Course Description:** (Computer Science satisfies the foreign language (LOTE) graduation requirement, must complete both levels to count as the LOTE requirement) Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving and decision making; digital citizenship; and technology operations and concepts. (Elective/CTE /LOTE/Technology Credit)

### Computer Science II

(03580300 TACS2) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Co-requisite(s):** Algebra I and Computer Science I

**Course Description:** (Computer Science satisfies the foreign language (LOTE) graduation requirement, must complete both levels to count as the LOTE requirement) Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving and decision making; digital citizenship; and technology operations and concepts. (Elective/CTE /LOTE/Technology Credit)

## Fine Arts Courses

### Art I

(03500100 ART 1) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** Students will apply the elements and principles of design to original pieces of art by exploring a variety of media. Students will be challenged to think creatively while being introduced to art history, aesthetics, and critique. (Fine Arts Credit or Elective Credit)

### Art II

(03500200 ART2) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Art 1 and teacher recommendation

**Course Descriptions:** Students will expand their exploration of the elements and principles of design with regards to creative drawing solutions and valid mark making. This course requires self-direction, self-motivation, and the ability to produce original work. (Fine Arts Credit or Elective Credit)

### Art III

(03500300 ART3) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Art 1, Art 2, Teacher recommendation

**Course Description:** The students will analyze visual characteristics of natural and human-made subjects in a variety of ways, illustrating flexibility in solving problems, creating multiple solutions, and thinking imaginatively. Students will solve visual problems and will develop multiple solutions for designing ideas, for clarifying presentations, and for evaluating consumer choices. Students also will trace influences of various cultures on contemporary artworks; will analyze original artworks, portfolios, and exhibitions; and will provide examples of in-depth exploration of one or more themes. (Fine Arts Credit or Elective Credit)

### Art IV

(03500400 ART4) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Art 1, Art 2, Art 3, Teacher recommendation

**Course Description:** In level IV art courses, students will create themes for personal artworks that integrate a broad range of visual observation, experiences, and imagination. They will identify and illustrate art history as a major source of interpretation. Students also will develop evaluative criteria for selecting artworks to include in a portfolio and senior exhibition that demonstrate a high level of creativity and expertise in one or more art areas. (Fine Arts Credit or Elective Credit)

### AP Studio Art: Drawing

(A3500300 APSTARTD) 11<sup>th</sup>-12<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** at least 2 years of high school art and art teacher recommendation

**Course Description:** Designed for the more serious art student. Course outline is based on the guidelines stipulated for Advanced Placement portfolio requirements. Students will use the Elements and Principles of Design and inquiry-based learning to find aesthetically meaningful solutions to drawing problems. At the end of the year, the students are strongly encouraged to submit a portfolio to the College Board for possible college AP credit. (Fine Arts Credit or Elective Credit)

### Applied Art I-IV

Appl Art I 1 credit Regular/Level 3

Appl Art II 1 credit Regular/Level 3

Appl Art III 1 credit Regular/Level 3

Appl Art IV 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** .Students will apply the elements and principles of design to original pieces of art by exploring a variety of media. Students will be challenged to think creatively while being introduced to art and art elements. (Fine Art Credit)

**Theatre Arts I**

(03250100 TH1) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisites:** None

**Course Description:** By studying theatre, students will develop a perception of self, human relationships, and the world using elements of drama and conventions of theatre. Theatre allows students to develop and explore various types of characters through scripted and improvised scene work. Students will study the historical and cultural aspects of theatre, ranging from traditional Greek Theatre to Modern Day Musicals. There will be an expectation for students to be critical of all types of performances, including their own. Students will leave the course with a thorough knowledge of theatre arts, acting techniques, and the impact of theatre on modern society. (Fine Arts Credit or Elective Credit) Fee: \$15 Supplies and Shirt

**Theatre Arts II, III, IV**

(03250200 TH2; 03250300 TH3; 03250400 TH4) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** credit for previous level of Theatre Arts

**Course Description:** Through advanced study of acting techniques, students will develop their ability to perceive themselves and other characters, understand the historical and cultural perspectives of theatre, and be able to effectively criticize theatre. Students will be expected to act and perform at an advanced level, and students will often be expected to memorize and examine scripts from many different eras of theatre. Students will leave the course with a better understanding of advanced acting techniques, improvisation, and many areas of theatre history and culture. (Fine Arts Credit or Elective Credit) Fee: \$15 Supplies and Shirt

**Theatre Production I**

(03250700 TH1PROD) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** previous school theatre experience and Director approval

**Course Description:** This course will provide advanced instruction in acting, and Theatre production students will be given opportunities to perform Improvisational Acting, One Act Plays, and student-directed plays. Students are expected to perform/assist in all school theatre productions. The focus of this course is to prepare students to audition for Theatre Production II & III. (Fine Arts Credit or Elective Credit) Fee: \$15 Supplies and Shirt

**Theater Production II, III, IV**

(03250800 TH2PROD; 03250900 TH3PROD, 03251000 TH3PROD) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Theater Production I & Director Approval

**Course Description:** This course will provide advanced instruction in acting and Theatre production. The focus of the course will be performances in the school's Fall and Spring productions and the UIL One Act Play. By the end of the course, students will be provided with a well-rounded theatre education in preparation for collegiate level performing arts. Students will also explore dramaturgical research for each production as well as writing and directing student produced One Acts. This course will require participation in one Theatre production each semester as well as auditioning for the UIL One Act Play. (Fine Arts Credit or Elective Credit) Fee: \$15 Supplies and Shirt

**Technical Theater I, II, III, IV**

(03250500 TH1TECH; 03250600 TH2TECH; 03251100 TH3TECH, 03251200 TH4TECH ) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None for Tech Theater I; credit for previous level of Tech Theatre and Director Approval is required for Levels II -IV

**Course Description:** Technical Theater I is a course designed to provide learners with a basic understanding of the aesthetics and practical application of all phases of technical production. This includes the study of all visual aesthetics, the physical theater, scenic design, scenery construction and painting, property construction and design, costuming, lighting, sound engineering, and backstage organization. Level II-IV will include an advanced study of all areas of Technical Theater. (Fine Arts Credit or Elective Credit) Fee: \$15 Supplies and Shirt

**Musical Theatre I**

(N1170069 MUSTHEA1) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite:** none

**Course Description:** Musical Theatre will expose students to a wide range of on-stage performance disciplines, including acting performance, vocal performance, and dance performance. The course will enhance and cultivate the creative gifts of each student while encouraging a sense of self-confidence. The course will enable students to study and perform the varied styles of musical theatre with special attention to the principles of stage movement, stage vocal technique, stage choreography, acting, characterization and all other aspects of a musical theatre production. (Fine Arts Credit, Elective Credit) Fee: \$15 Supplies and Shirt, jazz or ballet shoes may be required

**Band I, II, III, IV**

(03150100 MUS1BAND; 03150200 MUS2BAND; 03150300 MUS3BAND; 03150400 MUS4BAND, PES00012 MARCHING)

Fall Year 1	.5 credit	Regular/Level 2
Spring Year 1	.5 credit	Regular/Level 2
Fall Year 2	.5 credit	Regular/Level 2
Spring Year 2	.5 credit	Regular/Level 2
Band III	1 credit	Regular/Level 2
Adv Band III	1 credit	Advanced/Level 1
Band IV	1 credit	Regular/Level 2
Adv Band IV	1 credit	Advanced/Level 1

**Prerequisite(s):** Must exhibit proficiency on a band instrument with director's approval to enroll. Must complete the previous level before advancing to the next level. (Advanced course enrollment requires director's approval)

**Course Description:** Band provides opportunities to gain knowledge in instrumental technique, music theory, music history, critical listening, creative listening, self-discipline, and citizenship through a variety of performance settings (i.e. marching band, concert band, small ensembles, and solo performance). During fall semester, students will participate in the Marching Band. The Marching Band performs at varsity football games, pep rallies, marching contests, and parades. During marching season, the band will practice outside of regular school hours. Practices are limited by U.I.L. to no more than eight hours per week. After marching season, the marching band could be divided into various concert bands by audition (i.e. Concert Band, Symphonic Band, Wind Symphony, etc.). After school rehearsals and/or sectionals may continue throughout the concert season (still limited by U.I.L. to no more than eight hours of practice per week). Student attendance is required for all performances and rehearsals. Summer marching band practice is also required. This course qualifies for a full year credit for Fine Arts and provides ½ PE substitution/waiver credit in the fall for the first two years. (Fine Arts Credit or Elective Credit and PE Credit) Fee: Equipment and Uniform fees may apply.

**Music Theory**(03155400 MUSTHEO) 10<sup>th</sup> – 12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** at least one year of high school band, Directors Approval

**Course Description:** Music Theory is the rigorous study of the fundamental components of music. It explores the language and notation of music through deep understanding of melody and harmony. This study will be accomplished through musical notation, ear training, composition, and analytical writing. (Fine Arts, Elective credit)

**AP Music Theory**(A3150200 APMUSTHY) 11<sup>th</sup> – 12<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** at least one year of high school band, Directors Approval

**Course Description:** The AP Music Theory is an introductory college-level music theory and aural skills course. Students learn to recognize, understand, describe, and produce the basic elements and processes of performed and notated music. Course content extends from the fundamentals of pitch, rhythm, timbre, and expression to concepts of harmonic function, phrase relationships, and tonicization. Students study these concepts in heard and notated music, with emphasis on identification and analysis of musical features, relationships, and procedures in full musical contexts. Repertoire for analysis on the AP Music Theory Exam ranges from European Baroque pieces to folk and popular music from across the globe. Students develop musicianship skills through melodic and harmonic dictation, sight singing, and error detection exercises. Writing exercises further emphasize the foundational harmonic and voice leading procedures of Western art music. (Fine Arts, Elective credit)

**Floral Design**(13001800 FLORAL) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Natural Resources

**Course Description:** Stop and smell the roses! Impress your significant other or mom! Students who successfully complete this class will construct cost effective geometric designs, corsages, and homecoming mums. Special occasion designs and business management practices are an integral part of the course which will prepare students for a career in the floral industry. Students will be able to keep their designs at the end of the unit as well as obtain certification through the Texas State Floral Association. (Elective/CTE/Fine Arts Credit)

## Health and PE Courses

### Individual and Team Sports

(PES00055 PEITS) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** none

**Course Description:** Students are expected to participate in a wide range of individual sports that can be pursued for a lifetime. Individual sports include but are not limited to Golf, Archery, Tennis, and Badminton. Students will participate in lifetime activities within a competitive intramural and fitness class format. Students will become proficient in the skills required for each sport and will actively engage in drills, performance, and competition with each sport. (PE Credit or Elective Credit) Meets CPR Graduation Requirement.

## Athletics

**Participation in HISD Athletics requires a Tryout and coaches approval**

**Course Description:** *Competitive Athletic programs are a privilege.* Students may be released at coaches' discretion. If a student is cut from a sport, the parent will be contacted by the coach. After the first year, athletics classes will count as elective credits. Off-season work is part of the graded course work. (PE Credit or Elective Credit) Meets CPR Graduation Requirement. Fees may apply.

# Career and Technical Education Programs of Study

## Animal Science

We encourage students to take each of the courses in a Program of Study. While certain courses do not have a prerequisite, please understand we will consider students who have taken or plan to take all of the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

### Principles of Ag, Food & Natural Resources

(13000200 PRINAFNR) 9<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** This class will help students expand their leadership and communication skills while furthering knowledge of the effects of agriculture on our world. The class will focus on the elements of the FFA, and a basic study of soils, plants, and various livestock species. (Elective/CTE Credit)

### Equine Science

(13000500 EQUINSCI) 10<sup>th</sup>-12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources recommended

**Course Description:** Students will study selection, nutrition, reproduction, handling, and management to prepare for a career in the horse industry. Horseplay allowed! (Elective/CTE Credit)

### Small Animal Management

(13000400 SMANIMGT) 10<sup>th</sup>-12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources recommended

**Course Description:** Small animals are special creatures; whether you are a cat person, a reptile lover, or you prefer pocket pets, you will experience it all. Students will attain knowledge and skills related to animal identification, animal behavior, anatomy, and the care and management of animals ranging from small mammals such as dogs and cats to amphibians and reptiles. (Elective/CTE Credit)

### Wildlife, Fisheries & Ecology Management

(13001500 WFECGT) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources recommended

**Course Description:** Students will develop knowledge about managing wildlife populations and how species interact with one another. Basic ecological concepts will be studied and applied outside of the classroom. Additionally the Ducks Unlimited Ecology Conservation & Management Certification may be earned in this course. (Elective/CTE Credit)

### Livestock Production

(13000300 LIVEPROD) 10<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources recommended

**Course Description:** Enroll in Livestock Production and learn about the impact livestock production has on the U.S. Students will have the opportunity to learn about careers in the livestock industry, livestock management, nutrition, genetics, reproduction, and common diseases and pests of cattle, swine, lambs, goats, and poultry

### Advanced Animal Science

(13000700 ADVANSCI) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Biology and Chemistry or IPC; Algebra I and Geometry and either Equine Science, Small Animal Management or Livestock Production

**Course Description:** Students will learn about careers in the field of animal science, classes and grades of livestock, animal genetics and heredity, animal anatomy and physiology, animal nutrition for ruminants and non-ruminants, and animal diseases and parasites. The students will also be required to participate in labs where they will demonstrate safe practices and knowledge of scientific principles and methods as it pertains to the Animal Science Industry. This course is designed for students in the Animal Science pathway to earn their fourth science in an agriculture class. (Elective/CTE/Science Credit)

## Applied Agricultural Engineering

We encourage students to take each of the courses in a Program of Study. While certain courses do not have a prerequisite, please understand we will consider students who have taken or plan to take all of the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

### **Principles of Ag, Food & Natural Resources**

(1300200 PRINAFNR) 9<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** This class will help students expand their leadership and communication skills while furthering knowledge of the effects of agriculture on our world. The class will focus on the elements of the FFA, and a basic study of soils, plants, and various livestock species. (Elective/CTE Credit)

### **Agricultural Mechanics & Metal Technologies**

(13002200 AGMECHMT) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources recommended

**Course Description:** Do you like working in a hands-on environment? This class may be the right choice for you. Students will actively learn how to properly use tools to work with a variety of materials including concrete, electricity, plumbing, and basic carpentry. Proper safety is also an integral part in learning how to weld using Oxy-Fuel, Arc, and MIG techniques. You can be sure the Agriculture Mechanics & Metal Fabrication class will strike an interest in you and lay a foundation of useful skills for the future. Students will be eligible to take the AWS D1.1 Welding Certification after completing this course. (Elective/CTE Credit)

### **Agricultural Structures Design and Fabrication w/lab**

(13002310 AGSDFLAB) 11<sup>th</sup>-12<sup>th</sup> 2 credits Regular/Level 2

**Prerequisite(s):** Agricultural Mechanics & Metal Technologies and any local requirements

**Course Description:** Students who successfully complete Advanced Ag Mechanics will develop the skills necessary to design agricultural structures, utilize and diagnose power systems, use welding technology effectively, and construct metal projects. Instruction will also emphasize job opportunities in these areas. (Elective/CTE Credit)

### **Practicum in Ag, Food & Natural Resources – Ag Mechanics**

(13002500 PRACAFNR1) 12<sup>th</sup> 2 credits Regular/Level 2

**Prerequisite(s):** Agricultural Structures Design and Fabrication w/lab and any local requirements

**Course Description:** Students with a genuine career interest in ag mechanics will enjoy this advanced course. Instruction will focus on managing large projects and working with others in a laboratory setting. (Elective/CTE Credit)

# Plant Science

We encourage students to take each of the courses in a Program of Study. While certain courses do not have a prerequisite, please understand we will consider students who have taken or plan to take all of the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

## Principles of Ag, Food & Natural Resources

(13000200 PRINAFNR) 9<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** This class will help students expand their leadership and communication skills while furthering knowledge of the effects of agriculture on our world. The class will focus on the elements of the FFA, and a basic study of soils, plants, and various livestock species. (Elective/CTE Credit)

## Greenhouse Production

(13002050 GREENH) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources recommended

**Course Description:** Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. Students will attain technical knowledge and skills related to horticultural systems (irrigation, cooling systems, propagation, pest control) and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

## Forestry and Woodland Ecosystems

(13001700 FOREST) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources recommended

**Course Description:** Forestry and Woodland Ecosystems examines current management practices for forestry and woodlands. Special emphasis is given to management as it relates to ecological requirements and how these practices impact the environment. Field work will be a critical component of this course and students will be expected to participate in outdoor activities.

## Floral Design

(13001800 FLORAL) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources

**Course Description:** Stop and smell the roses! Impress your significant other or mom! Students who successfully complete this class will construct cost effective geometric designs, corsages, and homecoming mums. Special occasion designs and business management practices are an integral part of the course which will prepare students for a career in the floral industry. Students will be able to keep their designs at the end of the unit as well as obtain certification through the Texas State Floral Association. ((Elective/CTE/Fine Arts Credit)

## Advanced Plant & Soil Science

(13002100 ADVPSSCI) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Natural Resources

**Course Description:** Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. Investigations, laboratory practices, and field exercises will be used to develop an understanding of current plant and soil science. This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting. This course is designed for students in the Plant Science or Natural Resource Pathways to earn their fourth science credit in an agriculture science class. ((Elective/CTE/Science Credit)

## Additional Agriculture Program of Study Courses

**\*\*Students are required to be enrolled in an Ag course to participate in FFA. Students may choose one of these courses to satisfy this requirement if there are no other courses in the Program of Study they are interested in taking.**

### **Mathematical Applications in Ag, Food and Natural Resources**

(13001000 MATHAFNR)      11<sup>th</sup>-12<sup>th</sup>      1 credit      Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food and Natural Resources, Algebra I and teacher recommendation

**Course Description:** Invaluable in any area of agriculture, from livestock and dairy production to horticulture and agronomy. The course introduces fundamental mathematics concepts such as arithmetic, algebra, log and exponentials, measurements and units, probability, linear equations, and non-linear functions. Students will apply methods for solving problems in the real-world using math and logic skills. Math skills needed for Agriculture industry standards in crop production, livestock production, horticulture, agricultural mechanics, and agribusiness will be the focus of this course. ((Elective/CTE/Math credit)

# Construction Science and HVAC

We encourage students to take each of the courses in a Program of Study. While certain courses do not have a prerequisite, please understand we will consider students who have taken or plan to take all of the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

## Principles of Construction

(13004220 PRINCON)      9<sup>th</sup>-12<sup>th</sup>      1 credit      Regular/Level 2

**Prerequisite(s):** None

**Course Description:** This course is designed to introduce students to the skills and technologies used in Architecture, Interior Design, and Construction. It includes training in the safe use of both hand and power tools. Career and job opportunities are also explored. NCCER Core Certification may be earned in this course. (Elective/CTE Credit)

## Welding I

(13032300 WELD)      10<sup>th</sup>-12<sup>th</sup>      2 credits      Regular/Level 2

**Prerequisite(s):** Principles of Construction or Principles of AFNR, teacher recommendation

**Course Description:** Welding I provides the knowledge, skills, and technologies required for employment in metal technology systems. Students will develop knowledge and skills in the areas of welding fundamentals, oxy-fuel cutting, plasma arc cutting, shielded metal arc welding, gas metal arc welding, fluxed core arc welding, and gas tungsten arc welding. Students in this course will be eligible to take the AWS D1.1 welding certification exam. (Elective/CTE Credit)

## HVAC and Refrigeration Technology I

(13005800 HVACREF)      10<sup>th</sup>-12<sup>th</sup>      1 credit      Regular/Level 2

**Prerequisite(s):** Principles of Construction or Principles of AFNR, teacher recommendation

**Course Description:** In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I, students will gain knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment. Students in this course will have the opportunity to earn their HVAC Registered Technician Certification (Elective/CTE Credit)

## Advanced Refrigeration Technology

(13005900 ADVHVAC)      11<sup>th</sup>-12<sup>th</sup>      2 credits      Regular/Level 2

**Prerequisite(s):** Principles of Construction or Principles of AFNR, teacher recommendation

**Course Description:** In Advanced Refrigeration Technology, students will gain advanced knowledge and skills needed to enter the industry as HVAC and refrigeration technicians or building maintenance technicians or supervisors, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, use of tools, codes, installation of commercial HVAC equipment, heat pumps, troubleshooting techniques, various duct systems, and maintenance practices. Students in this course will have the opportunity to earn their 608a Refrigeration Certification. (Elective/CTE Credit)

## Career Preparation I

(12701305 CAREERP1)      11<sup>th</sup>-12<sup>th</sup>      2-3 credits      Regular/Level 2

**Prerequisite:** approved paid/unpaid employment

**Course Description:** Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. Students must have approved employment within the first 10 days of school. Students will be required to work 15 clocked hours per week. (Elective/CTE Credit)

# Design & Multimedia Graphics

We encourage students to take each of the courses in a Program of Study. While certain courses do not have a prerequisite, please understand we will consider students who have taken or plan to take all of the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

## Principles of Arts, Audio/Video Technology & Communications

(13008200 PRINAAVTC) 9<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** Interested in video, advertising, or design? This course is designed to introduce technology used in the workplace. This course will offer a hands-on approach to real world problems by creating multimedia projects for real-life situations. Students will gain experience using audio and video equipment as well as animation and graphic design software.

## Commercial Photography

(13009100 COMPHOTO) 10<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** Say cheese! In the age of smartphones, Snapchat, and Instagram, most of us have a rudimentary understanding of photography. But what if you want to take your skills to the next level? Welcome to Commercial Photography. Here you will learn the principles of photography and how to manually operate DSLR cameras with professional dexterity. From portraits to landscapes, light painting to astrophotography, Commercial Photography will turn your hobby into a career-ready skill set. (Elective/CTE Credit)

## Graphic Design and Illustration

(13008800 GRAPHDS) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of AAVC or Commercial Photography

**Course Description:** Magazines, digital photography, advertising, the internet – Graphic Design is the foundation for media outlets worldwide. Graphic Design and Illustration will teach students the fundamental software tools and design elements used in this industry. From digital enhancements to vector graphics, prepare yourself to create a wide variety of design projects that will lead to a solid foundation in the world of graphics and advertising design. (Elective/CTE Credit)

## Graphic Design and Illustration II

(13008900 GRAPHDI2) 11<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Graphic Design I

**Course Description:** Magazines, digital photography, advertising, the internet – Graphic Design is the foundation for media outlets worldwide. Are you ready to take your design skills to the next level? In Graphic Design II, you will take your knowledge of typography and design principles to a new level, pushing through the boundary of print work into graphic arts and web-based advertising. Students will be prepared to take the Adobe Certified Associates test (ACA) in Photoshop and Illustrator.

## Audio/Video Production I

(13008500 AVP1) 10<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of AAVC or Commercial Photography, Skill Assessment

**Course Description:** Lights, camera, action! Audio/Video Production focuses on the world of media, television, and video production. Students will produce an entire series of newscasts featuring videos, TV anchors, and news stories. Students have access to video equipment, digital editing software, and special effects programs which are the tools to bring your ideas to life. Are you a director or a reporter? From film festivals to video competitions, discover your hidden talents. (Elective/CTE Credit)

## Audio/Video Production II

(13008600 AVP2) 11<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Audio/Video Production; Skill Assessment

**Course Description:** Advanced Audio/Video Production emphasizes scriptwriting, short film making, and further practice with video equipment and software. Students will have the opportunity to direct and produce their own short films. Students will also learn about set design, lighting, and career opportunities in the media/journalism field. This class is only limited by your imagination. (Elective/CTE Credit)

## Animation

(13008300 ANIMAT1) 10<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of AAVC

**Description:** Ever wonder what it takes to create computer animated movies? In the Animation class, students will learn the fundamentals of computer animation and theory. Students will apply the principles of storyboarding into animation software suites, where they will generate 3D models and animate them with lights and camera motion. This is a modeling intensive course, so patience is required. (Elective/CTE Credit)

# Veterinary Medicine

We encourage students to take each of the courses in a Program of Study. While certain courses do not have a prerequisite, please understand we will consider students who have taken or plan to take all of the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

## Principles of Ag, Food & Natural Resources

(13000200 PRINAFNR) 9<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** This class will help students expand their leadership and communication skills while furthering knowledge of the effects of agriculture on our world. The class will focus on the elements of the FFA, and a basic study of soils, plants, and various livestock species. (Elective/CTE Credit)

## Equine Science

(13000500 EQUINSCI) 10<sup>th</sup>-12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources recommended

**Course Description:** Students will study selection, nutrition, reproduction, handling, and management to prepare for a career in the horse industry. Horseplay allowed! (Elective/CTE Credit)

## Small Animal Management

(13000400 SMANIMGT) 10<sup>th</sup>-12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources recommended

**Course Description:** Small animals are special creatures; whether you are a cat person, a reptile lover, or you prefer pocket pets, you will experience it all. Students will attain knowledge and skills related to animal identification, animal behavior, anatomy, and the care and management of animals ranging from small mammals such as dogs and cats to amphibians and reptiles. (Elective/CTE Credit)

## Livestock Production

(13000300 LIVEPROD) 10<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources recommended

**Course Description:** Enroll in Livestock Production and learn about the impact livestock production has on the U.S. Students will have the opportunity to learn about careers in the livestock industry, livestock management, nutrition, genetics, reproduction, and common diseases and pests of cattle, swine, lambs, goats, and poultry. (Elective/CTE Credit)

## Veterinary Medical Applications

(13000600 VETMEDAP) 11<sup>th</sup> -12<sup>th</sup> 2 credits Regular/Level 2

**Prerequisite(s):** Principles of Ag, Food & Nat Resources, Small Animal/Equine or Livestock Production, teacher approval

**Course Description:** Students will be introduced to all aspects of veterinary medicine including: Office management, medical terminology, animal breeds and behavior, animal anatomy and physiology, posology and pharmacology, animal diseases, clinical examination and practices, animal nutrition, laboratory testing and equipment, hospital and surgical procedures. Students will log 200 hours of hands on time in the classroom, surgical suite/ laboratory and in the barn with class animals. (Elective/CTE Credit)

## Veterinary Medicine Practicum

(13002500 PRACAFNR1) 12<sup>th</sup> 2-3 credits Regular/Level 2

**Prerequisite(s):** Veterinary Medical Applications

**Course Description:** Students participating in the Veterinary Medicine Practicum will be partnered with local veterinarians and Clinics. Students will shadow veterinarians and technicians. Students will complete 300 hours of laboratory skill hours in the workforce. Students are responsible for transportation to and from the practicum. (Elective/CTE Credit)

**\*\*\*Completion of the curriculum and practicum fulfills the eligibility requirement for state certification through examination by the Texas Veterinary Medical Association for Certified Veterinary Assistant (CVA) classification.**

# Business

We encourage students to take each of the courses in a Program of Study. While certain courses do not have a prerequisite, please understand we will consider students who have taken or plan to take all of the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

## Accounting & Financial Services and Entrepreneurship

### **Principles of Business, Marketing & Finance**

(13011200 PRINBMF) 9<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** Students actively engage in the marketing, advertising, and financial processes through projects and case studies. It is the perfect introduction to Accounting, Marketing specialties and Business Information Management I. (Elective/CTE Credit)

### **Business Information Management I**

(13011400 BUSIM1) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Business, Marketing and Finance

**Course Description:** Learn how to create appealing spreadsheets & charts, professional looking documents, engaging multimedia presentations, and more. Microsoft Office Specialist certifications will be offered in Word. (Elective/CTE Credit)

### **Business Information Management II**

(13012400 BUSIM2) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** BIMS I

**Course Description:** Learn how to create appealing spreadsheets & charts, professional looking documents, engaging multimedia presentations, and more. Microsoft Office Specialist certifications will be offered in Word, Excel and PowerPoint. (Elective/CTE Credit)

### **Accounting I**

(13016600 ACCOUNT1) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Business, Marketing and Finance

**Course Description:** Formulate and interpret financial information for use in management decision-making. Financial statements will be prepared manually. Business simulations will be assigned in both semesters. *\*Dual Credit (p.7)* (Elective/CTE Credit)

### **Accounting II**

(13016700 ACCOUNT2) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Accounting I, Teacher recommendation

**Course Description:** This class will further your accounting knowledge and take a deeper dive into the field of accounting. Spreadsheets and computerized accounting software will be utilized throughout the course. Students will have an opportunity to get certified in QuickBooks Account Software. (Elective/CTE/Math Credit)

### **Career Preparation I**

(12701300 CAREERP1) 11<sup>th</sup> -12<sup>th</sup> 2-3 credits Regular/Level 2

**Prerequisite:** students must have a paid / unpaid job

**Course Description:** Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. Students must have approved employment within the first 10 days of school. Students will be required to work 15 clocked hours per week. (Elective/CTE Credit)

### **Entrepreneurship**

(13034400 ENTREP) 11<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Business, Marketing and Finance

**Course Description:** Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. (Elective / CTE Credit)

**Entrepreneurship II**

(N1303423 ENTREP2)

11th -12th

1 credit

Regular/Level 2

**Prerequisite(s):** Principles of Business, Marketing and Finance, Entrepreneurship

**Course Description:** The purpose of the course is to prepare students with the knowledge and skills needed to become a successful entrepreneur within an innovative marketplace. The goal and outcome of the course is for students to have their business launched by the end of the course or have the tools necessary to launch and operate their business. Students are encouraged to work in close cooperation with local industry leaders, community members, and educators to develop ideas and objectives, complete a business model canvas, pitch to potential investors, register with governmental agencies, develop their brand identity, and participate in local chamber of commerce meetings and events.(Elective)

**Business Management Dual Credit/ Blinn Principles of Management**

(13012100 BUSMGT / Blinn MGMT 1327)

11th -12th

1 credit/ 3 college hours

Advanced/Level 1

**Prerequisite(s):** Teacher recommendation, Student and guardian must sign contract for class

**Course Description:** Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills. This course is a 3 hour college credit class taught by HISD staff over a full school year. There is no fee for this course.

# Healthcare Therapeutics

We encourage students to take each of the courses in a Program of Study. While certain courses do not have a prerequisite, please understand we will consider students who have taken or plan to take all of the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

## Principles of Health Science

(13020200 PRINHLSC) 9<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** Discover a medical career that interests you by exploring a wide variety of medical occupations. Meet new people with similar interests in the medical field. Learn about the challenges and rewards of working in the healthcare field under an experienced health care professional. Explore the history of health care, basic medical vocabulary, introductory anatomy and physiology, human developmental stages, medical ethics, multiculturalism, as well as communication and leadership skills needed to be successful in health care. (Elective/CTE Credit)

## Health Science Theory

(13020400 HLTHSCI) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Biology

**Course Description:** The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. (Elective/CTE/Science credit)

## Medical Terminology/Dual Credit

(13020300 MEDTERM/HITT1305) 11<sup>th</sup>-12<sup>th</sup> 1 credit Advanced/Level 1

**Prerequisite(s):** Principles of Health Science recommended, application to Blinn College

**Course Description:** This one semester course is designed to help students develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. TSI minimums do not need to be met to enroll in this course. (Elective/CTE credit) Fee: Students pay a portion of Blinn tuition (\$90) each semester.

## Human Anatomy & Physiology

(13020600 ANATPHYS) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Biology and a second science credit

**Course Description:** Comprehensive study of anatomy and physiology of the human body. An overview of histology, general anatomical terminology, and detailed investigation of all body systems. Major mammalian dissection included. (Elective/CTE/Science credit)

## Practicum in Health Science (Beginning 2023-2024)

(13020500 PRACTHELS) 12<sup>th</sup> 2-3 credits Regular/Level 2

**Prerequisite(s):** Biology and Health Science Theory

**Course Description:** Students participating in the Health Science Practicum will complete the Texas Curriculum for Nurses Aides in Long Term Care Facilities. This includes 40 hours of supervised patient interactions and care. Students will be provided an opportunity to sit for the Texas Certified Nursing Aide Exam. Students are responsible for transportation to and from the practicum. (Elective/CTE Credit)

## Teaching and Training

We encourage students to take each of the courses in a Program of Study. While certain courses do not have a prerequisite, please understand we will consider students who have taken or plan to take all of the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

### Principles of Human Services

(13024200 PRINHUSR) 9<sup>th</sup>-10<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** This year-long comprehensive hands-on course will allow you to grow as a teen approaching adulthood. The course introduces topics within the Family and Consumer Sciences cluster including fashion, child development, interior design, money management, hospitality and foods. (Elective/CTE Credit)

### Human Growth & Development

(13014300 HUGRDE) 10<sup>th</sup> – 12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Principles of Human Services

**Course Description:** Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development. (Elective/CTE credit)

### Instructional Practices

(13014400 INPRAC) 11<sup>th</sup>-12<sup>th</sup> 2 credits Regular/Level 2

**Prerequisite(s):** Human Growth and Development and teacher recommendation

**Course Description:** In this two-period blocked course, students will experience field-based lessons that provide background knowledge of child and adolescent development as well as principles of effective teaching and training practices, teaching strategies, learning styles, classroom environments, brain development, and behavior management. Students will be visiting other HISD campuses as part of this course. (Elective/CTE Credit)

### Practicum in Education and Training

(13014500 PRACEDT2) 12<sup>th</sup> 2-3 credits Regular/Level 2

**Prerequisite(s):** Instructional Practices and teacher recommendation

**Course Description:** Practicum in Education and Training is a year long field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood and middle childhood and exemplary educators in direct instructional roles with elementary-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. (Elective/CTE Credit)

## Additional CTE Courses

### Computer Science I

(13027600 COMPPROG) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Algebra I

**Course Description:** Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving and decision making; digital citizenship; and technology operations and concepts. Computer Science I satisfies the first year foreign language credit. (Elective/CTE Credit/Foreign Language credit)

### Computer Science II

(13027700 COMPPRO2) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Computer Science I

**Course Description:** Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Computer Science II satisfies the second-year foreign language credit. (Elective/CTE credit/Foreign Language credit)

### Career Preparation I

(12701305 CAREERP1) 11<sup>th</sup>-12<sup>th</sup> 2-3 credits Regular/Level 2

**Prerequisite:** approved paid/unpaid employment

**Course Description:** Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. Students must have approved employment within the first 10 days of school. Students will be required to work 15 clocked hours per week. (Elective/CTE Credit)

### Career Preparation II

(12701405 CAREERP2) 12<sup>th</sup> 2-3 credits Regular/Level 2

**Prerequisite(s):** Career Prep 1, approved employment

**Course Description:** Students will earn credits while in the classroom and on the job. In class students will continue investigating post-secondary education choices and combine paid employment with instruction to enhance leadership skills, management, communication, employability skills, and much more to prepare them for the world of work. Along with the class instruction, the instructor and the student's employer/supervisor will work together to help the students learn the process needed to advance in the workplace. Students will be required to work 15 clocked hours per week, totaling 270 hours per semester, 540 per academic school year. Students must obtain approved employment within the first 10 days of school and are responsible for providing their own transportation to and from work. (Elective/CTE credit)

## Elective Courses

### News Journalism

(03230100 JRNL5M) 10<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Good writing skills and teacher recommendation

**Course Description:** In-depth and intensive study of journalistic interviewing and forms of writing and the basic principles of newspaper layout, including photography and design. Students will produce the monthly student newspaper. (Elective credit)

### Yearbook Production I, II, III

(03230110 YBK1, 03230120 YBK2, 03230130 YBK3) 10<sup>th</sup> -12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Sophomore standing or higher, application required

**Course Description:** Focuses on production and marketing of the school yearbook. Requires ability to assume responsibility, meet deadlines, and work independently on projects that require time outside of school. Students produce all elements of yearbook pages, including photos, stories, captions, and layout, using InDesign, Photoshop, and digital photography. After their first year, juniors and seniors in editor positions are eligible for advanced contracts. (Elective credit)

### Reading I, II, III

(03270700 READ1, 03270800 READ2, 03270900 READ3 )

**Prerequisite(s):** Teacher placement

**Course Description:** This high school reading course strives to help students reach a reading level consistent with their grade level by supporting growth of fluency, phonics, decoding, word recognition, spelling, and general comprehension. The goal of this course is to ensure that high school students have opportunities to read with competence, confidence, and understanding and can be successful in other courses and on all subjects of state assessments. (Elective credit)

### Methodology of Personal and Academic Success (MAPS)

(N1130021 MAPS ) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Teacher Placement

**Course Description:** The course focuses on the skills and strategies necessary for students to structure a successful academic career. Students will explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals. After identifying their individual learning styles and abilities, students will build on these abilities by developing critical time-management, organization and study skills. The course focuses on self-understanding, decision-making, resiliency, attitude, character education, and leadership to help students maximize personal achievement. Students will develop the specific strategies necessary to achieve their personal and professional goals. The course emphasizes proactive problem-solving, self-determination, and independent thinking and learning skills. In addition, students will explore and experience collaboration as a tool for creative problem solving. As part of goal setting and leadership activities, students may complete an outside community service learning experience in addition to class assignments. (Elective credit)

### Texas College Bridge

(CP110100 CPELA, CP111200 CPMAT )11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Teacher placement

**Course Description:** This customized course uses student testing data to create a personalized study plan to help a student achieve their passing TSI status for college enrollment. There is an ELA and Math component to this course. Students who successfully complete the course will earn their College Ready graduation cords and secure certification for freshman college enrollment in ELA and Math courses. This is a self paced course with an HISD staff facilitator. Other topics such as college applications, financial aid, scholarship essays and employment will be covered. (Elective credit)

### Career Investigations

(N1270153 GEMPLS) 9<sup>th</sup>-10<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** This course introduces the world of work in order to facilitate successful transition planning. Topics focus on combining self-knowledge with career choices through interest inventories and career research. Students are also introduced to job skills, training skills, and social skills needed for employability and independent living. This course could include experience with a school-based enterprise, experience in a work center, and field trips for career exploration. (Elective Credit)

### Career Preparation Block

(12701300 CAREERP2)11<sup>th</sup>-12<sup>th</sup> 2 credits Regular/Level 3

**Prerequisite(s):** Individual Education Plan

**Course Description:** This course is designed to prepare students for competitive employment and independent living. Topics

include productive work habits and attitudes, the process of career planning and employment, the application and interview process, and the effects of change in the workplace. The educational setting for this course is the classroom, the campus community, and/or training sites in the community. (Elective Credit)

### **Career Employment Block**

(12701400 CAREERP2) 12<sup>th</sup> 2 credits Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** This course is designed to assist students in making a smooth transition from academic pursuits to employment. The level of supervision is to be determined by the ARD committee as are the minimum number of hours of employment to be successful in the program. (Elective Credit)

### **Reading Improvement I, II, III**

(03270700 READ1; 03270800 READ2; 03270900 READ3)

**Prerequisite(s):** Individualized Education Plan

**Course Description:** A supportive reading course modified to complement the learning requirements of students whose difficulty in reading significantly impacts their acquisition of knowledge and skills. Students practice using speaking, listening, reading, and writing strategies in an integrated reading classroom. This course includes an emphasis on relevant and meaningful applications for reading in today's society, along with learning techniques and test-taking strategies. (Elective Credit)

### **Life Skills – Daily Living 1-4**

9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** Developed to integrate the domestic, recreation, leisure, and school community domains. Students investigate, through activity-based sessions, a variety of activities associated with the daily living experience. Students will study areas of cooking, safety, leisure, responsibilities, budget, time management, first aid, and communication. Personal safety and responsibility will be examined in terms of taking care of one's self, others, and/or pets. Health care, transportation, telephone skills, and appropriate recreation activities are addressed. Students will experience strategies to respond to potential emergencies that may appear in the process of daily living. (Elective Credit)

### **Vocational Work**

9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** Students may only enroll in these courses if they are concurrently enrolled in Career Prep Block and Career Experience Block. (Elective Credit)

### **Social Skills I-IV**

9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 3

**Prerequisite(s):** Individualized Education Plan

**Course Description:** Students will work with teachers and peers to improve and develop communication skills appropriate to a variety of situations. . (Elective Credit)

## **No Credit Courses**

**Student Aide-Office** 10<sup>th</sup>-12<sup>th</sup> no credit

**Prerequisite(s):** Approval of Assistant Principal and Counselor

**Course Description:** Students assist in various office procedures in administration offices

**Student Aide-Library** 10<sup>th</sup>-12<sup>th</sup> no credit

**Prerequisite(s):** Approval of Librarian

**Course Description:** Students will assist in shelving books, basic cleanup, tidying furniture, etc. Only one student may be assigned per period.

**Study Hall** 10<sup>th</sup>-12<sup>th</sup> no credit

**Prerequisite(s):** Counselor Approval

**Course Description:** Study hall gives the student an opportunity to get homework done during the school day.

## Alternative Learning Center

*All remote students will be enrolled at the Alternative Learning Center for the 2021-2022 school year. All courses will be facilitated through Edgenuity. All courses are self-paced. The following courses will meet the requirements for the Foundational High School Diploma.*

### English I

(03220100 ENG 1) 9<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** This course prepares all students to grow as thoughtful readers, thinkers, communicators, and writers. Students will learn to ask meaningful questions, seek answers, and critically reflect on the results. English I prepares students for expository and argumentative writing, but students will also continue to work on narrative and informational writing. In their reading, students will be encouraged to learn about themselves and the world around them by critically engaging with a variety of texts. This course will challenge and grow students on grade level standards. (English credit and Speech Requirement)

### English II

(03220200 ENG 2) 10<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** English I

**Course Description:** This course prepares all students to grow as thoughtful readers, thinkers, communicators, and writers. Students will learn to ask meaningful questions, seek answers, and critically reflect on the results. English II prepares students for persuasive writing, but students will also continue to work on narrative and informational writing. In their reading, students will be encouraged to learn about themselves and the world around them by critically engaging with a variety of texts. This course will challenge and grow students on grade level standards. (English credit and Speech Requirement)

### English III

(03220300 ENG 3) 11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** English I, II

**Course Description:** This course has been designed to help students develop into more engaged, confident, and effective communicators. Students will work in a variety of American fiction, nonfiction, drama, poetry, short stories, and essays. Class time will often focus on reading, writing, and conferring with the teacher and other students. Instruction will focus on developing students' analytical reading and writing skills. Assessments will focus on analysis, relevance, process, and progress. (English credit and Speech Requirement)

### English IV

(03220400 ENG 4) 12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** English I, II, III

**Course Description:** Survey of political, religious, philosophical, and literary movements in literature from the Anglo-Saxons to the 20th century. Exposure to major authors, works, and themes, focusing on literary analysis and poetry. Emphasis on reading, writing, language usage, literary devices, and research skills. Preparation for the world beyond high school is a constant motif. (English credit and Speech Requirement)

### Algebra I

(03133500 ALG 1) 9<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Grade 8 math

**Course Description:** Covers the topics of equations, inequalities, exponents, functions, linear functions, systems of linear functions, polynomials, factoring, quadratic equations, and quadratic and exponential functions. The use of graphing calculators is incorporated throughout to support the curriculum. Passing the Algebra I End of Course exam is required for graduation. (Math credit)

### Geometry

(03100700 GEOM) 9<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** 75 or higher in Alg 1, passed Alg 1 EOC

**Course Description:** Introduction and basics of plane, solid, and coordinate geometry. Emphasizes geometric knowledge of physical space, deductive and inductive reasoning, and the integration of geometry and algebra. (Math credit)

**Algebra II**

(03100600 ALG 2) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Algebra I & Geometry

**Course Description:** Designed to prepare students for higher level math through study of equations, inequalities, and functions. Both algebraic and graphic methods are used in problem solving. Some key topics include linear equations and inequalities, matrices, quadratic functions, exponential and logarithmic functions, rational expressions, and rational functions. The use of a graphing calculator is incorporated throughout to support the curriculum. (Math credit)

**Biology**

(03010200 BIO) 9<sup>th</sup>-11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** Study of cell function, systematic approach to organisms, principles of heredity, taxonomy, ecological principles, and an introduction to botany. Biological principles are reinforced by strong lab experience. *\*\*Students who do not pass the Biology EOC will be required to meet with science teacher or counselor to discuss future science course selection\*\** (Science credit)

**Chemistry**

(03040000 CHEM) 10<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Pre-Requisites:** one unit of high school science, Algebra I. Recommended completion or concurrent enrollment in second year of mathematics.

**Course Description:** Laboratory-oriented course which emphasizes theoretical foundations of chemistry and development of skills in manipulation, acquisition, classification, and communication of data. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. (Science credit)

**Physics**

(03050000 PHYSICS) 11<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Algebra II or concurrent enrollment

**Course Description:** Laboratory-oriented course emphasizes concepts of physics and mastery of skills in manipulation of equations, acquisition of data from observation and instrumentation, classification of motion, and communication of data via graphs, pertaining to motion, heat, electricity, magnetism, sound, light, and nuclear energy. (Science credit)

**World History**

(03340400 W HIST) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** The world history course covers the history and development of a variety of world civilizations past and present. Students will develop a basis for comparing various ways of life and cultural patterns and an understanding of the way these patterns occurred over time. Major topics examined include the Rise of Civilizations, Classical Civilizations, Medieval Era, Emergence of the Modern World, Age of Revolution, Industry and Nationalism, World in Conflict, World Wars, and the Contemporary World. (Social Studies credit)

**U. S. History**

(03340100 US HIST) 11<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** World Geography or World History

**Course Description:** This course incorporates the study of significant people, issues, and events that have shaped the development of the American economy, government, politics, and society today. Students will briefly review the early history of the U.S. and major founding documents. Course emphasis is on cause and effect and students will explore time periods such as the Progressive Era, American Imperialism, the Roaring 20s, the World Wars, the Great Depression, the Cold War, and the Modern Era. (Social Studies credit)

**U. S. Government**

(03330100 GOVT) 12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** Senior level course only

**Course Description:** Students will examine political ideology, comparative political systems, the Constitution, civil liberties and civil rights, the three branches of government, Texas and local government, law and criminal procedures, political parties, campaigns, and the responsibilities of citizenship. Course will emphasize the interaction between citizens and the American political system. (Social Studies credit)

**Economics**

(03310300 ECO-FE) 12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** Senior level only

**Course Description:** This course provides students with a general overview of U.S. Economic activities, including basic differences between capitalism, socialism, and communism; the influence of American ideals of democratic government, laws, customs, and institutions on free enterprise; and familiarization with basic economic terms. Course also includes an in-depth unit on personal financial literacy, including concepts such as budgeting, taxation, insurance, banking, and investing. (Social Studies credit)

**Personal Financial Literacy**

(03380082 PFL) 10<sup>th</sup>-12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** none

**Course Description:** Course will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. It includes instruction in methods of paying for college and other postsecondary education and training along with completing the Free Application for Federal Student Aid (FAFSA). Students will analyze the relationship between education and training and earnings potential; evaluate the quality of potential college, postsecondary education, and training courses; evaluate the total cost of these programs; and analyze the advantages and disadvantages of various sources of funds to pay for their education. **(Elective Credit/ Local Graduation Requirement)**

**Spanish I**

(03440100 SPAN 1) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

**Course Description:** Introduction to the Spanish language, people, culture, history, and geography with emphasis on the language skills, listening comprehension, speaking, reading, and writing. (LOTE credit)

**Spanish II**

(03440200 SPAN 2) 9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** Spanish 1

**Course Description:** Review and further development of basic skills. Reading and writing activities increased. Culture, history, and geography of Spanish speaking countries integrated into the curriculum. (LOTE credit)

## **ALC ELECTIVES**

### **Art I**

(03500100 ART 1)  
9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

### **Personal Wellness**

(PES00052 Physical Education)  
(03810100 Health)  
9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

### **Fundamentals of Computer Science**

(03580140 Elective)  
9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

### **Money Matters**

(13016200 Elective)  
9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

### **Cyber Citizenship**

(N1260001 Elective)  
9<sup>th</sup>-12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** None

### **Introduction to Computer Applications**

(03580900 Elective)  
9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

### **Career Exploration**

(12701300 Elective)  
9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

### **Principles of Arts, A/V Technology, & Communications**

(13008200 Elective)  
9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

### **Business Information Systems**

(13011400 Elective)  
9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

### **Data Entry**

(13011300 Elective)  
9<sup>th</sup>-12<sup>th</sup> .5 credit Regular/Level 2

**Prerequisite(s):** None

### **Principles of Business**

(13011200 Elective)  
9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None

### **Principles of Information Technology**

(13027200 Elective)  
9<sup>th</sup>-12<sup>th</sup> 1 credit Regular/Level 2

**Prerequisite(s):** None