

A&M Consolidated High School
College Station High School

2023-2024

Planning Guide

Class of 2024, 2025, 2026



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Envision Your Future

CSISD Framework for Success



College Station ISD continuously plans ahead to determine the best ways to prepare students for the future. The CSISD Strategic Design Team comprised of thirty-eight members met in 2021 to create the CSISD Strategic Framework. The complete Strategic Framework is available on the CSISD website and may be accessed via the QR code featured here. This framework is the focus of our work as we refine our practices to continuously improve as a district. Envisioning life after graduation is a key component of each student planning their high school experiences, and the CSISD Vision and Learner Outcomes included below are key components of that guide this process:

CSISD's Vision

CSISD learners, teachers, leaders and the community collaborate to foster lifelong learning through relevant growth opportunities and meaningful relationships.

Together we prepare our learners for their own unique **success -- each life... each day... each hour.**



CSISD's Learner Outcomes

These learner outcomes describe the attributes, knowledge, and skills we strive for all students to achieve during their time in CSISD. Learners will...

- Develop their own learning path to achieve individual goals
- Establish knowledge and skills to achieve personal success
- Learn how to turn failure into opportunity
- Experience an abundance of diverse learning options
- Be engaged and involved in their school and the community
- Communicate effectively and responsibly on multiple platforms across diverse audiences
- Graduate career, college or military ready

All students should graduate from high school ready for college, careers, and life, prepared to pursue the futures of their choosing.

College, Career, and Military Readiness Requirements

The Texas Education Agency (TEA) lists ways high school students can demonstrate readiness for college, career, and military endeavors after high school. Rather than being required for high school graduation, the CCMR criteria exist in part to provide students with indications that they are prepared for college and the world of work.

Progress toward these indicators is also monitored to determine how well schools are preparing students for life after high school. Many students meet several of the criteria during their high school careers. CSISD strives for each graduate to meet at least one of the CCMR indicators through high school programming. TEA adjusts the list of CCMR indicators from time to time according to new options available to students. High school students and parents may use the list to understand and plan for ways to meet CCMR benchmarks and readiness criteria. School counselors meet with students yearly to select the courses that will best prepare them to meet their graduation and postsecondary goals and are an excellent resource for postsecondary planning.

Graduates can demonstrate college, career or military readiness in the following ways within CSISD:

- Meet the Texas Success Initiative (TSI) Criteria in ELA/Reading and Mathematics on the SAT, ACT, or by successfully completing and earning credit for a college prep course as defined in the Texas Education Code.
- Earn dual course credit of at least 3 hours in ELA or mathematics or 9 hours in any subject area
- Meet criterion score of 3 or higher on an Advanced Placement (AP) exam
- Earn an industry-based certification from the approved list from TEA
- Graduate with a completed Individualized Education Program (IEP) and workforce readiness
- Graduate under an advanced diploma plan and be identified as a current special education student
- Earn a Level I or Level II certificate
- Enlist in the Armed Forces and submit the required DD Form 4 by the Spring following graduation

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 for graduation. Each year the Texas Success Initiative (TSI) exam is offered on the high school campuses to current juniors and seniors. There is a minimal fee to take the test. Details about testing dates can be found in the Counseling office at each high school. TSI is typically taken by students who desire to attend college but have not taken the SAT/ACT or made a high enough score for college admission.

CSISD will use Texas College Bridge (TCB), an online, personalized College Preparatory Math (CPMATH) and English (CPELA) course to build college readiness skills. Upon successful completion of the TCB courses, students will earn credit for CPMATH and CELA. To receive the college prep credit, all coursework must be completed on-site. College Prep courses are excluded from GPA and ranking.

Texas Success Initiative Eligible Students:

- Seniors and juniors who do not take ACT, SAT, or TSIA/TSIA2
- Seniors and Juniors who tested and did not meet college readiness benchmarks in either ELAR or math, and
- Seniors who completed Algebra II. Seniors currently enrolled in Algebra II, will have access to TCB Math in their Algebra II-12 class.

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 re-view your final transcript to make a final certification decision according to NCAA standards. Apply for certification at 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 (4) receive certification of amateur status. When registering for the Eligibility Center, you must complete the Amateurism Survey found at www.eligibilitycenter.org (5) traditional school credits are the only credits accepted by NCAA. Correspondence, credit by exam, credit recovery and night school are not accepted.

Xello (Middle School and High School)

Xello is an online college, career and military exploration and planning program that gives middle and high school students more control of their exploration and preparation for postsecondary success. Activities focus on assessing, recording and reflecting on strengths, skills, and interests and thinking critically about how to apply new knowledge to create plans.

Students may search for colleges and majors by many different factors, including location, cost of attendance, programs offered, average admissions criteria, and more. Xello has career interest surveys to help students define their personal preferences and align them with possible careers to explore. Descriptions of numerous careers are available, including the typical education needed to work in the field, median income, typical daily tasks, and more. Students may save searches and create a portfolio and resume, as well.

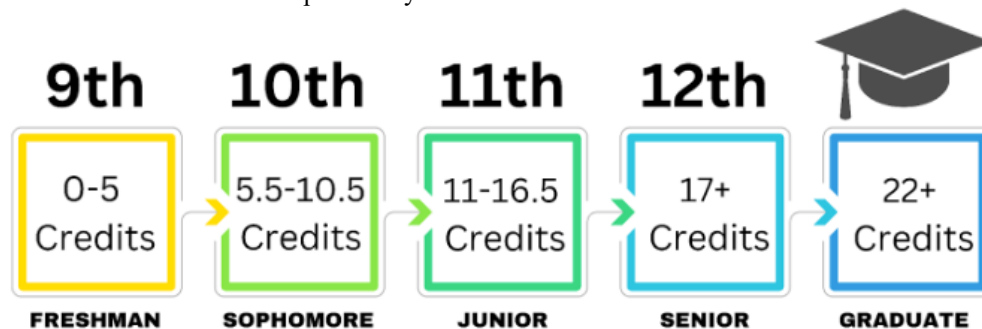
Additionally, students register for high school courses online through Xello. Current high school students will review their four-year plans in Xello and confirm their course selections. Incoming freshmen will build their four-year plans in Xello. Students can see past and current courses and add new courses for future school years.

Five-Year Plans

Five Year Plans are created in 8th Grade. This plan is a working document used by counselors to track student completion of graduation requirements. Starting in middle school, counselors educate students on the many program choices available in high school, assist them in understanding endorsement options required for graduation, and advise them on various course sequences to earn an endorsement. Students also explore career clusters and learn about the skills needed to do specific jobs.

Earning Credits & Student Classification

Credit is earned for courses in high school according to passing grades in each course. Each semester of a course is worth .5 credits, except in some Career Technical Education courses where the class is more than one class period per day. Credits earned through summer school, credit by exam, or correspondence need to be turned into the counseling office before the first day of school for classification purposes. This is the student's responsibility.



Required State Assessments for Graduation

Students will take the State of Texas Assessments of Academic Readiness (STAAR) exam at the end of English I, English II, Algebra, Biology, and U.S. History. To graduate, a student must achieve at least “approaches grade level” on each exam. Retest opportunities are available in spring, summer, and fall for students who do not pass their exams. HB 4545 requires students to be offered 30 hours of tutorials for each exam he/she fails. Tutorials 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. HB 999 allows for 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 a series of requirements. English Language Learners who use the English I special provision must count that assessment as one of their failed assessments.

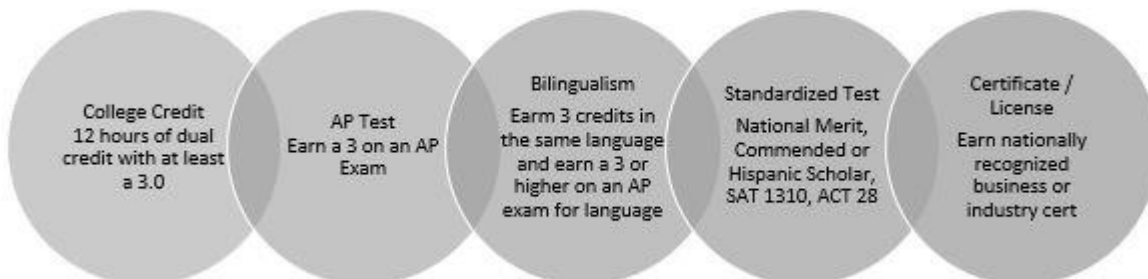
Other Graduation Requirements

The following are required for every senior before they can graduate:

- (1) Students must complete the FAFSA graduation requirement.
- (2) Students must watch the Police Officer Interaction video.
- (3) Students must complete CPR/AED training.

Performance Acknowledgements

To receive a Performance Acknowledgement, students must complete an application which is available in the counseling office or on the high school webpage. Applications are due in the counseling office by the beginning of May of the student's senior year. A student may earn a performance acknowledgment on their transcript for outstanding performance in one or more of the following ways:



High School Credit Requirements for Graduation

Students graduating from a Texas high school must complete graduation requirements outlined by the state and receive a passing score on each of the five End of Course (EOC) Exams. Each student will graduate under one of the graduation plans. All students automatically start under the FHSP with Endorsement. **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 also applies to students eligible for automatic admission by graduating in the top ten percent of their class. If a student wants to graduate under the Foundation High School plan without an endorsement, the student must attend a meeting with the counselor and a parent to discuss post-secondary impacts.

Foundation High School Program Distinguished Level of Achievement		Foundation with Endorsement CSISD Graduation Standard		Foundation No Endorsement	
26 credits		26 Credits		22 Credits	
English (4 credits)	English I English II English III English IV(recommended) or authorized substitute	English (4 credits)	English I English II English III English IV(recommended) or authorized substitute	English (4 credits)	English I English II English III English IV(recommended) or authorized substitute
Math (4 credits)	Algebra I Geometry Algebra II Additional credit in any upper level math course	Math (4 credits)	Algebra I Geometry Two additional credits in any upper level math course	Math (3 credits)	Algebra I Geometry Additional credit in any upper level math course
Science (4 credits)	Biology IPC, Chemistry or Physics Two additional credits in an upper level science course	Science (4 credits)	Biology IPC, Chemistry or Physics Two additional credits in an upper level science course	Science (3 credits)	Biology IPC, Chemistry or Physics One additional credit in an upper level science course
Social Studies (3 credits)	World History or World Geography (both for Multidisciplinary Endorsement) US History Government / Economics	Social Studies (3 credits)	World History or World Geography (both for Multidisciplinary Endorsement) US History Government / Economics	Social Studies (3 credits)	World History or World Geography (both for Multidisciplinary Endorsement) US History Government / Economics
Foreign Language (2 credits) Two levels in the same language or Computer Science I and II		Foreign Language (2 credits) Two levels in the same language or Computer Science I and II		Foreign Language (2 credits) Two levels in the same language or Computer Science I and II	
Physical Education (1 credit) PE substitutes (band, drill team, cheer, athletics)		Physical Education (1 credit) PE substitutes (band, drill team, cheer, athletics)		Physical Education (1 credit) PE substitutes (band, drill team, cheer, athletics)	
Fine Arts (1 credit)		Fine Arts (1 credit)		Fine Arts (1 credit)	
Electives (7 credits) Credits must meet the requirements of at least one endorsement		Electives (7 credits) Credits must meet the requirements of at least one endorsement		Electives (5 credits)	
Distinguished Level of Achievement Distinguished Level of Achievement is the Foundation / Endorsement Plan including Algebra II. Students are eligible for top 10% automatic admission to state universities.		Endorsements A student may earn an endorsement by successfully completing curriculum requirements for the following areas: STEM, Business and Industry, Public Services, Arts and Humanities, Multidisciplinary Studies		Performance Acknowledgements This may be earned for (1) outstanding performances in (a) dual language (b) bilingualism and biliteracy (c) on an AP exam (d) or on the PSAT, SAT or ACT or (2) earning a nationally or internationally recognized business or industry certification or license.	

Endorsements

An endorsement is a pathway a student has chosen for their coursework in high school. CSISD offers all five of the endorsement options offered by the State of Texas. We default students to the multidisciplinary endorsement because these core academic courses are required for admission to most four-year universities. However, we highly encourage students to choose an additional endorsement in consultation with their counselors. The chart below outlines the course requirements for earning different endorsements.

Courses	STEM	Business / Industry	Public Services	Arts / Humanities	Multi-disciplinary
English	English 1,2,3,4	English 1,2,3,4	English 1,2,3,4	English 1,2,3,4	English 1,2,3,4
Math	Alg 1, Geom, Alg 2 plus 1 adv math	Alg 1, Geom, Alg 2 plus 1 adv math	Alg 1, Geom, Alg 2 plus 1 adv math	Alg 1, Geom, Alg 2 plus 1 adv math	Alg 1, Geom, Alg 2 plus 1 adv math
Science	Bio, Chem, Physics plus 1 adv science	Bio, IPC or adv science plus 2 adv sciences	Bio, IPC or adv science plus 2 adv sciences	Bio, IPC or adv science plus 2 adv sciences	Bio, Chem, Physics plus 1 adv science OR Chem or Physics plus 2 adv science
Social Studies	W Geog or W. Hist and US Hist, Gov/Econ	W Geog or W. Hist and US Hist, Gov/Econ	W Geog or W. Hist and US Hist, Gov/Econ	W Geog or W. Hist and US Hist, Gov/Econ	W Geog, W. Hist, US Hist, Gov/Econ
LOTE	2 years of the same language in sequence	2 years of the same language in sequence	2 years of the same language in sequence	2 years of the same language in sequence	2 years of the same language in sequence
Fine Arts	1 credit	1 credit	1 credit	1 credit	1 credit
Physical Education	1 credit – can be from athletics, PE or other PE substitute	1 credit – can be from athletics, PE or other PE substitute	1 credit – can be from athletics, PE or other PE substitute	1 credit – can be from athletics, PE or other PE substitute	1 credit – can be from athletics, PE or other PE substitute
Electives from CTE or additional core classes	Engineering or 5 credits math or 5 credits science Math – Alg, Geom, Alg 2 plus two of: Pre Cal, AP Stat, AP Calc AB or BC Science – Bio, Chem, Physics plus two of: additional science classes Adv CTE courses include: Princ of Engineering, Civil Engineering, Pract in STEM I / II	Coherent sequence of courses totaling 4 or more credits, two in a sequence and one Level 3 or 4 CTE course from the Programs of Study listed below... Ag, Food and Natural Resources, Construction, Arts and A/V, Business, Info Tech, Hospitality & Tourism Can also be four credits from debate, yearbook or newspaper	Coherent sequence of courses totaling 4 or more credits, two in a sequence and one Level 3 or 4 CTE course from the Programs of Study listed below... Education and Training, Health Science, Law and Public Safety	World Languages, Social Studies, Fine arts Five Social Studies classes Four levels of the same Foreign Language Two levels of two different languages Four credits of the same fine arts program	Electives can be from any CTE program of study or core classes

Grade Point Averages and Ranking

GPA's are computed at the end of each semester. All grades on a student's transcript, including failing grades and repeated courses (for remediation), will be included in GPA and class rank except as stated below. Advanced and Advanced Placement 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 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 basis of weighted grade averages. When reporting GPA's to colleges and universities, a numerical weighted value is reported. If a student repeats a course for remediation only, the existing grade as well as the new grade is averaged into the GPA. Credit is received only once. If a student is denied credit due to excessive absences, the grade will be calculated into the GPA as failing. A grade of WF is calculated in the GPA as zero grade points. When a student successfully completes a semester of work with a grade of 70 or higher, one-half (1/2) credit is earned. Each semester stands alone.

Courses Used in Calculations Include - High school-level Advanced courses at middle school; Dual Credit courses; Grades earned at other accredited high schools; Courses taken at CSISD high schools (including summer school and courses taken for initial credit or credit recovery)

Courses NOT Used in Calculations Include - Non-Advanced High School courses taken at the middle school; Courses taken at Texas A&M University, Blinn College, or any other university or college except those earned as part of our Dual Credit Program; Correspondence courses or Credit by Exams (remediation or acceleration) or off campus (preapproved) P.E. equivalents (the grade earned in these courses will appear on the transcript, but it does not calculate in the GPA); Noncredit courses; Semester grade of WP; Non-accredited schools, programs, or curricula

GPA Calculation Chart

The following chart shows the conversion from numerical grades to the rank (weighted) GPA. This chart is applicable to the Graduation Classes of 2024, 2025 and 2026 only.

Semester Grade	Advanced or AP Courses	On-Level Courses
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	1.4	1.4
73	1.3	1.3
72	1.2	1.2
71	1.1	1.1
70	1.0	1.0
69	0.0	0
All classes below a 69 receive 0 credit		

Course Enrollment Requirements & Request Process

Course Requests / Schedule Changes

It is important for students to select courses based on their personal 4-year 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 those courses may be used in the event a course request does not fit in the master schedule or a course doesn't have enough students to be offered in the final master schedule. Courses offered are subject to interest and staffing.

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

Parents of 8th grade students will have an opportunity to get help with registration. Parents are strongly encouraged to attend one of the help sessions or schedule an appointment with the high school counselor. The high school counseling office is open in the summer and provides help by appointment. Course requests will be final June 15, 2023. After this time, requests for changes may be considered based upon course availability. Students who are concerned about any course request should sign up to see a counselor prior to the June 15 deadline. A request to change a course/drop a level will likely change the student's entire schedule. We do not overload classes to make schedule changes. If we need to switch multiple courses to keep them balanced, we will do that.

Level Change Procedures

For students enrolled in AP or Advanced courses, the following guidelines will need to be met for a level change to be made: (1) students must stay in the class for a minimum of two weeks before they can consider dropping a level (2) pick up the level change form from the counseling office after two weeks and begin the process of dropping. All students are required to complete the requirements outlined on the drop form (3) meet with the teacher to discuss the level change (4) if they decide to drop the level, the student must turn in the completed form with all required signatures to the counseling office no later than the 9th week of classes. No changes will be made after the 9th week of classes until the semester. Unweighted grades from the dropped upper-level course will be carried and added to the lower-level course. (Example: if you have a 78 in the advanced course you still transfer a 78 to the on-level course). If changing from a lower level to a higher-level course, grades from lower level will NOT transfer. Students must make up all work and assessments previously completed in the upper-level course. Decisions to move students up a level are rare.

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. Students who graduate early will have their GPA calculated in accordance with the CSISD Board Policy EIC (Local) in alignment with their graduating class.

Withdrawing From a Class

WP / WF - 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. When computing semester GPA, WP is not included and WF is averaged as a zero.

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.

Special Requirements for Physical Education/Activity Courses

A student may not enroll in more than one physical education or athletic class per semester. 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. Based upon the physical activities involved in drill team, marching band, and cheerleading during the fall semester, students may use these activities as a waiver for the required units of physical education. If a student's health warrants a homebound placement, a modified physical education curriculum will be delivered by the campus homebound teacher. Off-campus PE must be approved through Central Office before the first day of each school year.

Language Other Than English (LOTE) Substitutes

The Foundation High School Program requires a student to complete two levels of language other than English. If a student, after completing the first level of a language, demonstrates he/she is unlikely to be successful in the second level of the same language, a substitution can be discussed with the counselor, student, and parent. The substitute can't be used to satisfy the coherent sequence requirement for any endorsement. It also may not fulfill the admissions requirement for most colleges/universities that students have two years of a foreign language. It's the student's responsibility to check their college/university to determine their admission requirements. A student, who due to a disability, is unable to complete two credits in the same language in LOTE, may substitute a combination of two credits from CTE courses. The student's ARD or 504 committee will be responsible for determining this eligibility. Any LOTE substitute will be indicated on the student's transcript with an "8."

High School Courses in Middle School

CSISD offers courses in 7th and 8th grade that count for high school credit. Students who take these courses must meet all required prerequisites. These courses and the numerical averages earned in them will be reflected on the student's high school transcript, but only Advanced courses will be eligible to be included in the high school GPA.

Beginning in 2021 and as required now in Title 19 of the Texas Administrative Code (TAC), 101.3011, students who have completed STAAR EOC assessments while in middle school must take either the corresponding ACT or the SAT while in high school to fulfill federal testing requirements.

Minimum Course Load

All students are required to enroll in seven classes (or equivalent) each semester with the following exceptions: (1) Seniors may take a total of two periods of no credit (i.e., no class, aide, etc.). Seniors must have 5 classes for credit in their Senior year. (2) Freshmen, Sophomores and Juniors may take only one period of no credit (i.e., study hall, aide, etc.). (3) Fifth-year seniors graduating at mid-term must take a minimum of two classes (4) Students enrolled in vocational cooperative training programs must be enrolled in at least two other courses each semester (5) High school students enrolled in Blinn, or seniors enrolled in TAMU courses must enroll in a minimum of four credit courses on the high school campus. The student is allowed 30 minutes travel time before and after the class. CSISD will not provide transportation.

Seniors must have met the College, Career, and Military Readiness as established by the Texas Education Agency standards to have two no credit classes.

Repeating a Course

A student may request to repeat a course in which credit has been earned. The following guidelines are used: (1) The course is a foundation for subsequent courses (2) No credit is earned when a course is repeated (3) The second grade appears on the transcript along with the first grade. However, only the original credited average will be used to compute the student's overall grade point average.

Partial Credit

When a student earns a passing grade in only one semester of a course and the combined grade for both semesters is lower than 70, then ½ credit will be given to the semester with the passing grade. If the combined scores are equal to 70 or above, a credit will be given to both semesters. When combining semester grades, it is possible to combine semester grades from 2 different school years.

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 which is exempted from "no pass, no play" does not cause loss of eligibility at any time unless full time status is affected.

Working During School Hours

Students may be employed during school hours only if enrolled in a career preparation program. Because employment is a required component of the programs, these programs are only open to juniors, seniors, and certain qualifying 16-year-olds. 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.

Grading & Transcripts

CSISD Grading Procedures

The complete CSISD Grading Procedures document is available for review at: https://www.csisd.org/departments/CurriculumandInstruction/grading_procedures

Transcripts

Enrolled students will receive a transcript at the beginning of the registration process. Transcripts include current GPA and ranking. Seniors wishing to send transcripts to colleges should check whether their college requires paper copies or if their college prefers electronic copies of transcripts. It is the student's responsibility to request transcripts on time. Transcript codes are listed below.

A – Adv Tech Credit	AD – Advanced	AJ – Adv Prior to HS	B – Repeat Course
C – Correspondence	D – Dual Credit	E – Credit or Accel	F – Failed
J – HS Course Before Gr 9	MD – Module Course	P – Pass or AP Course	R – Summer School
RB – Summer B	RY – Summer A	T – Credit by Exam	WP – Withdraw Passing
WF – Withdraw Failing	X – TEA Innov Course	Y – Credit Recovery	YA – Credit Recovery A
WB – Credit Recovery B	1 – PE Substitution	8 – LOTE Substitution	*Denied Credit for Att

Transfer Students

A student transferring into the District from a TEA accredited school (or an American school located outside the country) will receive the numerical grade earned in courses from that school. Weighted courses will be honored and converted to match our system.

Students from other countries will receive Ps for passing in 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		

Advanced Academics & Academic Honors

Advanced Academics

College Station ISD recognizes the value of student participation in advanced coursework, and our district is committed to providing opportunities for students to enroll in advanced academic courses.

- Advanced courses allow students to pursue areas of academic interest.
- Advanced courses are designed to challenge students beyond grade-level academic courses and prepare them for success in future advanced coursework.

Students who opt to participate in AP or Advanced courses must successfully complete prerequisite coursework and demonstrate mastery on course-related state-mandated performance assessments prior to enrollment in the course. Students and their families must acknowledge the CSISD Advanced Placement/Advanced Course Commitment Form during the InfoSnap registration process. For more information on advanced academics in CSISD, review the information on advanced courses at this link: <https://tinyurl.com/CSISDadvancedacademics>.

Top 10% Graduates

This group of students consists of both three-year and four-year graduates who fall 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 is top 6%.

Honor Graduates

To be able to graduate with honors, students must complete their final two semesters consecutively at the same CSISD high school. There will be no valedictorian or salutatorian. The highest-ranking students (the Summa Cum Laude graduates) will determine who or if a student speaks at graduation. GPA/Class rank that determines honor graduates (for graduation ceremony only) shall be calculated at the end of the 5th six weeks grading period of the senior year. Any "Valedictorian" scholarships will still be given to the top student. Classification of Honor graduates (Cum Laude – 3.5-3.69; Magna Cum Laude – 3.7-3.99; Summa Cum Laude – 4.0) will be determined by CSISD school board policy.

Board of Trustees Academic Letter Scholars Program

The Academic Letter Scholars Program recognizes students who have distinguished themselves by hard work and study as academic scholars in the College Station Independent School District. Academic Letter Jackets are given to students who meet the following criteria:

- Senior in standing
- Take English, mathematics, science, and social studies courses during the regular school year for two consecutive years in CSISD and earn an overall grade point average of 3.75 in those courses. A foreign language or "double option" (e.g., a second science, math, social studies, or English) may be substituted in a year when one of the four required areas is not in the student's schedule.
- Minimum of two Advanced courses must be taken from the four identified academic areas each year during the two-year period
- "Repeated" courses, courses for remediation, or correspondence courses may not be used in determining eligibility
- All courses considered must be classified as on level, Advanced or AP courses. All awards will be earned according to the rules applicable to the University Interscholastic League Awards Rule. The award jacket will be the same award earned in varsity athletic programs and will have the same letter except that a "lamp of knowledge" will be included at the bottom of the letter, signifying the student as an academic scholar.

College Preparatory & College Credit-Yielding

Blinn College

Students may attend Blinn Junior College. Students must have a grade point average of 3.0 and approval from a high school counselor. This grade does not count for high school credit, nor is it part of the GPA. Students must pass or be exempt from the Texas Success Initiative exam to enroll at Blinn. Students may take one or two periods to attend one class or two or three periods for two classes. Proof of enrollment must be submitted to the counselor by the second week of each semester.

Texas A&M University

Students may apply for courses through Texas A&M University's admissions office. Check with Texas A&M for exact dates. Students must rank in the top quarter of their class and have written permission to apply. Students may have two high school periods for one TAMU class or three school periods for two TAMU classes. Students may only take courses not offered on our high school campuses. Students will pay the same application fee as well as tuition and fees as regularly enrolled TAMU students. This grade does not count for high school credit, nor is it part of the GPA. Students must pass or be exempt from the TSI to apply. Proof of enrollment must be submitted to the counselor by the second week of each semester.

Dual Credit/Technical Dual Credit

Students may obtain college credit and high school credit simultaneously under an agreement with Blinn.

College and College Station ISD. Blinn and CSISD faculty teach the courses on the high school campuses. To be enrolled in a dual credit course, students must pass the TSI test (or exempt TSI), pay the required tuition to Blinn College and purchase textbooks before the course begins. Deadlines will be STRICTLY enforced. Each student is responsible for ensuring the Blinn College Dual credits will be accepted at the college of their choice. The following courses are approved for dual credit enrollment for the 2023-2024 school year:

- English IV (Blinn English 1301, 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

Students may earn college credit through Technical Dual Credit programs. Technical Dual Credit offerings are contingent on staffing each year. These programs provide the student a way to start their college technical major in high school. Each student is responsible for ensuring the Blinn College Dual credits will be accepted at the college of their choice. For more information on Technical Dual Credit courses, please contact your high school counselor or the Blinn College Technical Dual Credit office.

High School Credit Acceleration & Recovery

Credit by Exam/Correspondence

Credit by acceleration is offered during the summer through CSISD. Registration begins in the spring and is free to all students. Students must earn at least an 80 to receive credit for the course. Testing is also available during the school year but is scheduled individually. High school students who desire to take a credit by exam during the school year should contact their campus counselor to complete the registration process. Credit for recovery is available any time during the year. This expense is incurred by the student. Students must earn at least a 70 to recover credit for a course. All credits earned over the summer must be turned into the high school counseling office before the first day of classes to make sure students are enrolled in the correct course for the year. Credit by Exam and Correspondence courses count in the student's GPA as an on-level course.

Correspondence courses are available through Texas Tech University and The University of Texas. All costs are incurred by the student. Students are responsible for enrolling and ordering all their own materials. Tests can be proctored in the counseling office, but a time must be scheduled ahead of time.

Summer School & Night School

Courses are offered in the summer for advancement and for credit recovery. Tuition is set by the district and paid for by the student. Free and reduced prices are offered. Details about summer school are released in late spring each year. Contact your counselor to make sure you are signing up for courses you need for graduation. Additionally, night school is offered during the school year as an additional option for advancement and credit recovery.

Campus-Based Credit Recovery Labs

Each high school campus offers a credit recovery lab monitored by school staff where students may work on their online credit recovery courses. Students may repeat a course for credit recovery using CSISD approved software on the high school campus. Grades earned for completing eligible courses with district-approved software shall be computed for determining class rank.

All credit recovery students will earn a grade of 70 when their course is completed. Credit Recovery is used for students to recoup credit of a class that has been previously attempted but not completed successfully. Our Credit Recovery labs use the Edgenuity computer program for all credits except for Algebra II and English III; these courses use Texas College Bridge. Students using Edgenuity courses must pass each quiz, test, and cumulative exam with a grade of 70.

To remediate Algebra II and/or English III, CSISD will use Texas College Bridge (TCB), an online, personalized College Preparatory Math (CPMATH) and English (CPELA) course to build college readiness skills. Students must complete both Stage 1 and Stage 2 of the course and a passing grade for the essay assignment of the Texas College Bridge English Course. All course work must be supervised and completed on-site. Students must achieve an overall score of 90 or higher in each stage and achieve a passing grade on the required essay to receive 1.0 credit. For students who need to remediate Algebra II through Texas College Bridge Math - students can get Algebra II A, B, or both credits with a grade of 70 and receive one elective credit for CPMATH (College Prep Math) with a "P" for the grade. For students who need to remediate English III - students can get English III A, B, or both credit with a grade of 70 and receive one elective credit for CPELA (College Prep ELA) with a "P" for the grade.

Course Descriptions – English Language Arts

English I

(03220100 ENG 1)

1110 9th 1 credit 4.0

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)

English I Advanced

(03220100 ENG 1)

1133 9th 1 credit 5.0

Prerequisite(s): 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, discussing in greater depth, and refining 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, including outside of class. (English credit)

English Language Development and Acquisition

(03200800 ELDA I)

(03200810 ELDA II)

#1180, 1183 9th-12th 1 credit 5.0

Prerequisite(s): Emergent Bilingual students in the beginner or intermediate level of proficiency in English. **Corequisite:** must be taken concurrently with an ESOL or other designated English course for up to 2 elective credits.

Course Description: This course provides instruction that is focused on supporting Emergent Bilingual students identified as Newcomers through instruction that addresses all four language domains while developing social language and the basic building blocks for literacy in English for Newcomers. The course validates students' native languages and cultures while supporting acceleration of English acquisition. This course is designed for beginning to intermediate English-speaking students with less than 3 years in the United States. (Elective Credit)

English Speakers of Other Languages I, II

(03200600 ENG1 SOL)

(03200700 ENG2 SOL)

1080, 1090 9th-12th 1 credit 5.0

Prerequisite(s): Emergent Bilingual students in the beginner or intermediate level of proficiency in English.

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. ESOL 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 provides targeted and focused second language acquisition strategies that support the development of both interpersonal English skills and academic English. *Completion of this course fulfills the state English 1 graduation requirement.* (Elective Credit) ESOL II prepares students for persuasive writing, but students will also continue to work on narrative and information writing. *Completion of this course fulfills the state of the English II graduation requirement. This course is eligible for inclusion in the student's rank GPA.*

English II

(03220200 ENG 2)

1210 10th 1 credit 4.0

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)

English II Advanced

(03220200 ENG 2)

1233 10th 1 credit 5.0**Prerequisite(s):** English I credit and teacher recommendation**Course Description:** In addition to the English II course content, this course builds on skills developed in Advanced English I. Advanced English II 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)**English III**

(03220300 ENG 3)

1310 11th 1 credit 4.0**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)**English III Advanced**

(03220300 ENG 3)

#1320 11th 1 credit 5.0**Prerequisite(s):** English I, II, and 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 most of the writing assignments outside of class. This course follows a rigorous pace and often requires homework. Summer work may be required. Summer reading may be required / recommended as preparation for this course. Specific details can be found on your high school website. (English credit)**English III Advanced Placement**

(A3220100 APENGLAN)

1330 11th 1 credit 5.0**Prerequisite(s):** English I, English II and teacher recommendation**Course Description:** Builds on skills developed in Advanced English I and II. Designed to prepare students for success on the AP Language and Composition Exam, English III AP focuses on moving students from guided to independent analysis and composition of rhetoric (persuasive speaking and writing). This course requires daily home-work and independent reading. A student earning a qualifying score on the AP English Language exam may place out of three to six college credit hours. Per the College Board, the AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. Summer reading may be required / recommended as preparation for this course. Specific details can be found on your high school website. (English credit)

*** several courses can be used as substitutes for English IV: (1) Debate 3, Oral Interp 3, (2) Newspaper and Yearbook 3 (3) Creative Writing – full year or half combined with Communication Applications (4) Communication Applications ½ credit ***

English IV

(03220400 ENG 4)

1410 12th 1 credit 4.0**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)**English IV Advanced**

(03220400 ENG 4)

#1420 12th 1 credit 5.0**Prerequisite(s):** English I, II, III, and teacher recommendation**Course Description:** English IV Advanced 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. Summer reading may be required / recommended as preparation for this course. Specific details can be found on your high school website. (English credit)

English IV Advanced Placement

(A3220200 APENGLIT)

1430 12th 1 credit 5.0

Prerequisite(s): English I, II, III and teacher recommendation

Course Description: Builds on skills developed in Advanced English I and II and English III AP. Designed to prepare students for success on the AP Literature Exam, English IV AP focuses on moving students from guided to independent analysis of fictional literature (poetry and prose). This course requires daily homework and independent reading. A student earning a qualifying score on the AP English Literature exam may place out of three to six college credit hours. Per the College Board, the AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Summer reading may be required / recommended as preparation for this course. Specific details can be found on your high school website. (English credit)

English IV Dual Enrollment/Blinn Freshman English

(03220400 ENG 4)

(ENG 1301, ENG 1302)

1440 12th 1 credit 4.0

Prerequisite(s): English III credit, acceptance to Blinn College (includes application, qualifying TSIA or ACT or SAT scores, and dual credit course application before May 1; students who register for the course will have a meeting to discuss and complete these requirements)

Course Description: This course follows the required curriculum for Blinn College English 1301 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, 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 Blinn tuition and textbook fees each semester.

Creative Writing

(03221200 CREAT WR)

1480 9th -12th .5-1 credit 4.0

Prerequisite(s): none

Course Description: The Creative Writing course is designed for students who enjoy writing as a form of self-expression and art. The course will develop foundational writing habits and skills through writer participation in Writer's Workshop which fosters the development of the writer through consistent, purposeful writing; mindful, focused use of the writing process; and extensive study of craft and genre. Writers will write consistently and voluminously. They will be expected to continually generate daily, original writing to practice skills and to regularly publish workshopped writings as a measurable demonstration of skills. Writers will be required to share their work in a myriad of ways within the classroom writing community and be encouraged to seek authentic publishing opportunities outside of the classroom. Completion of both semesters is required to substitute the course for English IV. (Elective Credit)

Reading I

(03270700 READ1)

1100 9th-12th 1 credit 4.0

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)

Journalism

(03230100 JRNLSM)

1503 9th -12th .5 credit 4.0

Prerequisite(s): Good writing skills

Course Description: Review history and the contemporary role of mass print media in the United States and the law and ethics of the press; in-depth and intensive study of journalistic interviewing and forms of writing and the basic principles of newspaper layout, including photography and design. Interested students who successfully complete this course can apply for newspaper staff. (Elective credit)

Advanced Journalism: Newspaper Production I, II, III, IV

(03230140 NP1, 03230150 NP2, 03230160 NP3, 03231000 INDJOUR)

1510 First year 1 credit 4.0

1520 Second year 1 credit 4.0

1530 Third year 1 credit 4.0

1540 Fourth year 1 credit 4.0

Prerequisite(s): Journalism, application required

Course Description: Focuses on production of the school newspaper. Requires ability to assume responsibility, meet deadlines, and work independently on projects and may require time outside of school. Students produce all elements of the newspaper, including photos, stories, and design, using InDesign, Photoshop, Illustrator and Procreate.

Advanced Journalism: Yearbook Production I, II, III, IV

(03230110 YBK1, 03230120 YBK2, 03230130 YBK3, 03231000 IND JOUR)

1610 First year 1 credit 4.0

1620 Second year 1 credit 4.0

1630 Third year 1 credit 4.0

1640 Fourth year 1 credit 4.0

Prerequisite(s): 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 and may require time outside of school. Students produce all elements of yearbook pages, including photos, stories, captions, and layout, using InDesign, Photoshop, Illustrator and Procreate.

Debate 1 / Communication Applications

(03240600 DEBATE 1)

(03241400 COMMAPP)

1820 9th -12th 1-1.5 credits 4.0

Prerequisite(s): None

Course Description: Full-year course will enable student to earn 1 credit for Debate 1 with the option to earn 1/2 credit in Communication Applications at the end of the year through credit by exam. Students will learn the foundations for Public Forum Debate, Lincoln-Douglas Debate, Cross-Examination Debate, Student Congress, and Extemporaneous Speaking. Students will be expected to work independently on many projects. Students are encouraged but not required to attend speech/debate tournaments. (Elective Credit) Fee: cost for travel with speech/debate team, optional

Debate 2, Debate 3, Debate 4

(03240700 DEBATE 2, 03240800 DEBATE 3, 03241200 IND SPCH)

1840H Debate 2 1 credit 5.0

1850H Debate 3 1 credit 5.0

1930H Debate 4 1 credit 5.0

Prerequisite(s): Debate 1

Course Description: Advanced courses continue preparation in the various formats for debate. All students will be required to prepare and participate in out-of-town/overnight tournaments regularly as active members of the debate team. (Elective credit) Fee: cost for travel with speech/debate team

Oral Interpretation/Communication Applications

(03240200 ORALINT1)

(03241400 COMMAPP)

1900 9th -12th 1-1.5 credits 4.0**Prerequisite(s):** None

Course Description: Full year course will enable the student to earn ½ credit for Communication Applications and 1 Credit for Oral Interpretation. Designed for students who want advanced training in a variety of public speaking and performance activities. Students will be trained in a variety of events offered from the Texas Forensic Association (TFA), National Forensic League (NFL) and the University Interscholastic League (UIL). Students will compose original oratories, follow, and speak on current issues, and as select, analyze, and perform a variety of literary works. Students will be expected to work autonomously and complete individualized assignments by specified deadlines. Participation in Speech and Debate Team is encouraged but not required. (Elective credit) Fee: cost for travel with speech/debate team, optional

Oral Interpretation 2 Advanced, 3Advanced, 4**Advanced**

(03240300 ORALINT2, 03240400 ORALINT3, 03241200 IND SPCH)

1910 Oral Int 2 10th -12th 1 credit 5.0# 1920 Oral Int 3 10th -12th 1 credit 5.0# 1930 Oral Int 4 10th -12th 1 credit 5.0**Prerequisite(s):** Oral Interpretation 1, Debate 1 or Debate 2 Advanced

Course Description: Advanced courses continue preparation in the various formats for Oral Interpretation. All students will be required to prepare and participate in out-of-town / overnight tournaments regularly as active members of the Debate team. (Elective credit) Fee: cost for travel with speech/debate team.

Course Descriptions – Mathematics

Algebra I

(03133500 ALG 1)

2210 9th 1 credit 4.0

Prerequisite(s): Grade 8 math or its equivalent

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)

Algebra I Advanced

(03133500 ALG I)

2230 9th 1 credit 5.0

Prerequisite(s): Teacher recommendation, 95 or higher in 8th grade math

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 1 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 that require higher order thinking skills. Passing the Algebra, I End of Course exam is required for graduation. (Math credit)

Geometry

(03100700 GEOM)

2410 9th -11th 1 credit 4.0

Prerequisite(s): 75 or higher in Algebra I, passed Algebra 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)

Geometry Advanced

(03100700 GEOM)

2420 9th -10th 1 credit 5.0

Prerequisite(s): 85 or higher in Algebra I Advanced, 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)

Algebraic Reasoning

(03102540 ALGREA)

2250 10th -12th 1 credit 4.0

Prerequisite(s): Algebra I

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)

Algebra II

(03100600 ALG 2)

2510 10th -12th 1 credit 4.0

Prerequisite(s): Algebra I, 80 or above in 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)

Algebra II Advanced

(03100600 ALG 2)

2520 10th -11th 1 credit 5.0

Prerequisite(s): 85 or above in Algebra I Advanced, 85 or above in Geometry Advanced and 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)

Data Analysis

(03102530 STATS)

2540 11th -12th 1 credit 4.0

Prerequisite(s): Algebra II

Course Description: Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. The use of a calculators with statistical capabilities will be incorporated throughout the course. (Math credit)

Pre-Calculus

(03101100 PRE CALC)

2600 11th -12th 1 credit 4.0

Prerequisite(s): 80 or above in Algebra II

Course Description: Topics in this course include the study of functions, including trigonometric functions and their applications. Juniors enrolled in this course should opt for Statistics their senior year instead of Calculus. The use of a graphing calculator is incorporated throughout to support the curriculum. (Math credit)

Pre-Calculus Advanced

(03101100 PRE CALC)

2610 11th -12th 1 credit 5.0

Prerequisite(s): Algebra I, Geometry, 95 or above in Algebra 2 or 85 or above in Algebra II Advanced and 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 Statistics

(A3100200 APSTATS)

2630 11th -12th 1 credit 5.0

Prerequisite(s): 95 or above in Algebra II or completion of Algebra II Advanced

Course Description: College-level rigorous math course requiring daily preparation outside of class time. Major concepts and tools for collecting, analyzing, and drawing conclusions from data. The use of graphing calculators with statistical capabilities is incorporated throughout the course. Students who successfully complete the AP exam may receive credit for a one semester college statistics course. (Math credit) Fee: AP National Exam, optional

Advanced Placement Calculus AB

(A3100101 APCALCAB)

2810 12th 1 credit 5.0

Prerequisite(s): 80 or above in Pre-Cal Advanced and 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. Student may earn credit for one semester of college Calculus with a qualifying AP exam score. Graphing calculator is required for this course. (Math credit) Fee: AP National Exam, optional

Advanced Placement Calculus BC

(A3100102 APCALCBC)

2820 12th 1 credit 5.0

Prerequisite(s): 95 or above in Pre-Cal Advanced and teacher recommendation

Course Description: College-level rigorous math course requiring daily preparation outside of class time. Course covers AB Calculus material by the end of the 1st semester. Additional BC Topics including parametric functions, polar functions, vector functions, applications of integrals, and polynomial approximations and series are also covered. This is a very fast paced and intense course for students intending to pursue at the university level. Students may earn up to two semesters of college credit with qualifying AP exam scores. Graphing calculator is required for this course. (Math credit) Fee: AP National Exam, optional

Mathematical Applications in Ag, Food and Natural Resources

(13001000 MATHAFNR)

2584 11th -12th 1 credit 4.0

Prerequisite(s): Intro to AFNR, Algebra I

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)

Accounting II

(13016700 ACCOUNT2)

6650 11th -12th 1 credit 5.0

Prerequisite(s): Accounting I

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 with a greater analysis and interpretation of financial ratios and reports. (Elective/CTE/Math Credit)

Robotics II

(13037050 / ROBOTIC2)

6966 10th – 12th 1 credit 5.0

Prerequisite(s): Robotics I

Course Description: In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. (Elective/CTE/Math Credit)

Strategic Learning for High School Mathematics

(N1110030 STLNHSM)

2080 9th-12th 1 credit 4.0

Prerequisite(s): teacher recommendation

Course Description: This course is intended to create strategic mathematical learners from underprepared mathematics students. The basic understandings will stimulate students to think about their approach to mathematical learning. These basic understandings will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts and vocabulary. This course is an elective state credit and may be taken concurrently with or after Algebra I. The course may not be credited toward any endorsement related to high graduation. (Elective credit)

Mathematical Models with Application

(03102400 MTHMOD)

2550 10th-12th 1 credit 4.0

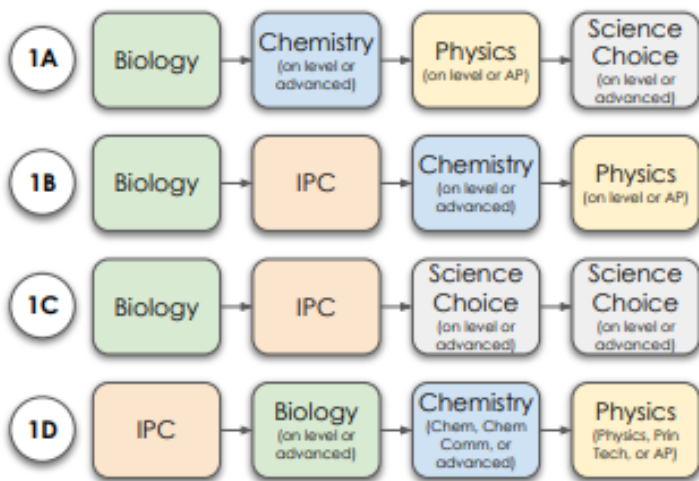
Prerequisite (s): Algebra I

Course Description: Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems. If this course is selected, it must be successfully completed prior to Algebra II.

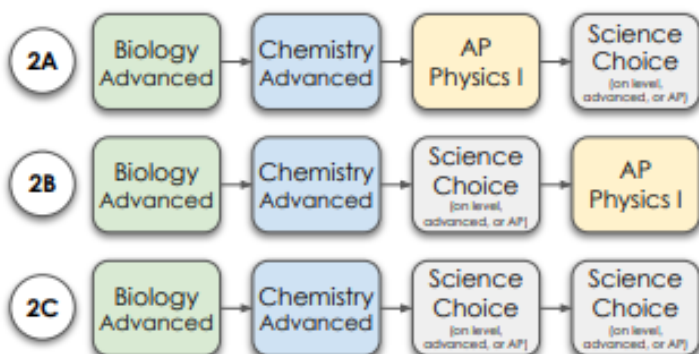
CSISD High School Science Course Progressions



On-Level Progressions



Advanced Progressions



SEQUENCE DESCRIPTIONS

SEQUENCE 1A: This is the standard progression of science courses in high school, and would be appropriate for all students for their post-high school plans (workforce, military, trade school, or university).

SEQUENCE 1B: This sequence would be appropriate for students planning to enter the work force immediately after high school. It may also be appropriate for those planning to attend a trade school, depending on the field.

SEQUENCE 1C: This sequence provides flexibility for students wishing to specialize in a particular area of study with their science choices (advanced or on-level), especially if they are interested in pursuing the life sciences.

SEQUENCE 1D: For the student who would benefit from a stronger foundation in chemistry prior to taking Biology, this is the ideal sequence. Also beneficial for ESL students who are new to English because Biology is a vocabulary heavy course.

SEQUENCE 2A: Provides all the advantages of the 1A sequence, with the additional opportunity to earn college credit while in high school.

SEQUENCE 2B: The purpose of 2B is to allow students time to complete an additional math course prior to Physics. Ideal for students who are advanced in science but not in mathematics.

SEQUENCE 2C: Provides the same advantages as the 1C sequence, with the with the additional opportunity to earn college credit while still in high school. Ideal for students who are advanced in science but not in mathematics.

	SCIENCE COURSES	Pre-Requisites
ON LEVEL (5.0)	Biology	None; required for all students
	Chemistry	1 HS science & Algebra I
	Chem in the Community	1 HS science & Algebra I
	Integrated Phys & Chem	None
	Physics	Algebra II com/con
	Principles of Technology	1 HS science & Algebra I
	Astronomy	1 HS science & Alg II com/con
	Human A & P	Biology & another HS science
	Environmental Systems	1 HS life sci & 1 HS physical sci
	Forensic Science	Biology & Chemistry
	Sci Research & Design	Biology, Chemistry, IPC, or Physics
	Animal Science (AMCHS)	Bio; Chem or IPC; Alg 1 & Geometry; Small Animal Mgmt; Equine Science, or Livestock Production
	Plant & Soil Science (CSHS)	Bio, IPC, Chem, or Physics; 1 credit from the Ag, Food & Natural Resources Cluster
	ADVANCED (5.5)	Biology Advanced
Chemistry Advanced		Algebra II com/con
A&P of Human Sys Adv		Biology & Chemistry
Sci Research & Design Adv		Biology, Chemistry, IPC, or Physics Adv
Biotechnology I ADV		Biology, Chemistry & Physics
AP (6.0)	AP Biology II	Biology & Chemistry
	AP Chemistry II	Chemistry & Algebra II
	AP Physics I	Pre-Calculus com/con
	AP Physics II	Physics & Pre-Cal com/con
	AP Physics C	Physics & Calculus com/con

com/con: completed or concurrent

ADDITIONAL NOTES

These progressions are not set in stone. Students should consult with their science teacher each year to identify their best option(s) for the following year.

ON-LEVEL vs. ADVANCED: The on-level sequence provides instruction at the rigor of the state science standards (TEKS). Advanced courses provide instruction beyond the rigor of the TEKS, and are appropriate for any student who is willing to challenge themselves.

Students may double up on science courses with proper prerequisites in order to earn additional science credits.

Course Descriptions – Science

Biology I

(03010200 BIO)

#3210 9th -11th 1 credit 4.0

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)

Biology I Advanced

(03010200 BIO)

3220 9th -11th 1 credit 5.0

Prerequisite(s): Advanced 8th grade English and/or Algebra I Advanced preferred

Course Description: In addition to the topics covered in Biology I, 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)

Biology II Advanced Placement

(A3010200 APBIO)

3320 11th -12th 1 credit 5.0

Prerequisite(s): Biology, Chemistry

Course Description: AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work. May earn two semesters of credit for college biology with qualifying AP exam score. Summer reading may be required / recommended as preparation for this course. Specific details can be found on your high school website. (Science credit) Fee: AP National Exam, optional

Chemistry I

(03040000 CHEM)

3410 10th -12th 1 credit 4.0

Prerequisite(s): 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)

Chemistry I Advanced

(03040000 CHEM)

3420 10th -12th 1 credit 5.0

Prerequisite(s): Algebra II or concurrent enrollment

Course Description: In addition to the topics and skills covered in Chemistry I, 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)

Chemistry II Advanced Placement

(A3040000 APCHEM)

3430 11th -12th 1 credit 5.0

Prerequisite(s): Chemistry and Algebra II, concurrent enrollment in pre-Calculus preferred

Course Description: The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. This course requires that 25 percent of instructional time engages students in lab investigations. May earn credit for two semesters of college chemistry with qualifying AP exam score. Summer reading may be required / recommended as preparation for this course. Specific details can be found on your high school website. (Science credit) Fee: AP National Exam, optional

Chemistry in the Community

(03040000 CHEM)

#3400 10th -12th 1 credit 4.0

Prerequisite(s): one high school science credit, Algebra I

Course Description: Lab oriented course that emphasizes how chemistry applies to daily life. The topics include scientific measurement and calculations, 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. Whereas Chemistry I approaches these foundational topics from a theoretical and mathematical lens, Chemistry in the Community instructs these same topics with an emphasis on the application of those topics in our everyday life and local community. (Science Credit)

Physics I

(03050000 PHYSICS)

3610 11th -12th 1 credit 4.0

Prerequisite(s): Algebra II or concurrent enrollment

Course Description: Laboratory-oriented course emphasizes theoretical concepts of physics and development of skills in manipulation, acquisition, classification, and communication of data, pertaining to motion, heat, electricity, magnetism, sound, light, and nuclear energy. (Science credit)

Physics I Advanced Placement

(A3050003 APPHYS1)

3650 10th -12th 1 credit 5.0

Prerequisite(s): recommended Pre-Cal completed or concurrent

Course Description: AP Physics I is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque, and rotational motion. This course requires that 25 percent of instructional time engages students in lab investigations. Students may earn a semester of college credit with qualifying AP scores. (Science credit) Fee: AP National Exam, optional

Physics II Advanced Placement

(A3050004 APPHYS2)

3644 11th -12th 1 credit 5.0

Prerequisite(s): AP Physics I or comparable physics introductory course, Pre-Cal completed or concurrent

Course Description: AP Physics II is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. This course requires that 25 percent of instructional time engages students in lab investigations. Designed to provide a foundation in Physics for students in life science, pre-medicine, and some applied sciences as well as other fields not directly related to science. Students may earn a semester of college credit with qualifying AP scores. (Science credit) Fee: AP National Exam, optional

Physics C Advanced Placement

(A3050005 APPHYSCE)

3630 11th -12th 1 credit 5.0

Prerequisite(s): AP Physics I, concurrent enrollment in Calculus

Course Description: AP Physics C is a calculus-based, college-level physics course designed for students planning to specialize in a physical science, engineering, or meteorology. In this class, roughly one semester is devoted to mechanics (kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation). The second semester is devoted to electricity and magnetism (electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism). This course requires that 25 percent of instructional time engages students in lab investigations. Use of calculus in problem solving and in derivations is expected to increase as the course progresses. Students may earn up to two semesters of college credit with qualifying AP scores. (Science credit) Fee: AP National Exam, Optional

Human Anatomy & Physiology

(13020600 ANATPHYS)

3810 10th -12th 1 credit 4.0

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. (Science / CTE / Elective credit)

Anatomy and Physiology of Human Systems Advanced

(13020600 ANATPHYS)

3820 10th -12th 1 credit 5.0

Prerequisite(s): Biology and Chemistry

Course Description: Comprehensive and in-depth study of anatomy and physiology with emphasis on histology, terminology, and investigative applications. Several major mammalian dissections and numerous disorders/diseases reviewed. (Science / CTE / Elective credit)

Animal Science (AMCHS only)

(13000700 ADVANSCI)

6054 12th 1 credit 5.0

Prerequisite(s): Biology; Chemistry or IPC; Algebra 1 and Geometry; Small Animal Management, Equine Science 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. (Science Credit, CTE Credit)

Plant & Soil Science (CSHS only)

(13002100 ADVPSSCI)

6004 11th -12th 1 credit 5.0

Prerequisite(s): Biology, IPC, Chemistry or Physics; 1 credit from the Ag, Food and Natural Resources Cluster

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. (Science Credit, CTE Credit)

Astronomy

(03060100 ASTRMY)

3850 11th -12th 1 credit 4.0

Prerequisite(s): One unit of high school science recommended. Algebra II completed or concurrent also recommended.

Course Description: Comprehensive study of astronomical topics including, but not limited to the history of astronomy, scientific thinking and scientific practices, the sky, the Earth-Moon-Sun system, light and telescopes, our solar system, the Sun, basic properties of stars, star formation and stellar evolution, neutron stars and black holes, and galaxies. (Science / Elective credit)

Biotechnology I

(13036400 BIOTECH1)

3830 12th 1 credit 5.0

Prerequisite(s): Biology, Chemistry, Physics

Course Descriptions: An introduction to biotechnology including career exploration, history and applications of DNA/RNA technology, molecular biology, bioethics, laboratory operations, management, equipment, instrumentation, quality control techniques, and laboratory safety practices. Laboratory practice includes using pH meters, mixing buffers, DNA isolation and extraction, performing measurements, preparing solutions, and performing separatory techniques to specifications. Students must meet the 40 percent laboratory and fieldwork requirement. * Dual Credit (p. 15). (Science / CTE / Elective credit)

Environmental Systems

(03020000 ENVIRSYS)

3720 11th -12th 1 credit 4.0

Prerequisite(s): One unit of high school life science and one unit of high school physical science

Course Description: Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. 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. (Science credit)

Forensic Science

(13029500 FORENSCI)

6173 11th -12th 1 credit 5.0

Prerequisite(s): Biology and Chemistry required; any Law, Public Safety, Corrections and Security course recommended

Course Description: Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. Students must meet the 40 percent laboratory and fieldwork requirement. (Science / CTE)

Integrated Physics and Chemistry (IPC)

(03060201 IPC)

3110 9th -10th 1 credit 4.0

Prerequisite(s): none

Course Descriptions: Laboratory-oriented study of metric system, measurement, nature of matter, physical and chemical changes, nuclear changes, motion and machines, electricity and magnetism, wave motion, light, and sound. (Science credit)

Principles of Technology

(13037100 PRINTECH)

3510 10th -12th 1 credit 4.0

Prerequisite(s): One credit of high school science and Algebra I

Course Descriptions: This class uses a unique approach to the concepts of Physics. 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 / CTE)

Course Descriptions – Social Studies

World Geography

(03320100 W GEO)

4120 9th -12th 1 credit 4.0

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)

World Geography Advanced

(033020100 W GEO)

4130 9th -12th 1 credit 5.0

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 APHUMGEO)

4140 9th -12th 1 credit 5.0

Prerequisite(s): Teacher recommendation and strong writing skills

Course Description: This college level course provides students with analytical skills and factual knowledge about Human Geography. Covers the TEKS for World Geography at an 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. Students will also learn about the methods and tools geographers use in their research and applications. Preparation for the AP test is included. Students who score well on the national exam may place out of three college credit hours. [students cannot take AP Human Geography if they have taken any other level of World Geography] (Social Studies credit) Fee: AP National Exam, optional

World History

(03340400 W HIST)

4100 9th -12th 1 credit 4.0

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)

World History Advanced

(03340400 W HIST)

#4110 9th -12th 1 credit 5.0

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)

AP World History

(A3370100 APWHIST)

4150 9th-12th 1 credit 5.0**Prerequisite(s):** Teacher recommendation and strong writing skills

Course Description: In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. Preparation for the AP test is included. Students who score well on the national exam may place out of three college credit hours. Summer reading may be required /recommended as preparation for this course. Specific details can be found on your high school website. (Social Studies credit) Fee: AP National Exam, optional [students cannot take AP World History if they have taken any other level of World History]

U. S. History

(03340100 US HIST)

#4210 11th 1 credit 4.0**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)

US History Advanced

(03340100 US HIST)

4220 11th 1 credit 5.0**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 AP

(A3340100 APUSHIST)

4230 11th 1 credit 5.0**Prerequisite(s):** World Geography or World History, teacher recommendation and strong writing skills

Course Description: In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. A special emphasis will be given to preparation for the national AP exam. Students who score well on the national exam may place out of three to six college credit hours. Summer reading may be required / recommended as preparation for this course. Specific details can be found on your high school website. (Social Studies credit)

U. S. Government (Fall or Spring)

(03330100 GOVT)

4313 12th .5 credit 4.0**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)**US Government Advanced**

(03330100 GOVT)

4303 12th .5 credit 5.0**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 and Politics AP**

(A3330100 APUSGOVT)

4321 12th .5 credit 5.0**Prerequisite(s):** Senior level only, teacher recommendation and strong writing skills**Course Description:** AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. Preparation for the AP test is included. Additionally, state and local topics are incorporated to meet Texas requirements for graduation. A student scoring well may place out of three college credit hours. Summer reading may be required/recommended as preparation for this course. Specific details can be found on your high school website. (Social Studies credit) Fee: AP National Exam, optional**U. S. Government Dual Enrollment/ Blinn American Government**

(03330100 GOVT) (BLINN 2305)

4323 12th .5 credit 5.0**Prerequisite(s):** Acceptable TSI scores or the ability to exempt TSI; student and parent must sign contract for class; Senior**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: Blinn tuition/textbooks, students purchase**Personal Financial Literacy and Economics**

(03380083 PFLECO)

4626 12th .5 credit 4.0**Prerequisite(s):** Senior level only**Course Description:** The course provides a foundation in both microeconomics and macroeconomics. The economic way of thinking, developed early in this course, serves as a framework for the personal financial decision-making opportunities introduced. It requires demonstrated critical thinking by students who explore how to invest in themselves with education and skill development, how to earn income, how to budget for spending, saving, investing, and protecting. Students will examine their individual responsibility for managing their personal finances and will understand that doing so will impact their standard of living, long term financial well-being, and the greater economy. As a result of mastering the content of this course, students gain the ability to lead productive and financially self-sufficient lives. This course counts for Economics credit for graduation, but a student cannot receive credit for both this course and any other economics course(s) (Social Studies credit)

Personal Financial Literacy and Economics Advanced

(03380083 PFLECO)

4627 12th .5 credit 5.0

Prerequisite(s): Senior level only

Course Description: The course provides a foundation in both microeconomics and macroeconomics. The economic way of thinking, developed early in this course, serves as a framework for the personal financial decision-making opportunities introduced. Students will examine their individual responsibility for managing their personal finances and will understand that doing so will impact their standard of living, long term financial well-being, and the greater economy. Students will utilize data to support decision-making and will engage in research regularly to compare financial options. This course satisfies the Economics credit for graduation, and a student cannot receive credit for both this course and any other economics course(s). (Social Studies Credit)

AP Macroeconomics

(AA3310200 APMACEOC)

4373 12th .5 credit 5.0

Prerequisite(s): Senior level only, Teacher recommendation (recommended: co-enrollment in any math class)

Course Description: AP Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies. This class will prepare students for the Macroeconomics AP Exam. AP Macroeconomics meets the requirements for economics credit as needed for graduation. Summer reading may be required / recommended as preparation for this course. Specific details can be found on your high school website. (Social Studies credit) Fee: AP National Exam, optional

Economics Dual Enrollment/Blinn Principles of Economics

(03310300 ECO-FE) (BLINN 2301)

4353 12th .5 credit 5.0

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

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: Blinn tuition/textbooks, students purchase

Sociology

(03370100 SOC)

4613 9th -12th .5 credit 4.0

Prerequisite(s): none

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. (Elective Credit)

Psychology

(03350100 PSYCH)

4513 11th -12th .5 credit 4.0

Prerequisite(s): Junior or Senior in standing

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. [Students may not take both Psychology and AP Psychology]. (Elective Credit)

AP Psychology

(03380002 SPTSS) (A3350100 APPSYCH)

#4530 11th -12th 1 credit 5.0

Prerequisite(s): Junior or Senior in standing, teacher recommendation

Course Description: This course will introduce students to the systematic study of behavior and mental processes of human beings and other animals. Students will take an in-depth 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; social psychology; and statistics. They also learn about the ethics and methods psychologists use in their science and practice. A student who scores well on the AP test may place out of three college credit hours. (Elective Credit) Fee: AP National Exam, optional,

American History Through Film

(03380002 SSADV1)

#4234 11th -12th .5 or 1 credit 5.0**Prerequisite(s):** none

Course Description: Examines historical periods in American History through film. Motion pictures have been around for well over 100 years and their value as a storytelling medium has had a profound impact on how Americans view history. On many occasions, Hollywood gets a lot right, but occasionally they embellish the story to make it more gripping. No matter how factual the film, there are things that can be learned about the period in which the film was made as well as the period in which the film takes place. This class focuses on the late 19th century to the present. It can be taken for one semester or a full year. (Elective Credit)

Personal Financial Literacy

(03380082 PFL)

4623 10th -12th .5 credit 4.0**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)

History of Sports

(03380002 SPTSS)

4170 9th -12th .5 or 1 credit 4.0**Prerequisite (s):** none

Course Description: This course will focus on the history and impact of sports in our society. Students will gain historical knowledge about the origins and development of various sports around the world while they examine the historical context as well as the social impacts of sports on our society. They will look at the major political, social, cultural, economic and intellectual concepts of our nation through the lens of sports. Students will understand why and how sports have become a popular cultural phenomenon. (Elective credit)

AP European History

(A3340200 APEUHIST)

4160 11th or 12th 1 credit 5.0**Prerequisite(s):** Junior or Senior in standing, teacher recommendation

Course Description: This class approaches history in a nontraditional way in that it looks at the common thread of humanity over time---trade, religion, politics, society, and technology--- and it investigates the change and continuity of those threads using a periodization process. This course is student centered and imposes a heavy, reading and writing load throughout the year, and the demands on students are equivalent to a full year introductory college course. (Elective Credit)

Economics

(03310300 ECO-FE)

4333 12th .5 credit 4.0**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)

Course Descriptions – Languages Other Than English

French I

(03410100 FREN 1)

7010 9th -12th 1 credit 4.0

Prerequisite(s): none

Course Description: Introduction to the French language and French-speaking people with emphasis on speaking and listening skills and the beginning of reading and writing skills. (LOTE credit)

French II

(03410200 FREN 2)

7020 9th -12th 1 credit 4.0

Prerequisite(s): French I or approval

Course Description: Review and further development of basic skills acquired in French I, including culture. Continuation of development of day-to-day communicative skills. (LOTE credit)

French II Advanced

(03410200 FREN 2)

7030 9th -12th 1 credit 5.0

Prerequisite(s): French I and teacher recommendation

Course Description: Intensive review with emphasis on speaking and listening skills. Further development in reading, writing, and culture. Emphasis on conversational skills and more advanced grammar and reading assignments throughout the year. Students are expected to use the target language as much as possible in the classroom. Daily homework, independent practice, and projects. This course is designed to prepare students for French III Advanced. (LOTE credit)

French III Advanced

(03410300 FREN 3)

7040 10th -12th 1 credit 5.0

Prerequisite(s): French II Advanced or approval

Course Description: Thorough review of grammar, longer, more difficult reading selections including novels/plays, and increased awareness of French civilization and culture. Provides continuous opportunities to improve speaking and listening skills. Class will be conducted mainly in French. Preparation for the AP test will begin in this level. (LOTE credit) Fee: Workbook Required

French IV AP Language

(A3410100 APFR LAN)

7060 10th -12th 1 credit 5.0

Prerequisite(s): French III or approval

Course Description: Culmination of several years of study which seeks to develop and refine skills that have been acquired over a student's entire school career. Emphasis on the four skills of reading, writing, speaking, and listening. Preparation for the AP test will be continued. (LOTE credit) Fee: Workbook Required, AP National Exam, optional

German I

(03420100 GERMAN 1)

#7110 9th -12th 1 credit 4.0

Prerequisite(s): none

Course Description: Introduction to the language and culture with emphasis on listening and speaking skills and the beginning of reading and writing. (LOTE credit)

German II

(03410200 GERMAN 2)

7120 9th -12th 1 credit 4.0

Prerequisite(s): German I or approval

Course Description: Intensive review with emphasis on speaking and listening skills with further development in reading, writing, and culture. Students are expected to use the target language as much as possible in the classroom. (LOTE credit)

German II Advanced

(03410200 GERMAN 2)

7130 9th -12th 1 credit 5.0**Prerequisite(s):** German I and teacher recommendation**Course Description:** Intensive review with emphasis on speaking, listening and skills. Further development in reading, writing and culture. More advanced reading and writing assignments through the year. Students are expected to use the target language as much as possible in the classroom.**German III Advanced**

(03410300 GERMAN 3)

7140 9th -12th 1 credit 5.0**Prerequisite(s):** German II Advanced or approval**Course Description:** Higher-level vocabulary and grammar with emphasis on more advanced reading of different genres as well as speaking and writing development. (LOTE credit)**German IV AP**

(A3420100 APGR LAN)

7150 9th -12th 1 credit 5.0**Prerequisite(s):** German III or approval**Course Description:** Prepares students for the Advanced Placement Examination in May. Emphasis will be on enhancing listening, speaking, reading, and writing skills as well as broadening the students' understanding of German history, culture, and literature. (LOTE credit) Fee: AP National Exam, optional**Spanish I**

(03440100 SPAN 1)

7210 9th -12th 1 credit 4.0**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)

7220 9th -12th 1 credit 4.0**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)**Spanish II Advanced**

(03440200 SPAN 2)

7230 9th -12th 1 credit 5.0**Prerequisite(s):** 90 or above in Spanish 1 and teacher recommendation**Course Description:** This course is intended to prepare students for Spanish III Advanced. Reading, writing, speaking and listening skills will be highly emphasized. The culture, history, and geography of Spanish speaking countries will be integrated into the curriculum. (LOTE credit)**Spanish III Advanced**

(03440300 SPAN 3)

7250 9th -12th 1 credit 5.0**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)

7270 9th -12th 1 credit 5.0

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 to prepare for Spanish V Literature and Culture. (LOTE credit) Fee: Workbook required, AP National Exam, optional

Spanish V AP Literature and Culture

(A3440200 APSPALIT)

7280 9th -12th 1 credit 5.0

Prerequisite(s): Spanish IV

Course Description: The AP Spanish Literature course is intended to be the equivalent of a 3rd year college Introduction to Latin American Peninsular Literature course, covering selected works from literatures of Spain & Latin America. The course will represent all major literary periods and major genres, and the majority will be masterpieces. Prose and poetry will be analyzed orally and in writing using appropriate terminology. Listening, speaking, reading, and writing skills will be refined. (LOTE credit) Fee: Workbook Required, National AP Exam, optional

Spanish for Heritage Speakers

(03440110 SSSPAN 1)

7240 9th-12th 2 credits 4.0

Prerequisite(s): Heritage/Native speaker and teacher recommendation

Course Description: This course is designed for Spanish speakers who have not had any formal instruction in Spanish. It is an intensive combination of Levels I and II, focusing on listening, reading, and writing skills. Upon successful completion of the course, students receive credit for Level I and Level II. (LOTE credit)

Computer Science I

(03580200 TACS1)

6350 9th-12th 1 credit 5.0

Prerequisite(s): Algebra I

Course Description: Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs using the Java programming language. Students will gain an understanding of the principles of computer science through the study of technology operations, systems and concepts. Computer Science I satisfies the first-year foreign language credit. (CTE Credit/Foreign Language credit)

Computer Science II

(03580300 TACS2)

6353 10th-12th 1 credit 5.0

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 using the Java programming language. 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. At the end of the year, students can take the AP Computer Science A exam. Computer Science II satisfies the second-year foreign language credit. (CTE credit/Foreign Language credit)

Course Descriptions – Fine Arts

The following courses can be taken as advanced provided the student has completed the level 1 and level 2 of their chosen fine art field. Students must be a junior or senior. Students who have not taken both level 1 and level 2 of their chosen fine arts field are not eligible to take advanced courses. Students are not allowed to “drop” from the Advanced course until the semester. If a student fails to fulfill the Advanced-level requirement/assignment, they would be subject to a lowered grade due to the missed requirement/assignment. All requirements/assignments must be fulfilled or completed by the end of each semester. Additional requirements of each discipline, which include individual competitions, written assignments, and other performance-oriented evaluations, must be completed. Approval to be enrolled in the Advanced course must be given by the teacher of that class.

Orchestra III, IV (2 total)

Band 3, 4 and Jazz Band 3, 4 (4 total)

Choir – no more than 4 total advanced credits in the junior and senior year; all choirs are eligible

Theatre – no more than 4 total advanced credits in the junior and senior year; all theatre classes are eligible

Dance – Dance 3, Dance 4 or Advanced Dance 3, Advanced Dance 4 (2 total) Color guard 3, 4 (2 total)

Art I

(03500100 ART 1)

8010 9th -12th 1 credit 4.0

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) Fee: \$15 Supplies

Art II – Drawing

(03500500 ART2DRAW)

8030 10th -12th 1 credit 4.0

Prerequisite(s): Art 1 and teacher recommendation

Course Description: 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) Fee: \$25 Supplies

Art III – Drawing

(03501300 ART3DRAW)

8040 11th -12th 1 credit 4.0

Prerequisite(s): Drawing I and art teacher recommendation

Course Description: Students will use a more rigorous exploration of the elements and principles of design with regards to creative drawing solutions and valid mark making. This advanced level course requires self-direction, self-motivation, and the ability to produce original work. Drawing classes are production oriented, with a portfolio of work required at end of each semester. (Fine Arts Credit or Elective Credit) Fee: \$25 Supplies (some personal expenses to be expected)

Art II – Sculpture

(0350100 ART2SCLP)

8024 10th -12th 1 credit 4.0

Prerequisite(s): Art 1 and teacher recommendation

Course Description: Students will apply the elements and principles of design to traditional and non-traditional construction methods while being exposed to various sculptural media. Students will explore Art History and become familiar with the tools and techniques needed to produce 3-D artwork. Students will be exposed to lecture, individual projects, and group projects to help develop a full and enriching sculptural experience. This course requires self-direction, self-motivation, and the ability to produce original work. (Fine Arts Credit or Elective Credit) Fee: \$25 Supplies (some personal expenses to be expected)

Art III – Sculpture II

(03501900 ART3SCLP)

8034 11th -12th 1 credit 4.0

Prerequisite(s): Sculpture I and teacher recommendation

Course Description: Students will apply the elements and principles of design to traditional and non-traditional construction methods while being exposed to various sculptural media. This course is self-paced. Students will be expected to create sculpture that incorporates their interests or work that specializes in use of certain media. This course requires self-direction, self-motivation, and the ability to produce original work. (Fine Arts Credit or Elective Credit) Fee: \$25 Supplies (some personal expenses to be expected)

Art II – Painting I

(03500600 ART2PATG)

8020 10th -12th 1 credit 4.0

Prerequisite(s): Art 1 and art teacher recommendation

Course Description: Students will expand their exploration of the elements and principles of design with regards to creative painting solutions. Students will participate in art critique, developing written and oral skills to evaluate personal art and others' artwork. This course requires self-direction, self-motivation, and the ability to produce original work. Painting classes are production oriented, with a portfolio of work required at end of each semester. (Fine Arts Credit or Elective Credit) Fee: \$25 Supplies

Art III – Painting II

(03501400 ART3PATG)

8080 11th -12th 1 credit 4.0

Prerequisite(s): Painting I and art teacher recommendation

Course Description: Students will use a more rigorous exploration of the elements and principles of design with regards to painting solutions and individual style. Students will participate in art critique, developing written and oral skills to evaluate personal art and others' artwork. This level course requires self-direction, self-motivation, and the ability to produce original work. Painting classes are production oriented with a portfolio of work required at end of each semester. (Fine Arts Credit or Elective Credit) Fee: \$25 Supplies (some personal expenses to be expected)

Art III Advanced

(03500300 ART3)

8054 11th -12th 1 credit 4.0

Prerequisite(s): Art 1, Art 2

Course Description: This course is for the serious art student who wants to pursue an AP portfolio submission their senior year either in Drawing, 2-D Design, or 3-D Design. Students will learn the requirements and submission processes for the Advanced Placement portfolio. They will experiment with an assortment of media and contents, creating works for the Selected Works section of their portfolio. (Fine Arts Credit or Elective Credit) Fee: \$25 Supplies (some personal expenses to be expected)

AP Studio Art: Drawing

(A3500300 APSTARTD)

8070 11th -12th 1 credit 5.0

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) Fee: \$35 Supplies Required, AP National Exam, optional

AP Studio Art: 2D Design

(A3500400 AP2DDP)

8074 11th -12th 1 credit 5.0

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. Emphasis is on the Elements and Principles of Design inquiry-based learning. 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) Fee: \$35 Supplies Required, AP National Exam, optional

AP Studio Art: 3D Design

(3500500 AP3DDP)

8064 11th -12th 1 credit 5.0

Prerequisite(s): At least 2 years of high school art and an art teacher recommendation

Course Description: Designed for the more serious art student. This is a college-level Advanced Placement course. The student will use inquiry-based learning to create a body of Three-dimensional work. Course outline is based on the guidelines stipulated for Advanced Placement portfolio requirements with emphasis on the Elements and Principles of Design. 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) Fee: \$35 Supplies Required, AP National Exam, optional

AP History of Art

(A3500100 APHISTART)

8050 11th -12th 1 credit 5.0**Prerequisite(s):** Advanced English or Social Studies Course**Course Description:** AP Art History is designed as an equivalent to an introductory college art history survey course. This course involves intensive reading, formal visual analysis, and critical thinking. Artistic expression from a variety of human experiences and diverse cultures, past and present, will be examined. Students will consider the social, political, and religious contexts which influenced the works of art. This course requires good writing skills and a great commitment to academic course work. (Fine Arts Credit or Elective Credit) Fee: \$15 Supplies Required, AP National Exam, Optional**Dance I (can be for fine arts or PE credit)**

(03830100 DANCE 1) (PES00055 PEITS ; PES00054 PEAA)

5200 (fine arts) 9th -12th 1 credit 4.0# 5064 (PE) 9th -12th .5 credit 4.0# 5065 (PE) 9th -12th .5 credit 4.0**Prerequisite(s):** None**Course Description:** This course will provide students with the fundamental skills and knowledge of dance as an art form and lifetime activity. Students will study various forms of dance such as ballet, modern, jazz, tap, hip hop, and social dance with an emphasis on the movement, history, and choreography of each form. Students are taught creative expression through movement and awareness of space, time, and energy as design factors in dance technique and composition. Focus is on development of self-confidence and an appreciation of dance as an art form. Dance for PE offering depends on teacher certification. (Fine Arts or PE Credit)**Dance II, III, IV**

(03830200 DANCE 2 ; 03830300 DANCE 3 ;03830400 DANCE 4)

5204 Second Year 1 credit 4.0

5210 Third Year 1 credit 4.0

5214 Fourth Year 1 credit 4.0

Prerequisite(s): Credit for previous level of Dance is required and teacher recommendation**Course Description:** This course requires completion of Dance I or instructor permission to enroll in the upper division. Participants have opportunities to perform, choreograph, compete, and view other dancers of their age group as well as professional dancers. (Fine Arts Credit or Elective Credit)**Drill Team/Advanced Dance I, II, III, IV**

(03830100 DANCE 1; 03830200 DANCE 2; 03830300 DANCE 3; 03830400 DANCE 4)

5230 First Year 1 credit 4.0

5234 Second Year 1 credit 4.0

5240 Third Year 1 credit 4.0

5244 Fourth Year 1 credit 4.0

Prerequisite(s): Audition, Director Approval**Course Description:** Drill team performs at various athletic competitions, pep rallies, and drill team contests. Participants are responsible for annual costs for camp, costumes, and awards. 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) Fees: specific fees will be discussed upon making the team**Pre-Drill Team Training (Dance 1)**

(03830100 DANCE 1) (PES00055 PEITS; PES00054 PEAA)

5220 9th-11th 1 credit 4.0**Prerequisite(s):** none**Course Description:** This class studies various forms of dance such as ballet, modern, jazz, tap, hip hop and social dance with an emphasis on movement, history and choreography of each form. Emphasis will be placed on skills used on the dance / drill team. (Fine Arts Credit)

Dance Wellness for Athletes

(03834100 DAN1WEL)

# 5217B	9 th -12 th	1 credit	4.0
# 5217G	9 th -12 th	1 credit	4.0

Prerequisite(s): None

Course Description: This course will provide athletes with fundamental skills and knowledge of dance as an artform and lifetime activity, with a specific emphasis on areas that will improve their athletic ability. Students will study various forms of dance such as ballet, jazz, hip hop, and social dance, as well as broader aspects of dance such as injury prevention, stretching, and building muscle tone. This course will help to increase flexibility, balance, explosiveness, and agility in athletes. (Fine Arts or Elective Credit)

Color Guard I, II, III, IV

(03830100 DANCE 1; 03830200 DANCE 2; 03830300 DANCE 3; 03830400 DANCE 4)

# 8560	First Year	1 credit	4.0
# 8564	Second Year	1 credit	4.0
# 8570	Third Year	1 credit	4.0
# 8574	Fourth Year	1 credit	4.0

Prerequisite(s): Audition; director approval

Course Description: This class is associated with the band. Students learn dance concepts, exercises, and skills while developing an awareness of teamwork, choreography, and performance. This course will focus on movement and manipulation of equipment, as well as Dance TEKS. Students are members of the marching band ensemble unit and may be subject to the requirements that apply to band members, including after school and weekend activities. 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) Fees: specific fees will be discussed upon making the team.

Theatre Arts I

(03250100 TH1)

# 8110	9 th -12 th	1 credit	4.0
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Prerequisite(s): 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 characters 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: \$10 Supplies

Theatre Arts II, III, IV

(03250200 TH2; 03250300 TH3; 03250400 TH4)

# 8120	Second Year	1 credit	4.0
# 8130	Third Year	1 credit	4.0
# 8140	Fourth Year	1 credit	4.0

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)

Improvisational Theatre

(N1170126 ACTMET4)

# 8104	9 th -12 th	1 credit	4.0
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Prerequisite(s): none

Course Description: This course focuses on the art of improvisational theatre and the skills necessary to create three-dimensional characters, coherent stories, and compelling performances through strong listening skills, emotional connection, and exploration of the key elements of theatrical storytelling. This course provides an in-depth exploration of improvisation as a vehicle for drama development, theatrical presentation, and actor training. Students apply their skills in the development of comic and dramatic improvised scenes. They analyze scene structures and the historical use of improvisation in the development of theatre for socio-political and entertainment purposes. Students experiment with long forms of improvisation to develop a final presentation. (Elective Credit)

Theatre Production I

(03250700 TH1PROD)

8090 9th 1 credit 4.0**Prerequisite(s):** Prerequisite: middle school theatre experience and teacher recommendation**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)**Theater Production II, III, IV**

(03250800 TH2PROD; 03250900 TH3PROD, 03251000 TH3PROD)

8100 First Year 1 credit 4.0

8180 Second Year 1 credit 4.0

8190 Third Year 1 credit 4.0

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)**Technical Theater I, II, III**

(03250500 TH1TECH; 03250600 TH2TECH; 03251100 TH3TECH)

8150 First Year 1 credit 4.0

8160 Second Year 1 credit 4.0

8170 Third Year 1 credit 4.0

Prerequisite(s): None for Tech Theater I; credit for previous level of Tech Theatre and Director Approval is required for Levels II and III**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 & III will include an advanced study of all areas of Technical Theater. (Fine Arts Credit or Elective Credit)**Technical Theatre II: Theatrical Design**

(03253500 TTH2DES)

8154 10th -12th 1 credit 4.0**Prerequisite(s):** Technical Theatre I and Director approval**Course Description:** Technical Theater II is the study of communication and documentation materials relative to theatrical design. There is an exploration of basic nomenclature and organizational structures used in the physical articulation of theatrical productions. You will study the use of the theatrical paperwork for proper technical and design communication required throughout the theatrical design process. Proper drafting and lettering skills will be introduced and practiced. Also covered in this course are observations of collaborative communication and listening skills necessary throughout the design process, organizational techniques, and layout modification processes for the theatrical designer. Exercises might include lettering, line work and the drawing of the human form, the creation of a production cue sheet, elevations, ground plans, costume plots, magic sheet, and the creation of a visual research morgue and/or a visual storyboard. Course includes an introduction to and the proper drawing and drafting of theatrical documents, and relative plot communication drawings. (Fine Arts Credit or Elective Credit) Fee: \$10 Supplies**Musical Theatre I, II (CSHS Only)**

(03251900 MUSTHEA1; 03252000 MUSTHEA2)

8114 9th -12th 1 credit 4.0# 8124 10th -12th 1 credit 4.0#8134 11th -12th 1 credit 4.0#8144 12th 1 credit 4.0**Prerequisite(s):** none, but those who are not musically inclined are encouraged to take Theatre I**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: \$10

Choir

(Note: participation in all choirs is subject to instructor placement determined by audition. Attendance is required at all rehearsals and performances, including UIL events, concerts, and community performances. Individual participation in All Region auditions, solo/ensemble events, etc. is encouraged. Supply fees are required. Not all choir courses are offered at all campuses. Course availability is determined by the number of students auditioning for each voice part, or by decisions made by campus leadership.)

Chorale I, II, III, IV (Mixed)

(03150900 MUS1CHOR; 03151000 MUS2CHOR; 03151100 MUS3CHOR; 03151200 MUS4CHOR)

# 8240	First Year	1 credit	4.0
# 8250	Second Year	1 credit	4.0
# 8260	Third Year	1 credit	4.0
# 8270	Fourth Year	1 credit	4.0

Prerequisite(s): Audition

Course Description: This choir is for the most advanced students, who will refine their vocal technique, music reading and listening skills, and musicianship. They will learn music history and literature through performance. (Fine Arts Credit or Elective Credit) Fee: \$65

Men's Chorus I, II, III, IV

(03150900 MUS1CHOR; 03151000 MUS2CHOR; 03151100 MUS3CHOR; 03151200 MUS4CHOR)

# 8210	First Year	1 credit	4.0
# 8214	Second Year	1 credit	4.0
# 8220	Third Year	1 credit	4.0
# 8224	Fourth Year	1 credit	4.0

Prerequisite(s): None

Course Description: Students develop vocal techniques, music reading, ear training, and listening skills, as well as teamwork and leadership. They will learn music history and literature through performance. (Fine Arts Credit or Elective Credit) Fee: \$65

Concert Treble Choir III, IV

(03150900 MUS1CHOR; 03151000 MUS2CHOR; 03151100 MUS3CHOR; 03151200 MUS4CHOR)

#8310	First Year	1 credit	4.0
#8320	Second Year	1 credit	4.0
# 8330	Third Year	1 credit	4.0
# 8340	Fourth Year	1 credit	4.0

Prerequisite(s): Audition

Course Description: Students in these choirs are experienced vocalists. They further develop vocal techniques, music reading and listening skills and learn music history and literature through performance. (Fine Arts Credit or Elective Credit) Fee: \$65

Choir Vocal Ensemble I, II, III, IV

(03152100 MUS1VOEN; 03152200 MUS2VOEN; 03152300 MUS3VOEN; 03152400 MUS4VOEN)

# 8350	First Year	1 credit	4.0
# 8360	Second Year	1 credit	4.0
# 8370	Third Year	1 credit	4.0
# 8380	Fourth Year	1 credit	4.0

Prerequisite(s): Audition

Course Description: These advanced students study a variety of vocal styles, primarily contemporary acapella literature. Students develop and refine individual vocal skills. Students must be concurrently enrolled in Concert Treble III/IV or Chorale. (Fine Arts Credit or Elective Credit) Fee: \$65

Band I, II, III, IV

(03150100 MUS1BAND; 03150200 MUS2BAND; 03150300 MUS3BAND; 03150400 MUS4BAND)

# 8450	First Year	1 credit	4.0
# 8460	Second Year	1 credit	4.0
# 8470	Third Year	1 credit	4.0
# 8480	Fourth Year	1 credit	4.0

Prerequisite(s): Must have at least one full year of band or exhibit proficiency on a band instrument with director's approval to enroll. Must complete the previous level before advancing to the next level.

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 will 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. 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) Fee: If using a school-owned instrument, a \$100 Instrument fee will be assessed for the year. Other fees may apply.

Jazz Ensemble I, II, III, IV

(03151300 MUS1JZBN; 03151400 MUS2JZBN; 03151500 MUS2JZBN; 03151600 MUS4JZBN)

# 8610	First Year	1 credit	4.0
# 8620	Second Year	1 credit	4.0
# 8630	Third Year	1 credit	4.0
# 8640	Fourth Year	1 credit	4.0

Prerequisite(s): Audition

Course Description: Emphasis on the theory of music, improvisation, styles and techniques of jazz, and small ensemble sound. Performances in jazz festivals, school musicals, and other events by invitation. Students are required to attend all competitions, performances, and outside rehearsals. Membership is by audition and depends upon specific instrumentation needs. Wind players must be enrolled in band; rhythm section players (guitar, bass, piano, and drum set) must be enrolled in band, choir, or orchestra. (If there are no qualified rhythm section candidates in the parent organizations, the director may elect to open auditions to other students). (Fine Arts Credit or Elective Credit) Fee: some fees will apply, students should maintain their instruments

AP Music Theory

(A3150200 APMUSTHY)

#8700	11 th – 12 th	1 credit	5.0
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Prerequisite(s): at least one year of high school band, orchestra or choir

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. Students may elect to take the AP Music Theory exam at the end of the year, which may garner college credit. Fee: National AP exam, optional (Fine Arts, Elective credit)

Orchestra I, II, III, IV

(03150500 MUS1ORCH; 03150600 MUS2ORCH; 03150700 MUS3ORCH; 03150800 MUS4ORCH)

# 8710	First Year	1 credit	4.0
# 8720	Second Year	1 credit	4.0
# 8730	Third Year	1 credit	4.0
# 8740	Fourth Year	1 credit	4.0

Prerequisite(s): Participation in all orchestras is subject to instructor placement and determined by audition and past performance.

Course Description: Students will study music history and literature through performance. Rehearsals and performances outside of school are considered co-curricular, are required, and affect the students' grades. The school will provide cellos and string basses for school use, but every student is required to own or rent their own instrument and accessories. (Fine Arts Credit or Elective Credit)

Concert Orchestra: Students focus on refining string instrument techniques, music reading, and listening skills. JV Orchestra: Experienced students further refine their technique, music reading and listening skills. Varsity Orchestra: Students with superior musical abilities further refine their technique, listening skills, creativity, and discrimination. Fee: \$100 Instrument, Supply and Travel Fee

Music Studies 1-3

(03152500 MUS1APL; 03152600 MUSC2APL; 03152601 MUSC3APL)

# 8800	First Year	10 th -12 th	1 credit	4.0
# 8803	Second Year	10 th -12 th	1 credit	4.0
# 8806	Third Year	10 th -12 th	1 credit	4.0

Prerequisite(s): Approval by the instructor and district Director of Fine Arts

Course Description: This course provides a deeper level of rigor and individual development for students on their principal instrument or voice part. The ability to read music and have individual practice fundamentals are required, along with additional enrollment in another music course. (Fine Arts Credit)

Course Descriptions – Health and PE

Cheerleading

(5151-PES00013 SUBCHLDG; 5255 - PES00013 SUBCHLDG; 5261 – 03830100 DANCE 1; 5265 – PES00054 PEAA)

Fall	Spring			
# 5251	# 5252	1st year	1 credit	4.0
# 5261	# 5262	2nd year	1 credit	4.0
# 5255	# 5256	3rd year	1 credit	4.0
# 5265	# 5266	4th year	.5 credit	4.0

Prerequisite(s): Tryout

Course Description: Cheerleaders are selected 100% by outside judges. They perform at various sports events and are a spirit squad. PE credit is earned for the first year of cheer. A fine art credit may be selected for the second year of cheer. Second, third, and fourth-year cheer may be taken as a non-credit class assuming PE credit has been earned. Fees: will be discussed after student makes the team; an estimated list of fees will be provided at the mandatory parent meeting before tryouts in the spring.

Dance I (can be for fine arts or PE credit)

(03830100 DANCE 1) (PES00055 PEITS; PES00054 PEAA)

# 5200 (fine arts)	9 th -12 th	1 credit	4.0
# 5064 (PE)	9 th -12 th	.5 credit	4.0
# 5065 (PE)	9 th -12 th	.5 credit	4.0

Prerequisite(s): None

Course Description: This course will provide students with the fundamental skills and knowledge of dance as an art form and lifetime activity. Students will study various forms of dance such as ballet, modern, jazz, tap, hip hop, and social dance with an emphasis on the movement, history, and choreography of each form. Students are taught creative expression through movement and awareness of space, time, and energy as design factors in dance technique and composition. Focus is on development of self-confidence and an appreciation of dance as an art form. Dance for PE offering depends on teacher certification. (Fine Arts or PE Credit)

Health

(03810100 HLTH ED)

# 5012	9 th -12 th	1 credit	4.0
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Prerequisite(s): None

Course Description: Course Description: Students will gain an understanding of health information and skills through six strands: personal health and hygiene; mental health and wellness; healthy eating and physical activity; injury and violence prevention and safety; alcohol, tobacco, and other drugs; and reproductive and sexual health. (Elective Credit)

Sports Medicine I

(N1150040 SPORTMD1)

# 5270	9 th -12 th	1 credit	4.0
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Prerequisite(s): None

Course Description: Provides an opportunity for the study and application of the components of sports medicine including, but not limited to, sports medicine related careers; organizational and administrative considerations; prevention of athletic injuries; recognition, evaluation, and immediate care of athletic injuries; rehabilitation and management skills; taping and wrapping techniques; first aid, CPR, and AED emergency procedures; nutrition; sports psychology; human anatomy and physiology; therapeutic modalities; and therapeutic exercise. (Elective Credit)

Sports Medicine II

(N1150041 SPORTMD2)

# 5290	10 th -12 th	1 credit	4.0
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Prerequisite(s): Sports Med I, Application, interview admission only

Course Description: This course is for athletic training students only. It provides an in-depth study and application of the components of sports medicine including, but not limited to, basic rehabilitative techniques; therapeutic modalities; wound care; taping and bandaging techniques; prevention, recognition and care of musculoskeletal injuries; injuries to young athletes; drugs in sports; and modern issues in sports medicine. Individualized and independent assignments will be included in this course. Outside of class homework and time working with athletes and athletic teams after school will be required. (Elective Credit)

Sports Medicine III

(N1150044 SPORTMD3)

5293 11th -12th 1 credit 4.0

Prerequisite(s): Sports Med II, Application, interview admission only

Course Description: This course is for athletic training students only. It continues Sports Med II. It provides an in-depth study and application of the components of sports medicine including, but not limited to, basic rehabilitative techniques; therapeutic modalities; wound care; taping and bandaging techniques; prevention, recognition, and care of musculoskeletal injuries; injuries to young athletes. drugs in sports; and modern issues in sports medicine. Individualized and independent assignments will be included in this course. Outside of class homework and time working with athletes and athletic teams after school will be required. (Elective Credit)

Lifetime Fitness and Wellness Pursuits

(PES00051)

#5170 9th -12th 1 credit 4.0

Prerequisite: None

Course Description: The Lifetime Fitness and Wellness Pursuits course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in Lifetime Fitness and Wellness Pursuits will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness.

Skill-Based Lifetime Activities

(PES00056)

#5160 9th -12th 1 credit 4.0

Prerequisite: None

Course Description: The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students will experience opportunities that promote physical literacy and lifetime wellness. Students in Skill Based Lifetime Activities will participate in a minimum of one lifelong activity from each of the following five categories during the course. (A) Target games are activities in which students send an object toward a target. (B) Striking and fielding games are activities in which students strike an object in order to score points within a game. (C) Fitness activities provide opportunities for students to apply fitness principles to accomplish an objective. (D) Rhythmic activities provide opportunities for students to demonstrate or create movement sequences with rhythm. (E) Innovative games and activities with international significance are those games and activities that use new or innovative equipment, have been created by students, or are played internationally.

Lifetime Recreation and Outdoor Pursuits

(PES00053 LIFEROP)

#5060 9th -12th 1 credit 4.0

Prerequisite: None

Course Description: The Lifetime Recreation and Outdoor Pursuits course provides opportunities to develop competency in five or more life-long recreational and outdoor pursuits for enjoyment and challenge. Students in Lifetime Recreation and Outdoor Pursuits will participate in activities that promote physical literacy, promote respect for and connection to nature and the environment, and promote opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

Competitive Athletics

Four credits of Physical Education can be earned in competitive athletics. Second, third, and fourth-year athletes may take athletics as a non-credit class. 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. PEIMS (9th – PES00000 SUBATH1; 10th – PES00001 SUBATH2; 11th – PES00002 SUBATH3; 12th – PES00003 SUBATH4; Non-Credit 10th – 84200PS1 SUBATH2; 11th – 84200PS2 SUBATH3; 12th – 84200PS3 SUBATH4)

Course Name		9 th	10 th	11 th	12 th	Notes
Girls Volleyball	Fall	5411V	5401	5391	5395	Mandatory practice starting in early August
	Spr	5412V	5402	5392	5396	
Boys Football	Fall	5511	5521	5531	5535	Mandatory practice starting in early August
	Spr	5512	5522	5532	5536	
Girls Cross Country	Fall	5441	5371	5381	5385	Mandatory practice starting in July
Girls Distance Track	Spr	5442	5372	5382	5386	
Boys Cross Country	Fall	5451	5471	5481	5485	Mandatory practice starting in July
	Spr	5452	5472	5482	5486	
Girls Track	Fall	5461	5431	5361	5365	
	Spr	5402	5432	5362	5366	
Boys Track	Fall	5601	5631	5561	5565	
	Spr	5602	5632	5562	5566	
Girls Golf	Fall	5741	5745	5751	5755	
	Spr	5742	5746	5752	5756	
Boys Golf	Fall	5711	5715	5851	5855	Spring tryouts required
	Spr	5712	5716	5852	5856	
Tennis	Fall	5551	5651	5661	5665	Expected to compete in USTA tournaments. Practice begins the week before school starts
	Spr	5552	5652	5662	5666	
Swimming	Fall	5761	5771	5821	5825	AMCHS Only
	Spr	5762	5772	5822	5826	
Girls Basketball	Fall	5411B	5421	5491	5495	Must be able to participate both semesters. Mandatory practice before and after school starting in October. Must be able to travel during winter break.
	Spr	5412B	5422	5492	5496	
Boys Basketball	Fall	5611	5621	5591	5595	Must be able to participate both semesters. Mandatory practice before and after school starting in October. Must be able to travel during winter break.
	Spr	5612	5622	5592	5596	
Girls Soccer	Fall	5341	5681	5841	5845	Tryouts in November
	Spr	5342	5682	5842	5846	
Boys Soccer	Fall	5331	5671	5831	5835	Tryouts in November
	Spr	5332	5672	5832	5836	
Wrestling	Fall	5781	5791	5811	5815	
	Spr	5782	5792	5812	5816	
Gymnastics	Fall	5301	5311	5321	5325	To participate on the team, a student must be enrolled at a private club with a minimum of 6 hours of workout per week. Student is responsible for payment of lessons and transportation.
	Spr	5302	5312	5322	5326	
Girls Softball	Fall	5411S	5721	5731	5735	Must be able to participate over Spring Break
	Spr	5412S	5722	5732	5736	
Boys Baseball	Fall	5691	5701	5641	5645	Must be able to participate over Spring Break. Must have participated in organized baseball during the past two years.
	Spr	5692	5702	5642	5646	
Girls Powerlifting	Fall	5861G	5865	5871	5875	
	Spr	5862G	5866	5872	5876	
Boys Powerlifting	Fall	5861	5865	5871	5875	
	Spr	5862	5866	5872	5876	

Course Descriptions – Special Education

The following is a list of the courses with modified Texas Essential Knowledge and Skills which are taught by special education teachers. All special education courses are taken for credit, as are general education courses. **SPECIAL NOTE:** Students determined eligible for specialized instructional services by an Admission, Review and Dismissal/Individual Education Plan Committee (ARD/IEP) may be served through classes identified in the Course Catalog as “Special Education”. Students taking a special education course, or general education course with modified curriculum, will graduate under the Foundation Plan rather than the Foundation Plan with Endorsement, when the credit(s) is/are applied toward a course required for graduation. For further information, please contact the Special Education Department or your student’s counselor.

Reading Improvement, I, II, III

(03270700 READ1; 03270800 READ2; 03270900 READ3)

# 1070 I	9 th -12 th	1 credit	4.0
# 1074 II	9 th -12 th	1 credit	4.0
# 1077 III	9 th - 12 th	1 credit	4.0

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

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 will 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 today, along with learning techniques and test-taking strategies. (Elective Credit)

Fundamentals of English I

(03220100 ENG1)

# 1107	9 th	1 credit	4.0
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Prerequisite (s): Qualified Special Education Student; ARD/IEP Committee Recommendation

Course Description: A modified curriculum that emphasizes skill development in reading, writing, literature, re-search skills, language, grammar, critical thinking, and 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)

Fundamentals of English II

(03220200 ENG2)

# 1207	10 th	1 credit	4.0
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Prerequisite (s): Qualified Special Education Student; ARD/IEP Committee Recommendation

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)

Fundamentals of English III

(03220300 ENG3)

# 107	11 th	1 credit	4.0
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Prerequisite (s): Qualified Special Education Student; ARD/IEP Committee Recommendation

Course Description: A modified curriculum including a chronological survey of religious, philosophical, and literary movements in American literature from the 17th to the 20th 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)

Fundamentals of English IV

(03220400 ENG 4)

# 1407	12 th	1 credit	4.0
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Prerequisite (s): Qualified Special Education Student; ARD/IEP Committee Recommendation

Course Description: A modified curriculum including a chronological survey of religions, philosophical, and literary movements in British literature from the Anglo-Saxons to the 20th 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)

Fundamentals of Algebra I

(03133500 ALG 1)

2117 9th -10th 1 credit 4.0

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

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)

Fundamentals of Geometry

(03100700 GEOM)

2127 10th -11th 1 credit 4.0

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)

Fundamentals of Algebraic Reasoning

(03102540 ALGREAA)

2137 11th -12th 1 credit 4.0

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

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 from data. (Math Credit)

Fundamentals of IPC

(03060201 IPC)

3117 9th -10th 1 credit 4.0

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

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)

Fundamentals of Biology

(03010200 BIO)

3217 9th -10th 1 credit 4.0

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

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. Student will prepare for the STAAR Biology EOC Exam. (Science Credit)

Fundamentals of Chemistry

(03040005 CHEM)

3417 11th -12th 1 credit 4.0

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

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)

Fundamentals of World History

(03340400 W HIST)

4007 9th -10th 1 credit 4.0

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

Course Description: A modified study of history and the development of a variety of world cultures past and pre-sent. 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)

Fundamentals of World Geography

(03320100 W GEO)

4107 10th 1 credit 4.0

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

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)

Fundamentals of U. S. History

(03340100 US HIST)

4217 10th -12th 1 credit 4.0

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

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. Student will prepare for the STAAR US History EOC Exam. (Social Studies Credit)

Fundamentals of U. S. Government

(03330100 GOVT)

4318 11th -12th .5 credit 4.0

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

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)

Fundamentals of Economics

(03310300 ECO-FE)

4339 11th -12th .5 credit 4.0

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

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)

Pathways to Success

(N1290051 PATHCC1; N1290052 PATHCC2; N1290053 PATHCC3; N1290054 PATHCC4)

9th -12th 1 credit 4.0

9867 Pathways to Success I

9877 Pathways to Success II

9887 Pathways to Success III

9897 Pathways to Success IV

Prerequisite(s): Qualified Special Education Student; ARD/IEP Committee Recommendation as an elective

Course Description: Designed to assist students with strategies that will, when applied consistently, aid the students' successes in the classroom. Organizational skills are emphasized as students develop practical approaches to studying, completing assignments, addressing homework, and facilitating increased responsibility for classroom activities. Study habits are monitored, and social skills are taught. (Elective Credit)

Applied English I, II, III, IV

(03220107 ENG1; 03220207 ENG2; 03220307 ENG3; 03220407 ENG4)

1107L, 1207L, 1307L, 1407L 9th -12th 1 credit 4.0

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

Course Description: Applied English will assist students in developing skills in the areas of expressive, receptive, written, and/or symbolic representations of language. Students will integrate language in order to understand oral, written, and/or symbolic communication. Oral, written, and/or symbolic language will be used to express ideas, demands, and needs, and to make inquiries. Communications will explore job-related language use related employment services, interview skills, interpersonal skills, job search, and the application process. (English Credit)

Applied Math Courses

(03100507 ALG1; 03100707 GEOM; 03102540 ALGREA)

	9 th -12 th	1 credit	4.0
# 2117L	Appl Algebra 1	1 credit	4.0
# 2127L	Appl Geometry	1 credit	4.0
# 2137L	Appl Alg Reas	1 credit	4.0

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

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)

Applied Science Courses

(V3060201 IPC; 03010207 BIO;03040000 CHEM)

	9 th -12 th	1 credit	4.0
# 3117L	Appl IPC	1 credit	4.0
# 3217L	Appl Biology	1 credit	4.0
# 3404L	Appl Chem Comm	1 credit	4.0

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

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)

Applied Social Studies

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

	9 th -12 th	1 credit	4.0
# 4107L	Appl W. Hist	1 credit	4.0
# 4127L	Appl W. Geog	1 credit	4.0
# 4217L	Appl US Hist	1 credit	4.0
# 4318L	Appl US Govt	1 credit	4.0
# 4339L	Appl Econ	1 credit	4.0

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

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)

Life Skills – Activities of Daily Life

9870, 9880, 9890, 9917, 9957, 9987, 9977

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

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 oneself, 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)

Employability Skills

(85000XXX)

# 0230	9 th -12 th	1 credit	4.0
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Prerequisite(s): Qualified Special Education student / ARD/IEP

Course Description: This course prepares students for the transition to the world of work. Students explore career options and complete interest inventories and skills assessments to identify careers suited to their interests and abilities. Students are introduced to interview skills, social skills, professional communication and attire, and soft skills necessary for employment and independent living. This course may include work-based learning opportunities on campus, field trips to local employers and training providers, and assistance in accessing post-secondary services in the community.

Course Descriptions – Elective and Non-Credit Courses

Leadworthy Teen Leadership

(N1290012 TEENLDR)

1033 9th -12th .5 credit 4.0

Prerequisite(s): None

Course Description: Teen Leadership is a leadership development and character education elective. The course develops critical, life-changing skills for students including taking personal responsibility, expressing themselves well, and making good decisions when problems arise. The practical skills taught in the course will apply both formal and informal leadership opportunities in school and beyond. Students will enhance their public speaking and communication skills through speeches and small and large group activities and will develop interpersonal skills and emotional intelligence through activities with other participants. (Elective or Speech Credit)

Partner PE: Peer Assistance for Students with Disabilities

(N1290203 PASWD1, N1290204 PASWD2)

0100P 11th – 12th 1 credit 4.0

0104P 12th 1 credit 4.0

Prerequisite(s): application and interview process

Course Description: Partner PE is a success oriented physical education program featuring supervised peer tutors and individualized learning and instruction for students with disabilities. The class is designed to meet the unique physical education needs of students with disabilities who cannot meet the requirements of regular physical education because of physical, social emotional, or behavioral limitations. Students who enroll in Partner PE will have the opportunity to partner with students with disabilities, develop leadership skills, and learn more about possible careers involving individuals with disabilities. (Elective Credit)

Partner Art: Peer Assistance for Students with Disabilities

(N1290203 PASWD1, N1290204 PASWD2)

0100A 11th – 12th 1 credit 4.0

0104A 12th 1 credit 4.0

Prerequisite(s): application and interview process

Course Description: Partner Art is a success-oriented art education program featuring supervised peer tutors and individualized learning and instruction for students with disabilities. The class is designed to meet the unique education needs of students with disabilities exploring two-dimensional and three-dimensional media through arts and crafts projects with support from their peer. Students who enroll in Partner Art will have the opportunity to partner with students with disabilities, develop leadership skills, and learn more about possible careers involving individuals with disabilities. (Elective Credit)

Developing Strategies for College/Career Prep

(N1290051 PATHCC1)

9867H 9th -12th 1 credit 4.0

Prerequisite(s): successful completion of advanced coursework, application

Course Description: This course would advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. The course focuses on developing the habits and skills that are expected in college study and the work force. The students will develop their personal/interpersonal and cognitive skill that are essential to productivity in both the collegiate and business worlds. Modeling teamwork, communication and organizational skills, and research-based strategies will be expected. (Elective Credit)

Advancement Via Individual Determination (AVID)

AVID is an elective course that prepares students for college readiness and success and is scheduled during the regular school day as a year-long course. Students must apply for entry into the elective. The process includes, but is not limited to, a written application and an oral interview. Grades, STAAR EOC scores, attendance, and behavior records are all reviewed as part of the process. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities, and academic success skills. Students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities centered around exploring college and career opportunities and their own agency. AVID has standards and has been approved as an innovative course with TEKS. The standards increase as the year of AVID increases.

AVID 9th Grade

(N1290001 AVID1)

0110 9th 1 credit 4.0

Prerequisite(s): Placement in AVID program and an agreement to enroll in rigorous courses

Course Description: The 9th grade AVID elective course introduces the AVID philosophy and strategies. Students will work on academic and personal goals, communication, and adjusting to the high school setting. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. There is an emphasis on analytical writing, focusing on personal goals, and thesis writing. Students will work in collaborative settings, learning how to

participate in collegial discussions, and use sources to support their ideas and opinions. Students will prepare for college entrance and placement exams, while refining study skills, test-taking, note-taking, and research techniques. They will take an active role in field trip and guest speaker preparations and presentations. Their college research will include financial topics and build their knowledge of colleges and careers of interest. (Elective Credit)

AVID 10th Grade

(N1290002 AVID2)

# 0120	10 th	1 credit	4.0
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Prerequisite(s): Placement in AVID program and an agreement to enroll in rigorous courses

Course Description: The 10th grade AVID elective course refines the AVID strategies to meet the student’s independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing their awareness of the impact of their actions and behaviors. As students increase their rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Students will also analyze various documents to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their colleges and careers of interest, based on personal interests and goals. (Elective Credit)

AVID 11th Grade

(N1290030 AVID3)

# 0130	11 th	1 credit	4.0
# 0130H	11 th	1 credit	5.0 (must have been in AVID for two years)

Prerequisite(s): Placement in AVID program and an agreement to enroll in rigorous courses

Course Description: This AVID elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies, and tasks that are undertaken during the junior year to support students as they apply to four-year universities and confirm their postsecondary plans. (Elective Credit)

AVID 12th Grade

(N1290033 AVID4)

# 0140	12 th	1 credit	4.0
# 0140	12 th	1 credit	5.0 (must have been in AVID for two years)

Prerequisite(s): AVID III and agreement to enroll in rigorous courses

Course Description: This AVID Elective course is the second part in a junior/senior seminar course that focuses on the writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project with research skills gained in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies, and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID seniors are required to develop and present a portfolio representing their years of work in the AVID, as well as complete the requirements for the seminar course. (Elective Credit)

Seniors may have up to two no credit classes per semester if they have met their CCMR requirement. All other students may only have one per semester. Only seniors may have “off periods.”

No Class (Seniors Only – No Credit)

Fall	Spring	
9111	9112	No Class 1 st
9121	9122	No Class 2 nd
9161	9162	No Class 6 th (CSHS)
9171	9172	No Class 7 th (AMCHS and CSHS)
9181	9182	No Class 8 th (AMCHS)

Prerequisite(s): Seniors Only

Course Description: Only for seniors who wish to be off campus two periods. Periods must be at the beginning or end of each day. A student may not have a 1st period class with 2nd period no class, nor can they have a 6th / 7th period no class with an assigned 7th / 8th period class.

Study Hall

#9301 Fall 9th -12th no credit

#9302 Spring 9th -12th no credit

Prerequisite(s): Counselor approval

Course Description: Study Hall gives the student an opportunity to get homework done during the school day. This is a no credit, supervised classroom setting open to anyone.

Blinn/Texas A&M University

9310 -9370 11th -12th no high school credit

Prerequisite(s): Must have an 80 average - or 3.0 GPA, counselor approval, parental consent, and pass TSI.

Course Description: Students may use one or two high school periods for one college course or two or three high school periods for two college courses. Students must see their counselor for letter of recommendation to Blinn or TAMU. Must present Blinn/TAMU confirmation letter to counseling office showing schedule and payment. (College Credit)

Fee: Tuition and fees vary, paid to university.

Student Aide (AMCHS)

#9121 - Fall

#9122 - Spring

Prerequisite(s): caught up on credits

Course Description: Student aides assist in the various offices. This is not a study hall. Students should be trustworthy and able to work independently.

Library Aide

#9211 - Fall

#9212 - Spring

Prerequisite(s): caught up on credits

Course Description: Library aides assist in the library. This is not a study hall. Students should be trustworthy and able to work independently.

Nurse Aide (CSHS)

#9241 - Fall

#9242 - Spring

Prerequisite(s): caught up on credits

Course Description: Nurse aides assist in the Nurse's office. This is not a study hall. Students should be trustworthy and able to work independently.

Counseling Aid (CSHS)

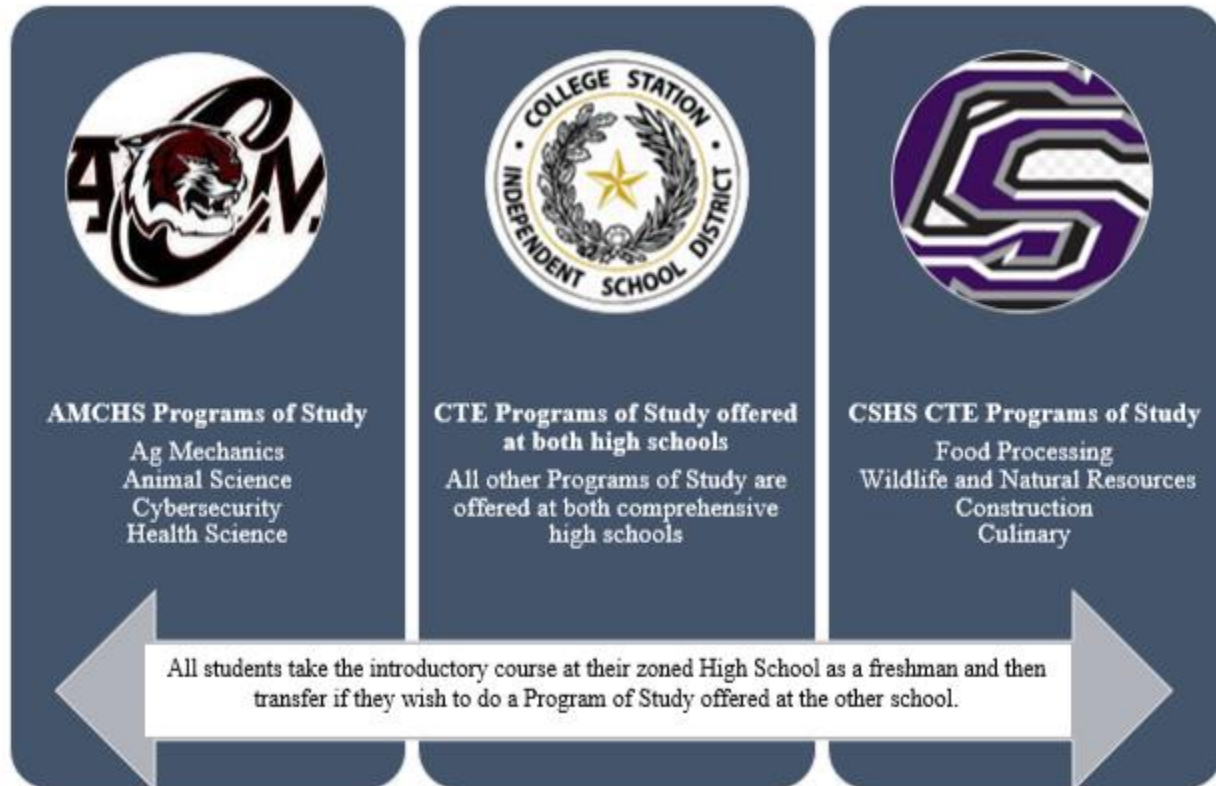
#9231 - Fall

#9232 - Spring

Prerequisite(s): caught up on credits

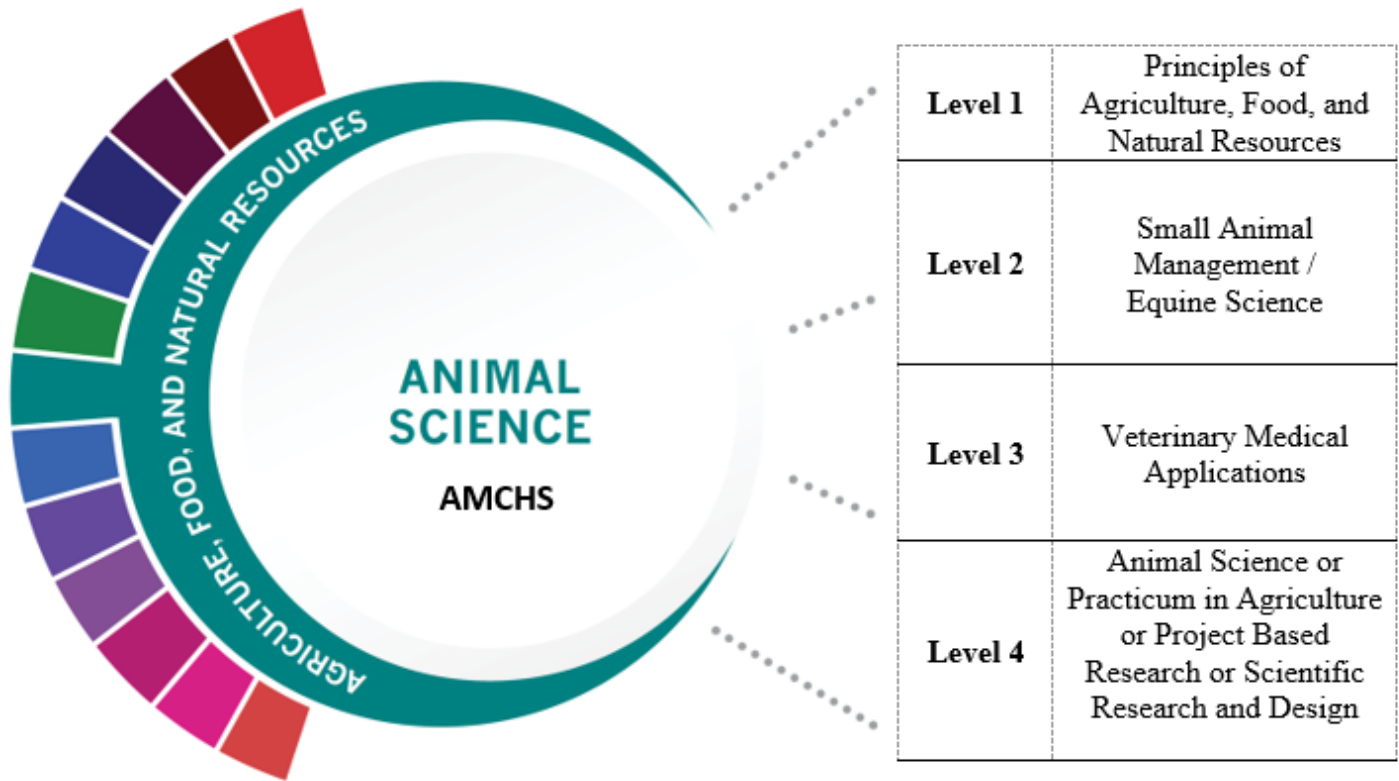
Course Description: Counseling aides assist in the Counseling office. This is not a study hall. Students should be trustworthy and able to work independently.

Career and Technical Education Programs of Study



The College Station Independent School District does not discriminate based on race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services. Josh Symank, 1812 Welsh, College Station, TX 77840 (979-764-5760) has been designated to coordinate compliance with the nondiscrimination requirements of Title IX. Lindsey Fuentes, Director of Special Services, 1812 Welsh, Suite 120, College Station, TX 77840 (979- 764-5433) has been designated to coordinate compliance with the nondiscrimination requirements of Section 504 of the Rehabilitation Act. No Discriminación El Distrito Escolar de College Station no discrimina en base de la raza, color, religión, sexo, origen nacional, edad o inhabilidad en el abastecimiento de los servicios educativos. Josh Symank, 1812 Welsh, College Station, TX 77840 (979-764 5760) ha sido señalada para coordinar conformidad con los requisitos del Título IX. Lindsey Fuentes, Directora de Servicios Especiales, 1812 Welsh, Suite 120, College Station, TX (979-764-5433) ha sido señalada para coordinar conformidad con los requisitos de la Sección 504 de la Ley de Rehabilitación.

College Station Independent School District
Success...each life.... each day.... each hour



Animal Science Program of Study Course Descriptions - AMCHS Only

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study. Students not zoned for AMCHS must complete the transfer process each year to be able to attend AMCHS and complete this Program of Study. Students who transfer are required to continue in the Program of Study to stay at their new campus. Transfers are approved based on availability.

Principles of Ag, Food & Natural Resources

(13000200 PRINAFNR)

6000 9th -11th 1 credit 4.0

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 (AMCHS only)

(13000500 EQUINSCI)

6043 10th -12th .5 credit 4.0

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)

Ag, Food and Natural Resources

Small Animal Management (AMCHS only)

(13000400 SMANIMGT)

6053 10th -12th .5 credit 4.0

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)

Veterinary Medical Applications (AMCHS only)

(13000610 VETMEDAP)

6050 11th -12th 1 credit 5.0

Prerequisite(s): Equine Sci./Small Animal Management OR Livestock Production

Course Description: This upper-level course includes, but is not limited to, animal handling and restraint, health and safety, sanitation, surgical preparation, anatomy, physiology, medical terminology, infectious diseases, instrument and equipment identification, vaccine preparation and injection techniques, laws and ethics, and veterinary office procedures. The curriculum provides instruction to assist students in practicing communication skills, utilizing listening skills to follow directions, practicing basic mathematics skills as applied to a veterinary medical setting, reading to gain information, and performing assignments and tasks as directed (Elective/CTE Credit)

Animal Science (AMCHS only)

(13000700 ADVANSCI)

6054 12th 1 credit 5.0

Prerequisite(s): Biology; Chemistry or IPC; Algebra 1 and Geometry; Small Animal Management, Equine Science 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)

Practicum in Ag, Food & Natural Resources – Animal Science (AMCHS only)

(13002500 PRACAFNR1)

6087 12th 2 credits 5.0

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)

Supplemental Animal Science Class

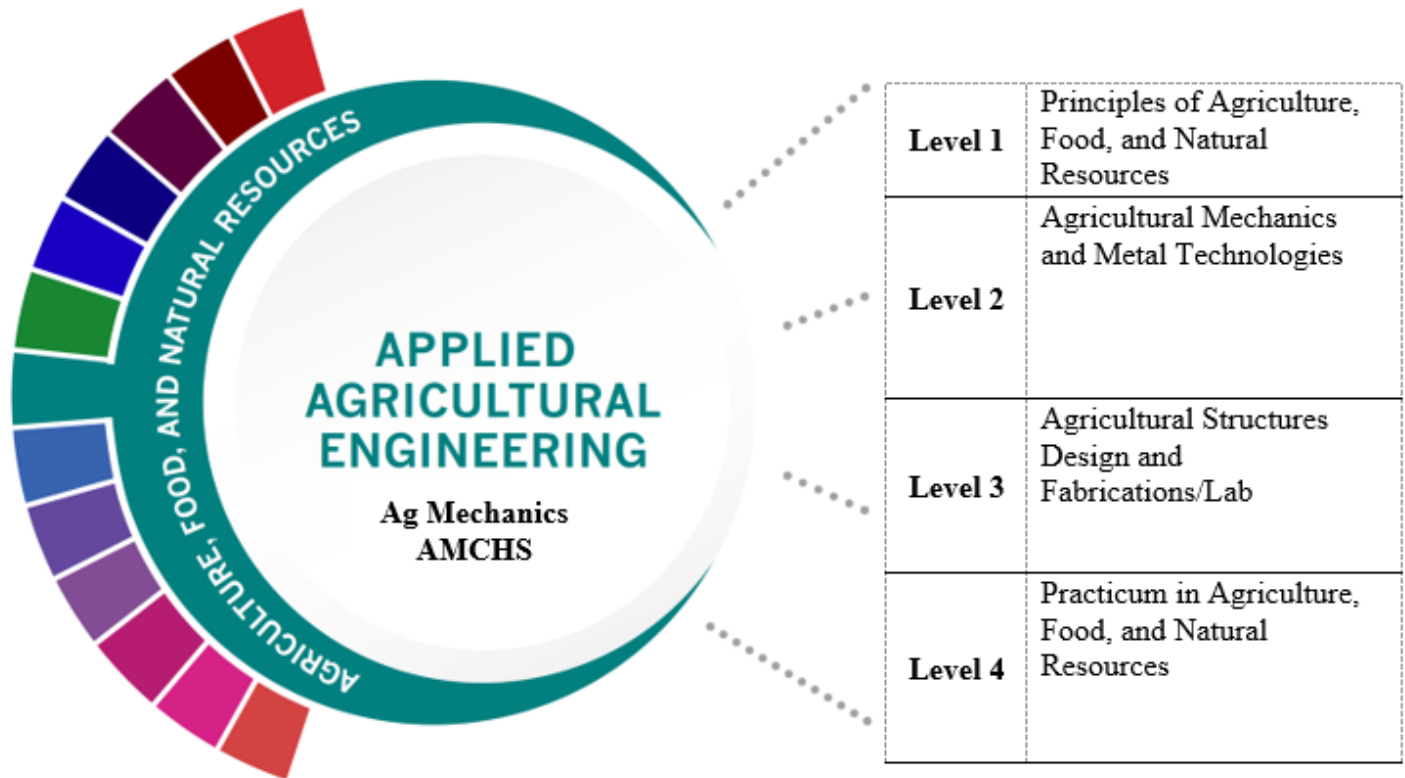
Livestock Production

(13000300 LIVEPROD)

6040 10th -12th 1 credit 4.0

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)



Applied Agricultural Engineering Program of Study Course Descriptions - AMCHS Only

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study. Students not zoned for AMCHS must complete the transfer process each year to be able to attend AMCHS and complete this Program of Study. Students who transfer are required to continue in the Program of Study to stay at their new campus. Transfers are approved based on availability.

Principles of Ag, Food & Natural Resources

(13000200 PRINAFNR)

6000 9th -11th 1 credit 4.0

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 (AMCHS only)

(13002200 AGMECHMT)

6070 10th -12th 1 credit 4.0

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, SMAW, 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. Long sleeve shirts, leather shoes and jeans are required clothing for shop work. (Elective/CTE Credit)

Ag, Food and Natural Resources

Agricultural Structures Design and Fabrication w/lab (AMCHS only)

(13002310 AGSDFLAB)

6080 11th -12th 2 credits 5.0

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. Long sleeve shirts, leather shoes and jeans are required clothing for shop work. (Elective/CTE Credit)

Practicum in Ag, Food & Natural Resources – Ag Mechanics (AMCHS only)

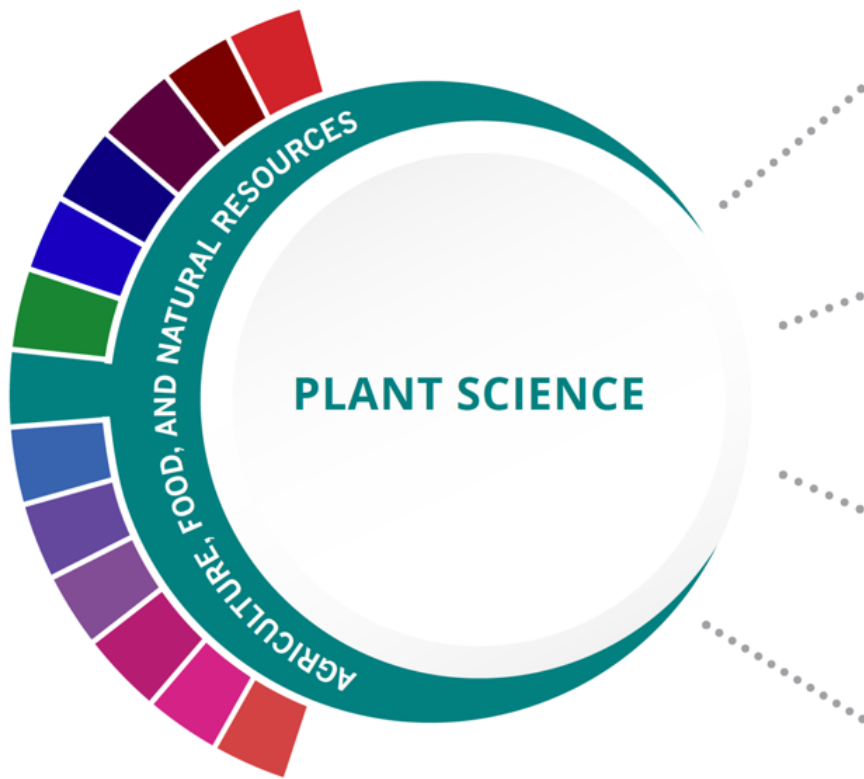
(13002500 PRACAFNR1)

6084 12th 2 credits 5.0

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. Long sleeve shirts, leather shoes and jeans are required clothing for shop work. (Elective/CTE Credit)

Students in the Ag Mechanics program can also choose to go to the Bryan CTE Center and take Welding I and Welding II to finish this program of study.



Level 1	Principles of Agriculture, Food, and Natural Resources
Level 2	Floral Design
Level 3	Advanced Floral Design
Level 4	Practicum in Agriculture, Food, and Natural Resources OR Plant and Soil Science (CSHS only) OR Scientific Research and Design

Plant Science Program of Study Course Descriptions

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 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)

6000 9th -11th 1 credit 4.0

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)

Floral Design

(13001800 FLORAL)

6020 10th -12th 1 credit 4.0

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

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)

Ag, Food and Natural Resources

Advanced Floral Design

(N1300270 ADVFLDES)

6024 11th -12th 1 credit 5.0

Prerequisite(s): Floral Design

Course Description: Want to build upon the knowledge and skills you learned in Floral Design? In this course, you will be introduced to more advanced floral design concepts, with an emphasis in specialty designs and specific occasion designs. (Elective/CTE Credit)

Practicum in Ag, Food and Natural Resources – Floral Design

(13002500 PRACAFNR1)

6027 12th 2 credits 5.0

Prerequisite(s): Advanced Floral Design

Course Description: Students will create designs for customers, teach classes and help run the floral shop. (Elective/CTE Credit)

Plant & Soil Science (CSHS)

(13002100 ADVPSSCI)

6004 11th -12th 1 credit 5.0

Prerequisite(s): Biology, IPC, Chemistry or Physics; 1 credit from the Ag, Food and Natural Resources Cluster

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)

Scientific Research and Design

(13037200 SCIRD)

6990 11th -12th 1 credit 4.0

6990H 11th - 12th 1 credit 5.0

Prerequisite(s): Biology, Chemistry, Physics

Course Description: Scientific Research and Design is a broad-based course designed to include the components of the scientific and/or engineering design processes. Students will learn problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. Students and teachers will collaborate to determine the specific topic of study for each individual student which will integrate with career and technical education. Students taking the 4.0 course will complete a series of projects throughout the year that can be related to a single topic or multiple topics within an area of study. Students choosing the 4.0 option will conduct one year-long research study that will be presented at least two competitions such as science and engineering fairs. The 4.0 option will include a time commitment outside of the regular class time. (Elective Credit / Science Credit)

Supplemental Plant Science Class

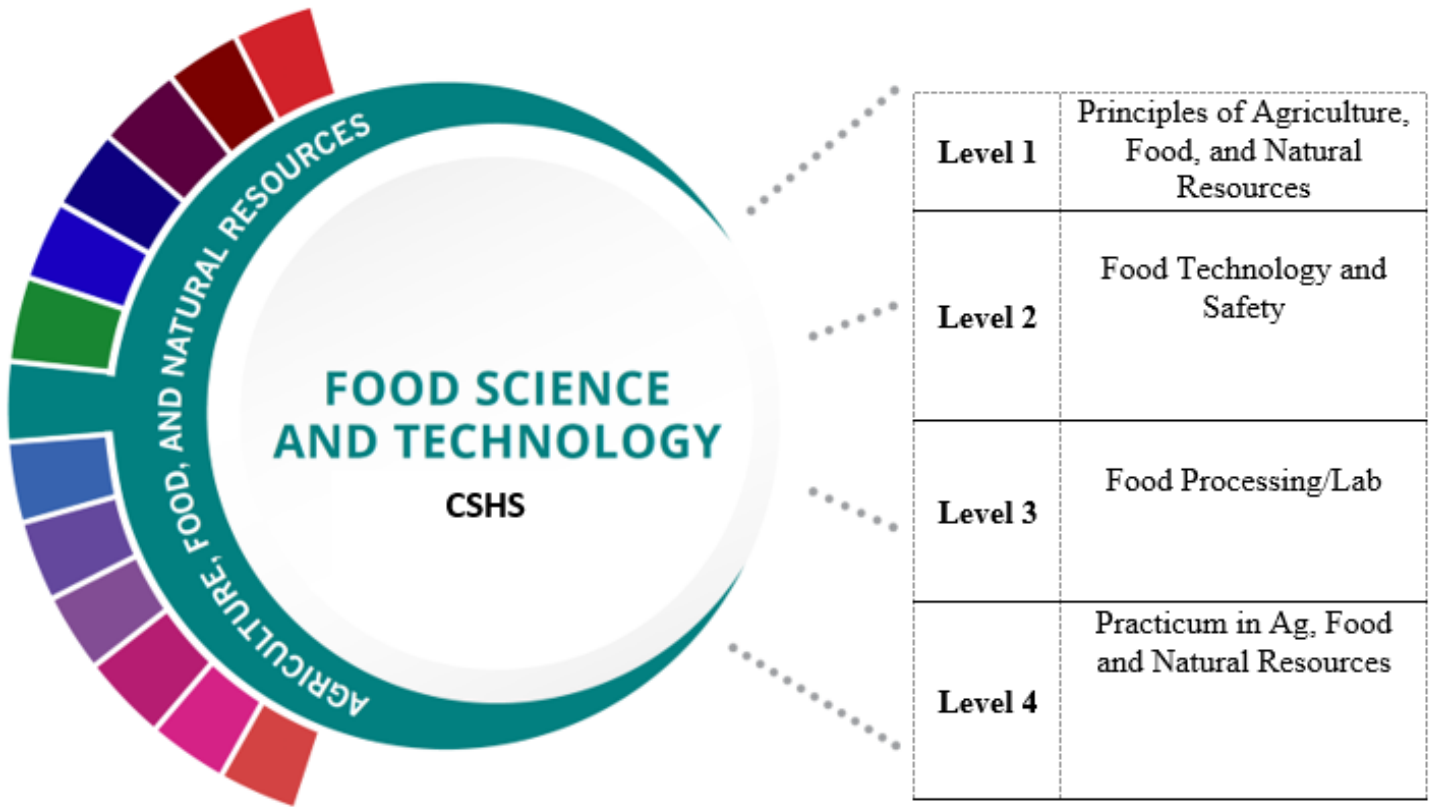
Horticulture Science

(13002000 HORTISCI)

6010 10th -12th 1 credit 4.0

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

Course Description: Turn over a new leaf in high school. Plant a seed and watch it grow in plant science. You will learn about soil management and proper planting techniques. Knowledge will also be gained in plant reproduction and maintenance of a greenhouse as well as exploring the floral and landscaping industry. (Elective/CTE Credit)



Food Science and Technology Program of Study Course Descriptions - CSHS only

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study. Students not zoned for CSHS must complete the transfer process each year to be able to attend CSHS and complete this Program of Study. Students who transfer are required to continue in the Program of Study to stay at their new campus. Transfers are approved based on availability.

Principles of Ag, Food & Natural Resources

(13000200 PRINAFNR)

6000 9th-11th 1 credit 4.0

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 Credit/CTE Credit)

Food Technology and Safety (Foods of Texas) (CSHS only)

(13001300 FOODTS)

6064 10th-12th 1 credit 4.0

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

Course Description: From the farm gate to your plate, learn how the Foods of Texas start from a raw product and transforms into a product in your grocery basket or at your favorite restaurant. This class focuses on Texas favorites by examining the production of food, food safety and handling practices, and marketing techniques. Students will grill steaks, smoke meats, grind and stuff sausage, can produce, prepare ice cream, make tamales, etc. Additionally, students will earn their Texas Food Handler’s license. (Elective/CTE Credit)

Ag, Food and Natural Resources

Food Processing (CSHS only)

(13001410 FOODPRO)

6060 11th-12th 2 credits 5.0

Prerequisite(s): Food Technology and Safety

Course Description: Students who enroll in Food Processing will have hands-on experience in processing carcasses and wholesale cuts into value-added retail products – sausage, bacon, ham and smoked products. Quality control and marketing practices will be conducted in an entrepreneurial environment. Students will gain ServSafe knowledge and practices. (Elective/CTE Credit)

Practicum in Ag, Food and Natural Resources –

Food Processing

(13002500 PRACAFNR1)

6067 12th 2 credits 5.0

Prerequisite(s): Food Safety and Technology, Food Processing

Course Description: Students with a genuine career interest in food processing and meat science will enjoy this advanced course. Instruction will focus on managing projects, new product development, food safety and HACCP, and working with others in a laboratory setting. (Elective/CTE Credit)

Scientific Research and Design

(13037200 SCIRD)

6990 11th -12th 1 credit 4.0

6990H 11th - 12th 1 credit 5.0

Prerequisite(s): Biology, Chemistry, Physics

Course Description: Scientific Research and Design is a broad-based course designed to include the components of the scientific and/or engineering design processes. Students will learn problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. Students and teachers will collaborate to determine the specific topic of study for each individual student which will integrate with career and technical education. Students taking the 4.0 course will complete a series of projects throughout the year that can be related to a single topic or multiple topics within an area of study. Students choosing the 4.0 option will conduct one year-long research study that will be presented at least two competitions such as science and engineering fairs. The 4.0 option will include a time commitment outside of the regular class time. (Elective Credit / Science Credit)

Project Based Research

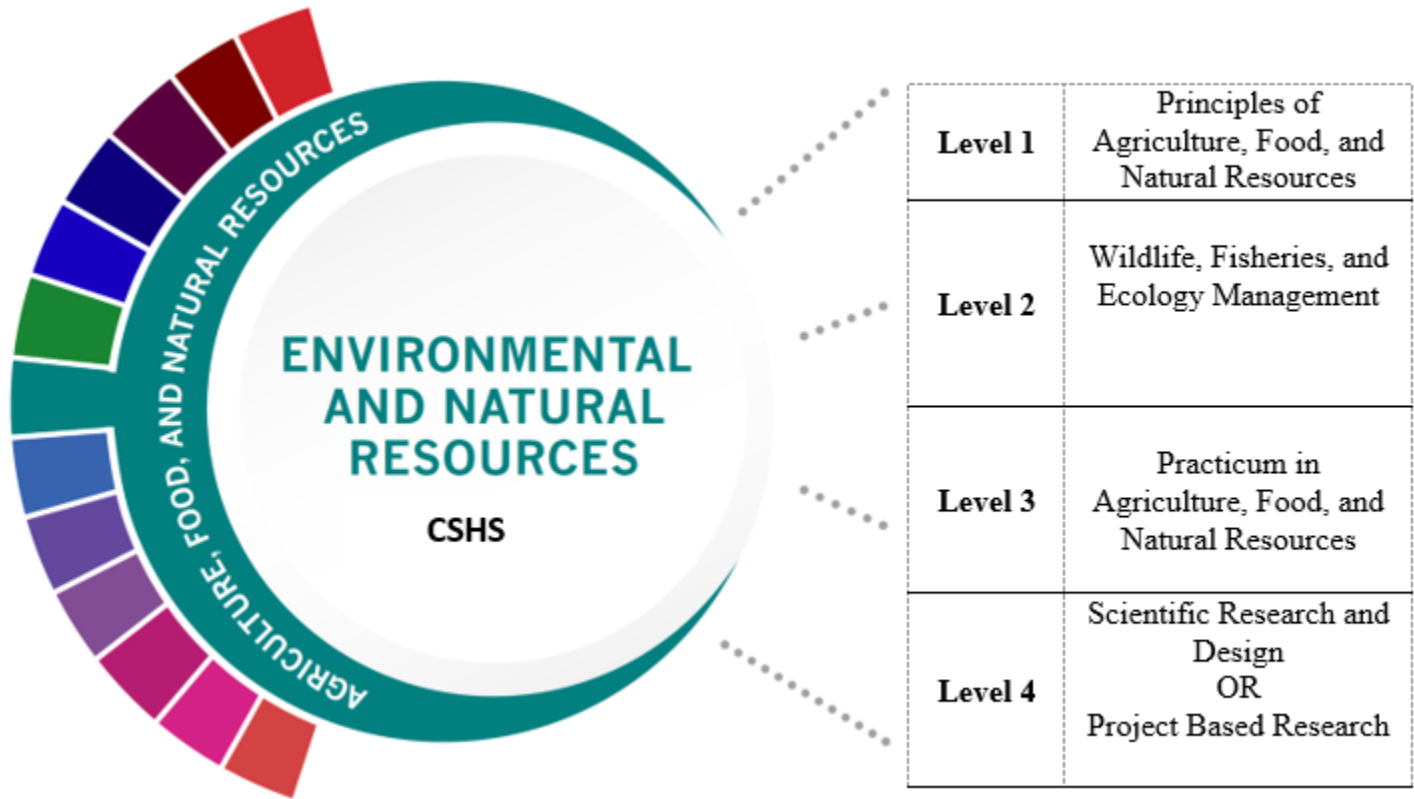
(12701500 PROBS1)

6591, 6592 11th-12th 1 credit 4.0/5.0

6593, 6594 12th 1 credit 4.0/5.0

Prerequisite(s): Student must gain instructor, counselor, and mentor approval for projects.

Course Description: Students will develop a comprehensive project and work with an instructor and a mentor from the business/industry/post-secondary community, who will help guide them and assess their progress. At the completion of the project, the student will make a presentation to a panel of experts in the field being addressed. Students must go through the instructor and cannot request this course on their course request form. This course will be placed in the student's schedule (pending approval) in early August after schedules have been created. Advanced credit may be considered depending on project. Students are responsible for any fees associated with their course. (Elective/CTE Credit)



Environmental and Natural Resources Program of Study Course Descriptions - CSHS only

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study. Students not zoned for CSHS must complete the transfer process each year to be able to attend CSHS and complete this Program of Study. Students who transfer are required to continue in the Program of Study to stay at their new campus. Transfers are approved based on availability.

Principles of Ag, Food & Natural Resources

(13000200 PRINAFNR)

6000 9th-11th 1 credit 4.0

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 Credit/CTE Credit)

Wildlife, Fisheries & Ecology Management (CSHS only)

(13001500 WFECGT)

6030 10th-12th 1 credit 4.0

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, a hunter safety certificate and boating safety certificate can be earned through this hands-on course. (Elective/CTE Credit)

Ag, Food and Natural Resources

Practicum in Ag, Food and Natural Resources - Wildlife

(13002500 PRACAFNR1)

6037 12th 2 credits 5.0

Prerequisite(s): Principles of Ag, Food and Natural Resources and Wildlife, Fisheries and Ecology Mgmt

Course Description: Students with an interest in a career related to wildlife/fisheries will enjoy this advanced class about managing wildlife areas. Students will learn about managing game animals, conduct scat analysis, discuss survival techniques, and work in the CSHS aquaculture facility. Students will practice managing an area for wildlife species and will calculate carrying capacity, learn to identify and manage plants, and learn plant preferences of wildlife species. Students will also discuss controversial topics related to wildlife management and hunting. (Elective/CTE Credit)

Scientific Research and Design

(13037200 SCIRD)

6990 11th -12th 1 credit 4.0

6990H 11th - 12th 1 credit 5.0

Prerequisite(s): Biology, Chemistry, Physics

Course Description: Scientific Research and Design is a broad-based course designed to include the components of the scientific and/or engineering design processes. Students will learn problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. Students and teachers will collaborate to determine the specific topic of study for each individual student which will integrate with career and technical education. Students taking the 4.0 course will complete a series of projects throughout the year that can be related to a single topic or multiple topics within an area of study. Students choosing the 4.0 option will conduct one year-long research study that will be presented at least two competitions such as science and engineering fairs. The 4.0 option will include a time commitment outside of the regular class time. (Elective Credit / Science Credit)

Project Based Research

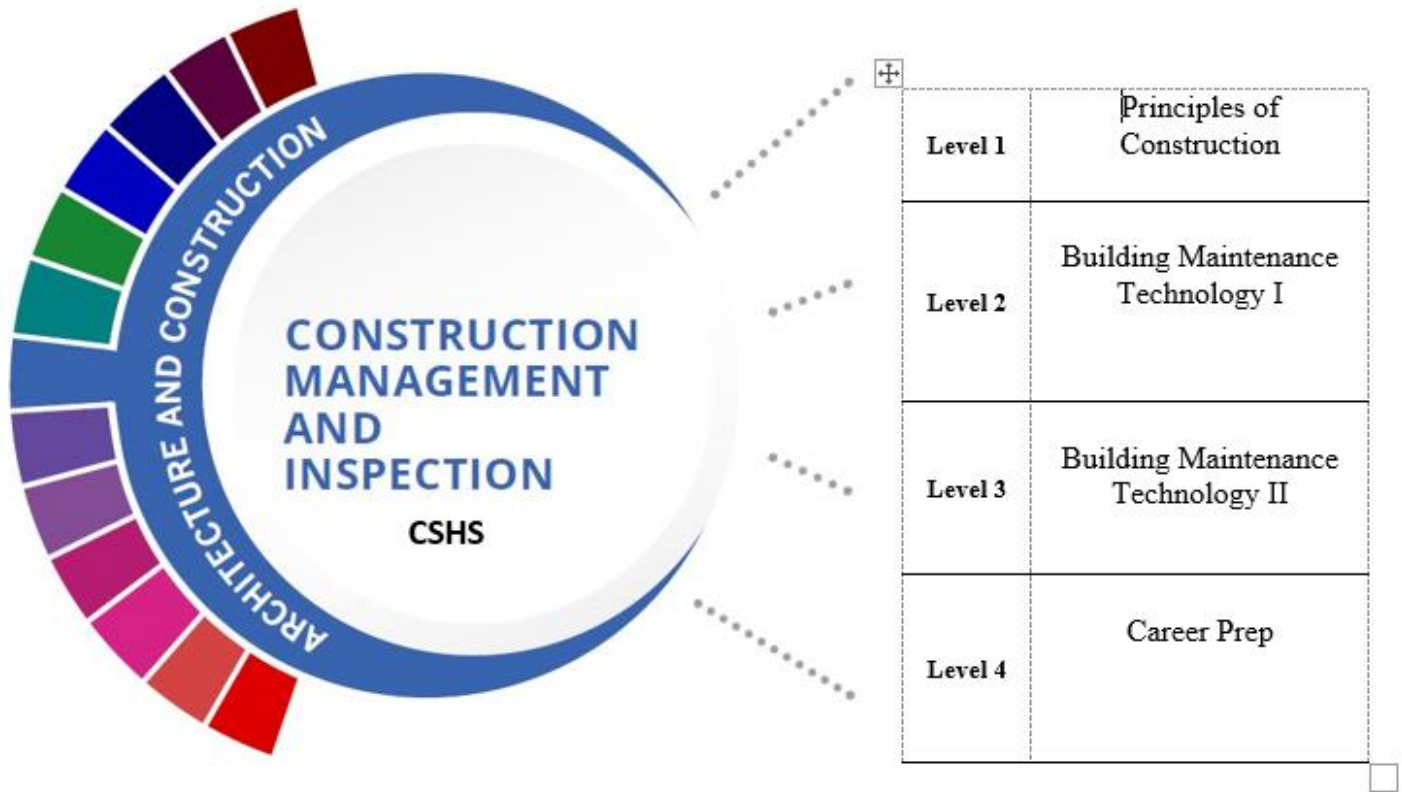
(12701500 PROBS1)

6591, 6592 11th-12th 1 credit 4.0/5.0

6593, 6594 12th 1 credit 4.0/5.0

Prerequisite(s): Student must gain instructor, counselor, and mentor approval for projects.

Course Description: Students will develop a comprehensive project and work with an instructor and a mentor from the business/industry/post-secondary community, who will help guide them and assess their progress. At the completion of the project, the student will make a presentation to a panel of experts in the field being addressed. Students must go through the instructor and cannot request this course on their course request form. This course will be placed in the student's schedule (pending approval) in early August after schedules have been created. Advanced credit may be considered depending on project. Students are responsible for any fees associated with their course. (Elective/CTE Credit)



Construction Management and Inspection Program of Study Course Descriptions - CSHS only

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study. Students not zoned for CSHS must complete the transfer process each year to be able to attend CSHS and complete this Program of Study. Students who transfer are required to continue in the Program of Study to stay at their new campus. Transfers are approved based on availability.

Principles of Construction

(13004220 PRINCON)

6764 9th-12th 1 credit 4.0

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 Available. (Elective/CTE Credit)

Building Maintenance Technology I (CSHS only)

(13005400 BUILDMAN1)

6750 10th-12th 2 credits 4.0

Prerequisite(s): Principles of Construction and any local requirements

Course Description: Want to prepare yourself for a career in construction management? Students in Building Technology will gain hands-on knowledge in plumbing, electrical, and heating, ventilation, and air conditioning (HVAC) systems as well as methods for repairing and installing drywall, roofing, and insulation systems. Safety will be the primary focus as students learn to work together in these diverse conditions. Students will be able to become certified in OSHA and begin NCCER certification. (Elective/CTE Credit)

Architecture and Construction

Building Maintenance Technology II (CSHS only)

(13005500 BUILDMA2)

6754 11th-12th 2 credits 5.0

Prerequisite(s): Building Maintenance Technology and any local requirements

Course Description: Students interested in supervisory roles and postsecondary degrees in construction management will want to pursue this course to learn skills in Occupational Safety and Health Administration (OSHA) standards, safety devices in electrical circuits, maintenance of electrical and heating, ventilation, and air conditioning (HVAC) systems, and concepts of historic preservation. Students will complete NCCER Basic Construction certification. (Elective/CTE Credit)

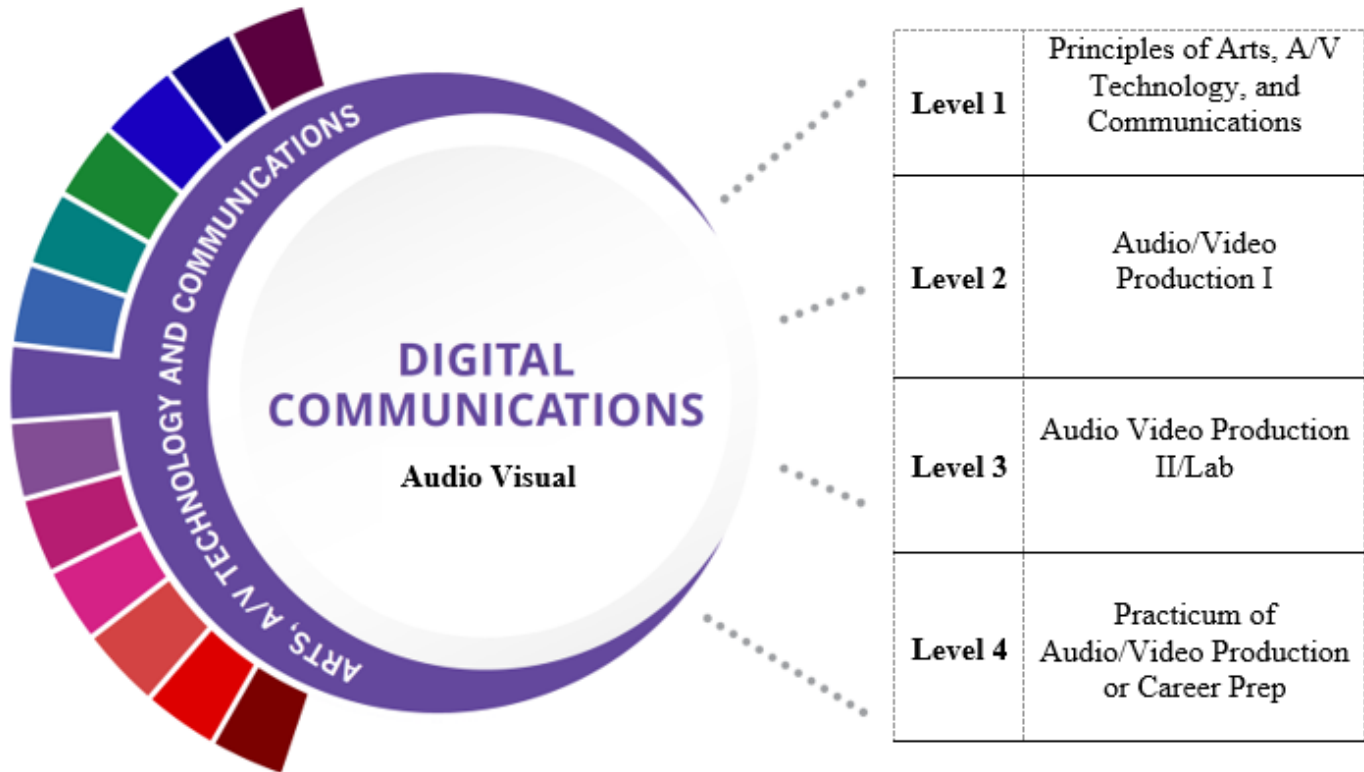
Career Preparation I

(12701305 CAREERP1)

6800 11th-12th 3 credits 4.0

Prerequisite(s): 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)



Digital Communications Program of Study Course Descriptions

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 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)

6310 9th-11th 1 credit 4.0

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. (Elective/CTE Credit)

Audio/Video Production

(13008500 AVPROD1)

6440 9th-12th 1 credit 4.0

Prerequisite(s): Principles of AAVC or Commercial Photography and any local requirements

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 news casts featuring videos, TV anchors, and news stories. Students have access to professional 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. *Dual Credit (p.15) (Elective/CTE Credit)

Audio/Video Production II w/lab

(13008610 AVPLAB2)

6450 10th-12th 2 credits 5.0

Prerequisite(s): Audio/Video Production and any local requirements

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)

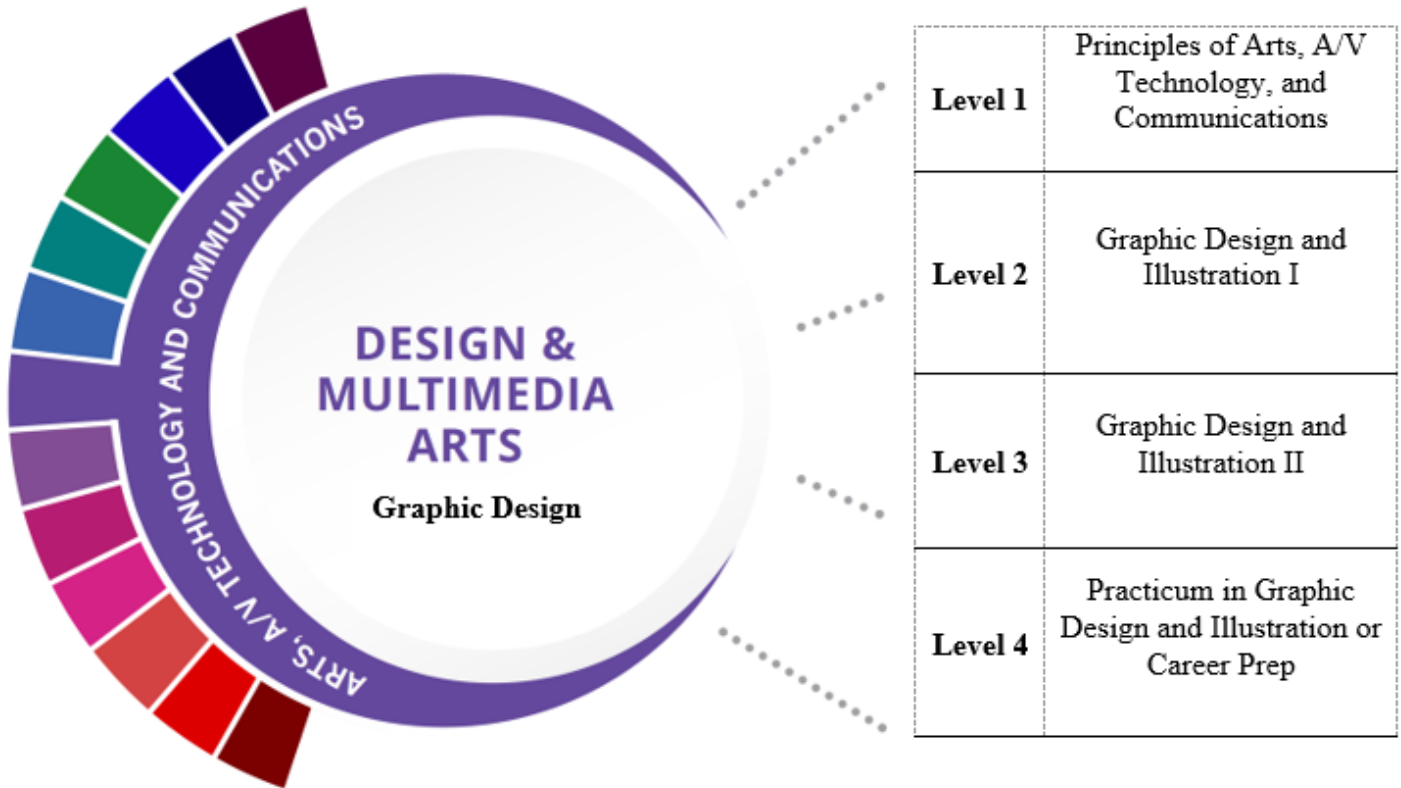
Practicum in Audio/Video Production

(13008700 PRACAVP1)

6460 11th-12th 2 credits 5.0

Prerequisite(s): Audio/Video Production II w/lab, Students in worked based job or internships will be required to provide their own transportation.

Course Description: Innovation is the driving force behind this course, which is designed for students who want to pursue advanced Audio/Video Production topics. This course will give students the opportunity to hold a position or internship in the media/journalism field. Students will produce professional level projects that can be used in a college/career portfolio. The focus of the class is real-world application of the skills learned in Audio/Video Production and Advanced Audio/Video Production. Opportunities for Adobe certifications are available. Students will have project-based assessments and hands-on application of real-world media productions in school or work/internship-based placement. (Elective/CTE Credit)



Digital Communications Program of Study Course Descriptions

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 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)
 # 6310 9th -11th 1 credit 4.0

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. (Elective/CTE Credit)

Graphic Design and Illustration

(13008800 GRAPHDI1)
 # 6410 9th -12th 1 credit 4.0

Prerequisite(s): Principles of AAVC

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. *Dual Credit (p.15) (Elective/CTE Credit)

Graphic Design and Illustration II

(13008900 GRAPHDI2)

6414 10th-12th 1 credit 5.0

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. * Dual Credit (p. 15) (Elective/CTE Credit)

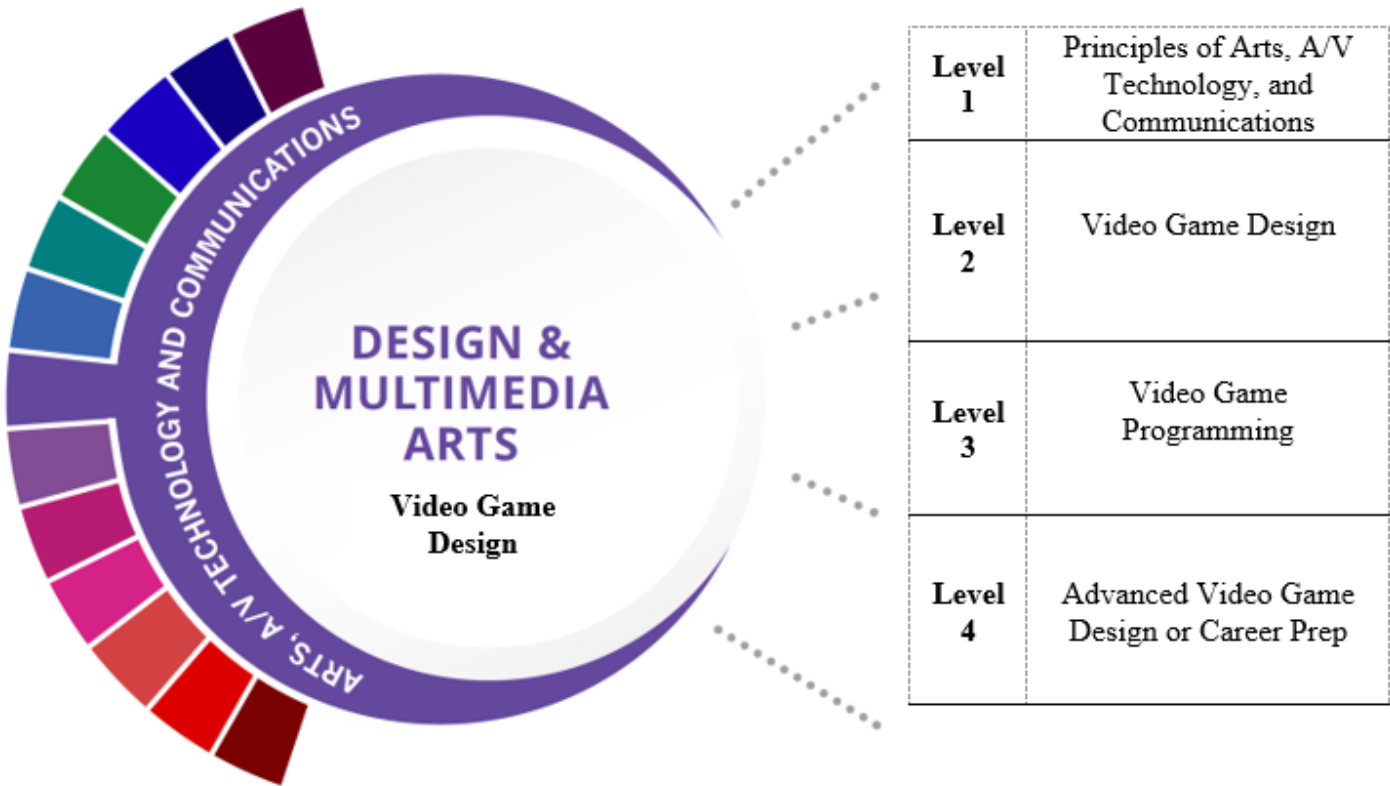
Practicum in Graphic Design and Illustration

(13009000 PRACGRD1)

6424 11th-12th 2 credits 5.0

Prerequisite(s): Graphic Design II

Course Description: Innovation is the driving force behind this course, which is designed for students who want to pursue advanced graphic design topics. This course will give students the opportunity to hold a position or internship in the media/journalism field. Students will produce professional level projects that can be used in a college/career portfolio. The focus of the class is real-world application of the skills learned in Advanced Graphic Design. Opportunities for Adobe / Autodesk certifications are available. Students will have project-based assessments and hands-on application. (Elective/CTE Credit)



Design and Multimedia Arts Program of Study Course Descriptions

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 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)

6310 9th -11th 1 credit 4.0

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. (Elective/CTE Credit)

Video Game Design

(13009970 VIDGD)

#6364 9th -12th 1 credit 4.0

Prerequisite(s): Principles of Arts, A/V, Communications

Course Description: In this class, students move from player to creator. Artists use their tools to create wild worlds and daring heroes. Developers use programming languages to power the action, and the designers craft the stories and structure that brings it all together. This class challenges students to create several computer and mobile based applications as they learn concepts such as storyboarding, programming, event scripting, visual and audio design, level design, and troubleshooting. Upon completion of this course, the student will have cooperatively created a complete computer game that is presented to an evaluation panel of their peers. (Elective/CTE credit)

Video Game Programming

(N1300994 VIDEOPR)

6373 10th -12th 1 credit 5.0

Prerequisite(s): Video Game Design

Course Description: Video Game Programming expands on the design foundation created in Video Game Design through exposure to programming languages such as: C#, C++ and Unreal Blueprints. In this course, students will investigate the inner workings of several different types of fully functional games beginning with 2D games in the Fall and finishing with 3D games in the Spring. Students will create several entry level games designed to teach the student how to build on the mechanics learned in Game Design so that they can expand their knowledge of game design engines and begin creating their own projects. Students will finish the year with a capstone game in which they design a game from scratch and be responsible for all the coding and scripting to bring the game to life. (Elective/CTE Credit)

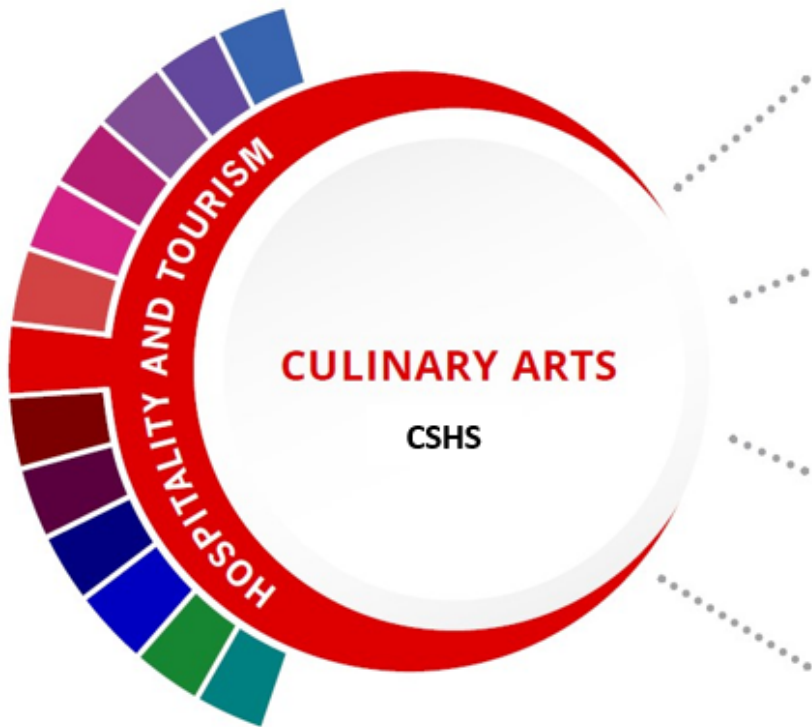
Advanced Video Game Programming

(N1300995 ADVVIDEOGP)

6376 11th-12th 1 credit 5.0

Prerequisite(s): Video Game Design, Video Game Programming

Course Description: Advanced Video Game Programming students will be introduced to advanced game programming techniques required of more complex video games. Time will be spent learning basic functions required to create larger projects including how to collaborate on projects with cloud-based resources. Using Unity or Unreal Engine as an introduction to 3D game development, students will have exposure to and an understanding of object-oriented programming concepts; game development skill with programs such as Unity; 3D modeling with programs such as Maya; image manipulation with programs such as Photoshop, Illustrator and aftereffects; concepts related to the design process; and the ability to communicate and collaborate on group-based projects. By the end of this course students will have a holistic understanding of the work required to create a complete game from start to finish through the completion of a semester-long game project which will be delivered at the end of the spring semester. (Elective/CTE Credit)



Level 1	Introduction to Culinary Arts
Level 2	Culinary Arts
Level 3	Advanced Culinary Arts
Level 4	Practicum in Culinary Arts or Career Prep

Culinary Arts Program of Study Course Descriptions - CSHS Only

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study. Students not zoned for CSHS must complete the transfer process each year to be able to attend CSHS and complete this Program of Study. Students who transfer are required to continue in the Program of Study to stay at their new campus. Transfers are approved based on availability.

Introduction to Culinary Arts

(13022550 INCULART)
 # 6900 9th-10th 1 credit 4.0

Prerequisite(s): None

Course Description: Introduction to Culinary Arts is a combination classroom and lab-based class that will emphasize the principles of planning, organizing, staffing, directing and controlling the management of a food service operation. Introduction to Culinary Arts will provide insight into food preparation, various levels of industry management, and hospitality skills. Focus will be on planning, teamwork, and employability skills. This entry level course is great for students interested in pursuing a career in the food service industry. Students will be able to pursue their SERV Safe Food Handlers Certification. (Elective/CTE Credit)

Culinary Arts (CSHS only)

(13022600 CULARTS)
 # 6910 10th-12th 2 credits 4.0

Prerequisite(s): Introduction to Culinary and any local requirements

Course Description: Throughout this in-depth course, students will be immersed in the world of culinary arts. With an emphasis on teamwork and food safety, students will prepare a full range of menu items. In addition to advanced culinary skills, instruction includes budgeting and marketing, restaurant management, food safety and sanitation, presentation, and serving. Students will pursue their Food Managers Certification. Upon leaving this course, students will be prepared for an exciting career in food service and the hospitality industry or for culinary school. Uniforms will be provided; however, students can choose to purchase their own. (Elective/CTE Credit)

Advanced Culinary Arts (CSHS only)

(13022650 ADCULART)

6920 11th-12th 2 credits 5.0

Prerequisite(s): Culinary Arts and any local requirements

Course Description: This 2-credit block course is designed for second year Culinary Arts students who will be continuing their education in safety, sanitation, professionalism, food preparation techniques and procedures. This upper-level course will also cover career opportunities, employability skills, customer service, food costs, and inventory controls. Students in this level will engage in a hands-on food preparation and service opportunities and will experience a variety of jobs. Emphasis will be on quality food preparation, teamwork, developing a critical palate, and researching current culinary trends. Students will be expected to participate in catering and food service events as well as local competitions. Uniforms will be provided; however, students can choose to purchase their own. (Elective/CTE Credit)

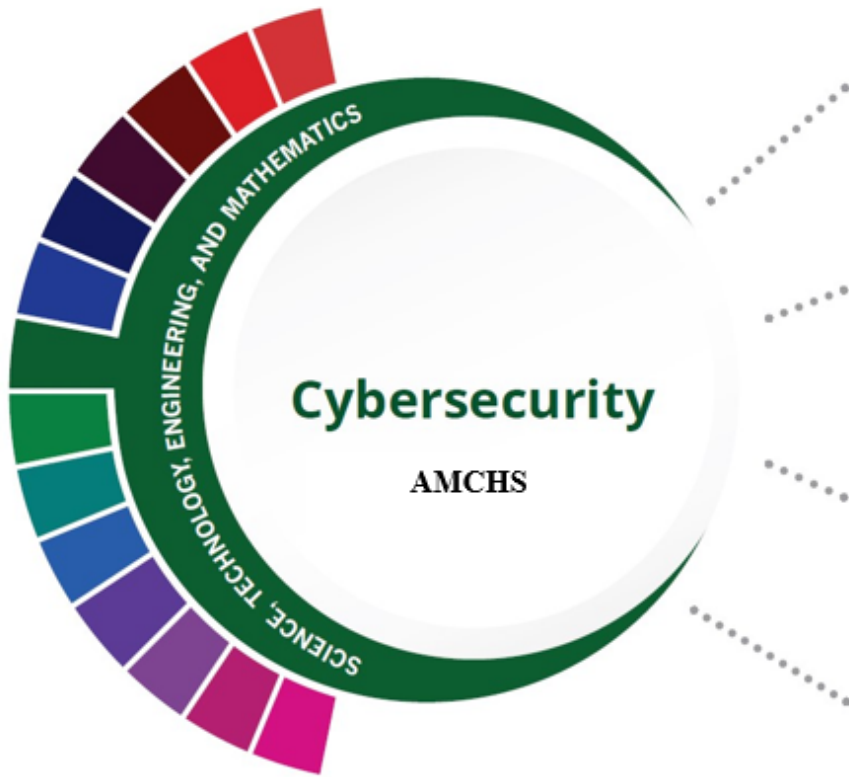
Practicum in Culinary Arts

(13022700 PRACCUL1)

6930 9th – 12th 2 credits 5.0

Prerequisite(s): Advanced Culinary Arts and any local requirements

Course Description: Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing culinary art-based workplace. Uniforms will be provided; however, students can choose to purchase their own. (Elective/CTE Credit)



Level 1	Principles of Information Technology OR Fundamentals of Computer Science (middle school)
Level 2	Computer Maintenance
Level 3	Networking/Lab
Level 4	Practicum in Information Technology

Cybersecurity Program of Study Course Descriptions - AMCHS Only

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study. Students not zoned for CSHS must complete the transfer process each year to be able to attend CSHS and complete this Program of Study. Students who transfer are required to continue in the Program of Study to stay at their new campus. Transfers are approved based on availability.

Principles of Information Technology

(13027200 PRINIT)

6300 9th-11th 1 credit 4.0

Prerequisite(s): None

Course Description: Are you interested in the fast-paced, changing industry of Information Technology? This course will offer an introductory level of knowledge on a variety of subjects including blogs, forums, and messaging. Areas covered include computer hardware and software, networking, programming, web page design, Microsoft Office applications, file management, and operating systems. (Elective/CTE Credit)

Computer Maintenance (AMCHS only)

(13027300 COMPMNT)

6320 10th-12th 1 credit 4.0

Prerequisite(s): Principles of Information Technology and any local requirements

Course Description: This course is designed for students who have an interest in the field of Computer Technology. Students will learn information about the fast-paced world of computer gaming and the real-world issues that face today's computer technicians. Computer safety, security, hardware components, assembly, and architecture will be studied in depth. Students will assemble and dismantle a working computer and will install and study several different operating systems, including Windows XP, Windows 7, Windows 10, Linux, and Mac OS. DC electronics will be covered, as well as principles and techniques of electronic soldering. Students will be prepared to take the internationally recognized CompTIA A+ Certification Exam. *Dual Credit (p. 15) (Elective/CTE Credit)

Networking w/lab (AMCHS only)

(13027410 NETWRLAB)

6330 11th-12th 2 credits 5.0

Prerequisite(s): Computer Maintenance and any local requirements

Course Description: Ever wonder what keeps us connected to the internet and to our cell phones? In this course, students will study the fundamentals of computer networks and internet connectivity. Hands-on applications will be used to learn network server administration, security, imaging, cloning and castling, disaster recovery, windows domain environments, and webserver hosting administration. Students will maintain classroom networks as well as dedicated file servers. Students will be prepared to take the internationally recognized CompTIA Network+ Certification Exam. *Dual Credit (p. 15) (Elective/CTE Credit)

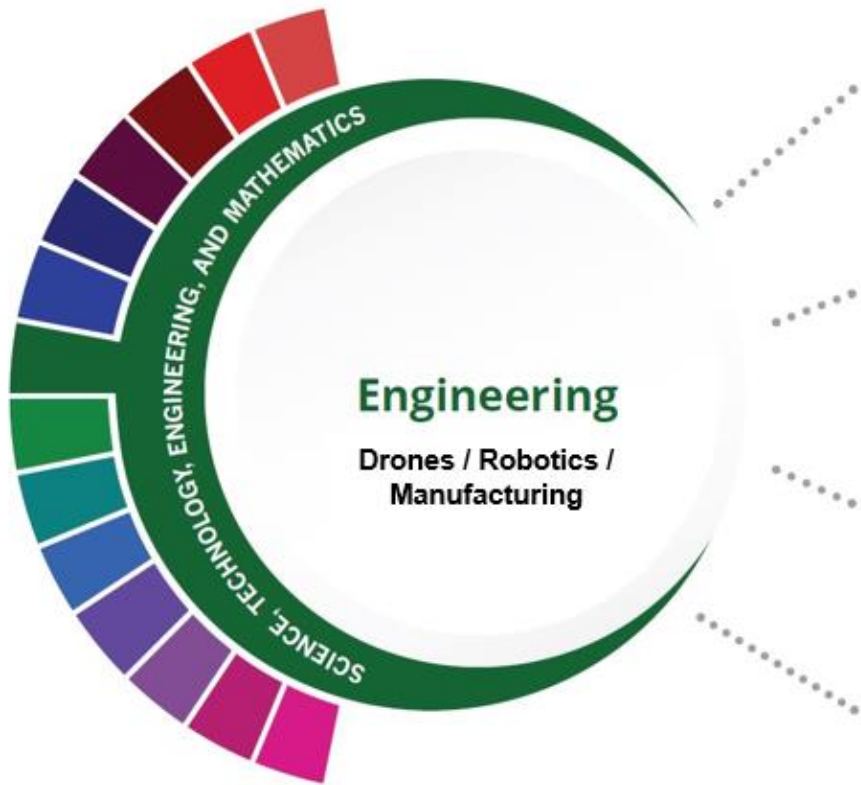
Practicum in Information Technology - Cybersecurity

(13028000 PRACIT1)

6307 11th - 12th 2 credits 5.0

Prerequisite(s): Computer Science II or Networking and any local requirements

Course Description: In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation. (Elective/CTE Credit)



Level 1	Introduction to Unmanned Aerial Vehicle (UAV) Flight
Level 2	Robotics I
Level 3	Robotics II
Level 4	Practicum in Manufacturing

Engineering Program of Study Course Descriptions

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

Introduction to Unmanned Aerial Vehicle (UAV) Flight

(N1304670 / PRINUAV)
 # 6384 9th - 12th 1 credits 4.0

Prerequisite(s): none

Course Description: The Introduction to Unmanned Aerial Vehicle (UAV) Flight course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. Principles of UAV is designed to instruct students in UAV flight navigation, industry laws and regulations, and safety regulations. Students are also exposed to mission planning procedures, environmental factors, and human factors involved in the UAV industry. (Elective/CTE Credit)

Robotics I

(13037000/ ROBOTIC1)
 # 6963 9th – 12th 1 credits 4.0

Prerequisite(s): Introduction to Unmanned Aerial Vehicle (UAV) Flight recommended

Course Description: In Robotics I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry (Elective / CTE credit)

Robotics II

(13037050 / ROBOTIC2)

6966 10th – 12th 1 credits 5.0**Prerequisite(s):** Robotics I

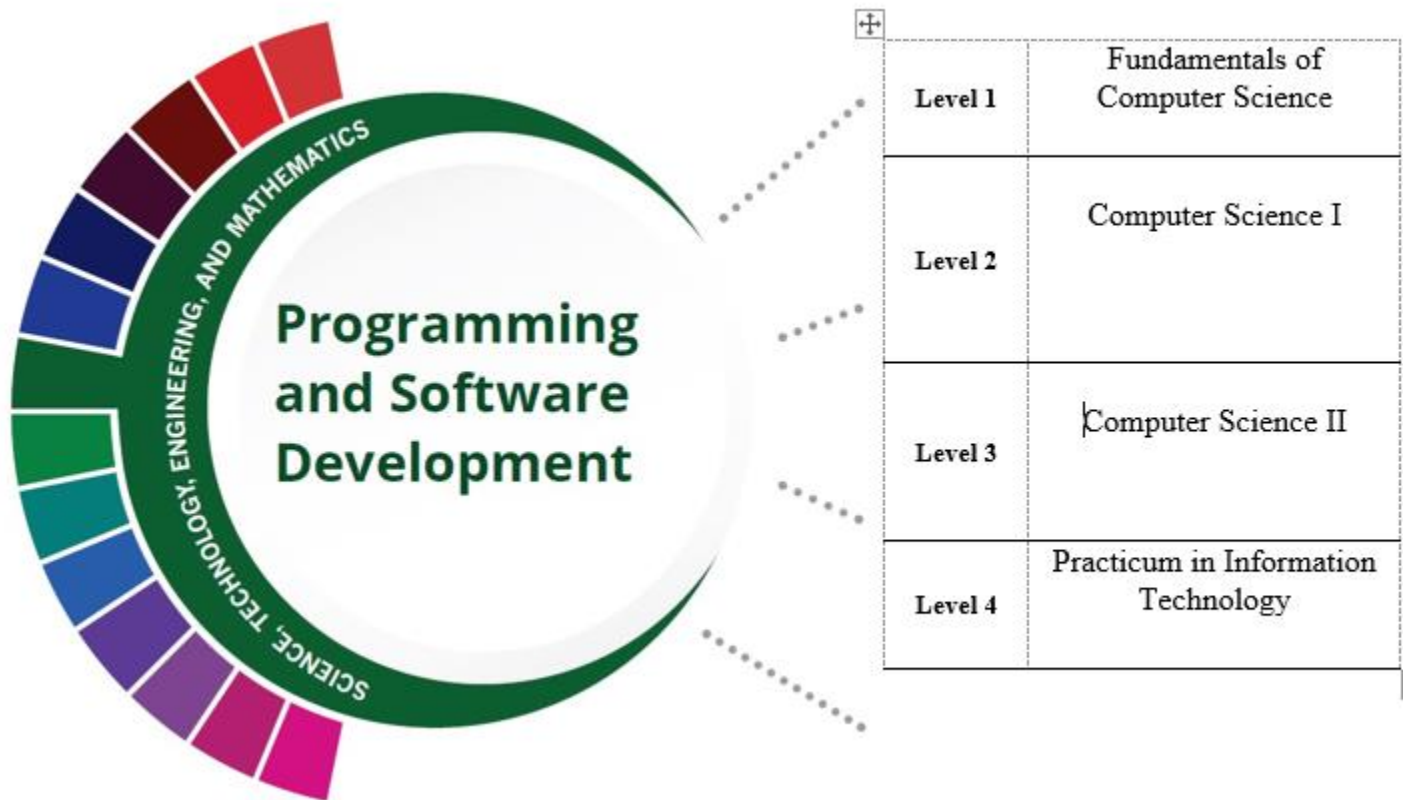
Course Description: In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. (Elective/CTE/Math Credit)

Practicum in Manufacturing

(13033000 (First Time Taken) PRACMAN1; 13033010 (Second Time Taken) PRACMAN 2)

6670 10th – 12th 2 credits 5.0**Prerequisite(s):** Robotics II

Course Description: The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. (Elective / CTE credit)



Programming Program of Study Course Descriptions

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

Fundamentals of Computer Science

(03580140 TAFCS)

6343 9th-12th 1 credit 4.0

Prerequisite(s): None

Course Description: Fundamentals of Computing is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Through creativity and innovation, students will use critical thinking and problem-solving skills to implement projects that are relevant to students’ lives. They will create a variety of computing artifacts while collaborating in teams. Students will gain a fundamental understanding of the history and operation of computers, programming, and web design. Students will also be introduced to computing careers and will examine societal and ethical issues of computing. (CTE credit)

Computer Science I

(03580200 TACS1)

6350 9th-12th 1 credit 5.0

Prerequisite(s): Algebra I

Course Description: Computer Science I will foster students’ creativity and innovation by presenting opportunities to design, implement, and present meaningful programs using the Java programming language. Students will gain an understanding of the principles of computer science through the study of technology operations, systems and concepts. Computer Science I satisfies the first-year foreign language credit. (CTE Credit/Foreign Language credit)

Computer Science II

(03580300 TACS2)

6353 10th-12th 1 credit 5.0

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 using the Java programming language. 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. At the end of the year, students can take the AP Computer Science A exam. Computer Science II satisfies the second-year foreign language credit. (CTE credit/Foreign Language credit)

Practicum in Information Technology - STEM

(PEIMS:13028000 PRACIT1)

6304 11th- – 12th 2 credits 5.0

Prerequisite(s): Computer Science II or Networking and any local requirements

Course Description: In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, ser-vices, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation. (CTE credit)



Level 1	Principles of Business, Marketing, and Finance
Level 2	Business Information Management I
Level 3	Accounting I
Level 4	Accounting II or Practicum in Business Management or Career Prep 1

Programming Program of Study Course Descriptions

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

Principles of Business, Marketing & Finance

(13011200 PRINBMF)
6510 9th -11th 1 credit 4.0

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)
6520 9th -12th 1 credit 4.0

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

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

Accounting I

(13016600 ACCOUNT1)

6640 10th -12th 1 credit 5.0

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

Course Description: Formulate and interpret financial information for use in management decision-making. Financial statements will be prepared both manually and with Excel. Online working papers will also be utilized through the Cengage website. Business simulations will be assigned in both semesters. *Dual Credit (p.15) (Elective/CTE Credit)

Accounting II

(13016700 ACCOUNT2)

6650 11th -12th 1 credit 5.0

Prerequisite(s): Accounting I

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 with a greater analysis and interpretation of financial ratios and reports. (Elective/CTE/Math Credit)

Practicum in Business Management

(13012200 PRACBM)

#6597 11th -12th 2 credits 5.0

Prerequisite(s): Principles of Business, Marketing and Finance, BIM 1 or Accounting I

Course Description: Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs and to make appropriate business decisions. (Elective / CTE Credit)

Career Preparation I

(12701305 CAREERP1)

6800 11th-12th 3 credits 4.0

Prerequisite(s): students must have a 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)

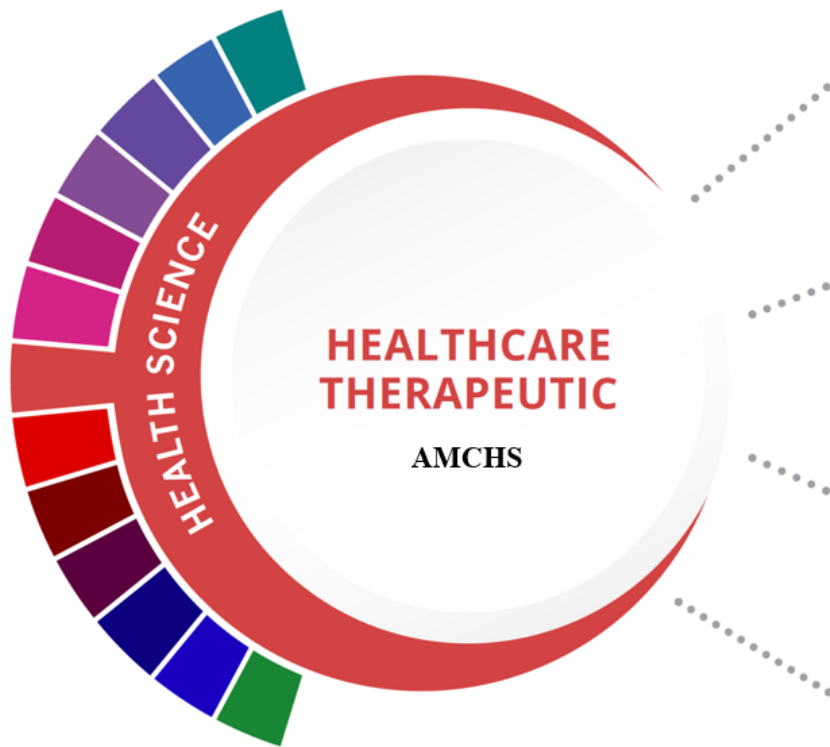
Project Based Research – Business Management (School Store)

(12701500 PROBS1)

6591, 6592 11th -12th 1 credit 5.0

Prerequisite(s): Teacher approval, previous Business courses required

Course Description: Students will develop a comprehensive project and work with an instructor and a mentor from the business/industry/post-secondary community, who will help guide them and assess their progress. At the completion of the project, the student will make a presentation to a panel of experts in the field being addressed. Students must go through the instructor and cannot request this course on their course request form. This course will be placed in the student's schedule (pending approval) in early August after schedules have been created. Advanced credit may be considered depending on project. (Elective/CTE Credit)



Level 1	Principles of Health Science
Level 2	Medical Terminology
Level 3	Health Science Theory / Clinicals Anatomy and Physiology (recommended science course)
Level 4	Practicum in Health Science – EMS, CMA, Pharmacy Tech

Health Care Therapeutic Program of Study Course Descriptions - AMCHS Only

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study. Students not zoned for AMCHS must complete the transfer process each year to be able to attend AMCHS and complete this Program of Study. Students who transfer are required to continue in the Program of Study to stay at their new campus. Transfers are approved based on availability.

Principles of Health Science

(13020200 PRINHLSC)

6120 9th-11th 1 credit 4.0

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 health care 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)

Medical Terminology

(13020300 MEDTERM)

#6137 10th-12th 1 credit 4.0

Prerequisite(s): Principles of Health Science recommended

Course Description: Designed to 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. (Elective/CTE credit)

Health Science

Health Science Theory Advanced (AMCHS only) (13020400 HLTHSCI)

6163H 11th-12th 1 credit 5.0

Prerequisite(s): Principles of Health Science, Biology/Concurrently taking Biology required; Medical Terminology Recommended

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. Topics covered include ethics, medical-legal standards, basic anatomy and physiology, and healthcare career pathways. Students will employ hands-on experiences for continued knowledge and skill development related to healthcare. Students will have the opportunity to earn a CPR/First Aid Certification when taking this course. To fulfill the Advanced requirement, students will be required to perform six volunteer hours each 6-week period in an approved facility. (Elective/CTE Credit)

Health Science Theory w/ Health Science Clinical Advanced (AMCHS only) (13020410 HLTHSCI)

6166H 11th-12th 2 credits 5.0

Prerequisite(s): Principles of Health Science, Biology Advanced /Concurrently taking Biology Advanced required; Medical Terminology recommended

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. Topics covered include ethics, medical-legal standards, basic anatomy and physiology, and healthcare career pathways. Students will employ hands-on experiences for continued knowledge and skill development related to healthcare. As a part of the clinical portion, students will observe medical professionals in the patient care environment. Students will have the opportunity to earn a CPR/First Aid Certification when taking this course. To fulfill the advanced requirement, students will be required to perform six volunteer hours each 6-week period in an approved facility. (Elective/CTE Credit)

Practicum in Health Science: Certified Medical Assistant (AMCHS only) (13020500 PRACHLS1)

#6153 12th 2 credits 5.0

Prerequisite(s): Health Science Theory, Anatomy and Physiology/currently taking Anatomy and Physiology and any local requirements

Course Description: This course is designed to provide knowledge and skills for certification as a Certified Clinical Medical Assistant. Students will learn the essentials of patient care to be able to administer medications, assist with minor procedures, obtain laboratory specimens, perform electrocardiograms, and provide patient education. CCMA's perform a variety of tasks to assist physicians in providing patient care, while ensuring that clinics, hospital, or a doctor's office runs smoothly and efficiently. Additional costs may include, but are not limited to, scrubs, immunizations, TB testing and required certification fees. Students may be subjected to mandatory medical facility requirements including, but not limited to, a criminal background check and drug screening. Membership in HOSA (Health Occupations Students of America) is encouraged. (Elective/CTE Credit)

Practicum in Health Science: Pharmacy Tech (AMCHS only) (13020500 PRACHLS1)

#6147 12th 2 credits 5.0

Prerequisite(s): Health Science Theory, Chemistry, and any local requirements

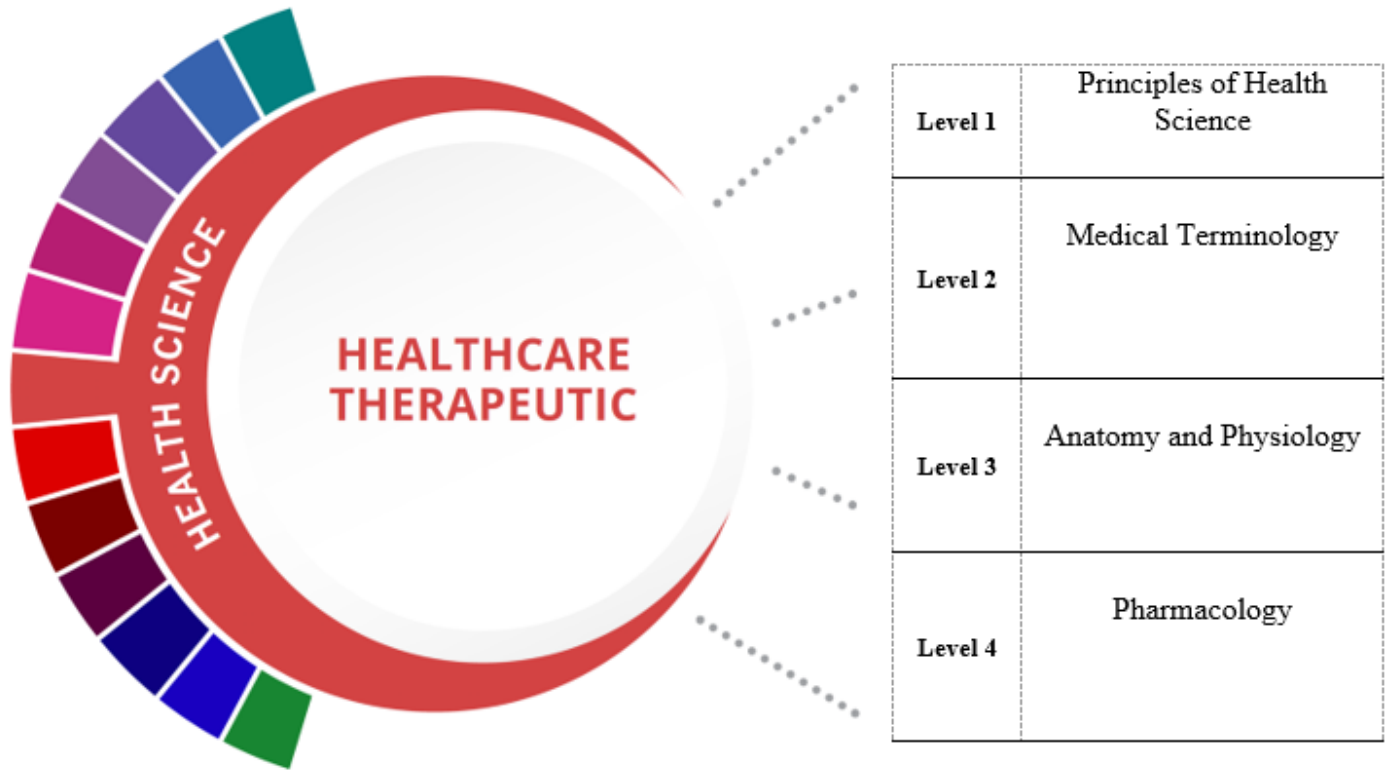
Course Description: This course is designed to provide students with the knowledge and skills necessary to obtain employment in most pharmacy settings, as well as prepare them for national certification through the Pharmacy Technician Certification Board. Students will complete an intense study which includes, but is not limited to pharmaceutical calculations, sterile and nonsterile compounding, and pharmacology. Upon completion students will understand the legal responsibilities of a pharmacy technician. Students will have the opportunity to participate in internships throughout the semester. Additional costs may include, but are not limited to, scrubs, immunizations, TB testing and required certification fees. Students may be subjected to mandatory medical facility requirements including, but not limited to, a criminal background check, fingerprinting, and drug screening. Membership in HOSA (Health Occupations Students of America) is encouraged. (Elective/CTE Credit)

Practicum in Health Science – Emergency Medical Services (AMCHS only) (13020500 PRACHLS1)

#6176 12th 2 credits 5.0

Prerequisite(s): Prin of Health Science, Medical Term, Health Science Theory Adv or with Clinicals, Anatomy and Physiology

Course Description: This course is designed to give students practical application of previously studied knowledge and skills. Competencies taught will include ethics, medical-legal concepts, anatomy and physiology, pathophysiology, and assessment. Students are taught the process of assessing patients with illness/injury, forming a differential diagnosis and initiating a treatment plan in the prehospital environment. Students will have the opportunity to be CPR and EKG certified while taking this course. If possible, students will have opportunities to attend clinicals where students will be performing patient care activities under supervision of medical professionals. Some clinical rotations will require students to transport themselves. To attend clinical rotations, students must adhere to site requirements including, but not limited to, TB testing, required immunizations, criminal background check and drug screening. Additional costs may include, but are not limited to immunizations, TB testing, clinical uniform, and required screenings. (Financial aid available) Membership in HOSA is encouraged. (Elective/CTE Credit)



Health Care Therapeutic Program of Study Course Descriptions

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 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)

6120 9th-11th 1 credit 4.0

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 health care 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)

Medical Terminology

(13020300 MEDTERM)

#6137 10th-12th 1 credit 4.0

Prerequisite(s): Principles of Health Science recommended

Course Description: Designed to 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. (Elective/CTE credit)

Human Anatomy & Physiology

(13020600 ANATPHYS)

3810 11th-12th 1 credit 4.0

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)

Human Anatomy & Physiology Advanced

(13020600 ANATPHYS)

3820 11th-12th 1 credit 5.0

Prerequisite(s): Biology Advanced and Chemistry Advanced

Course Description: Comprehensive study of Anatomy and Physiology with emphasis on histology, terminology, and investigative applications. Major mammalian dissection and numerous disorders/diseases reviewed. (Elective/CTE/Science credit)

Pharmacology

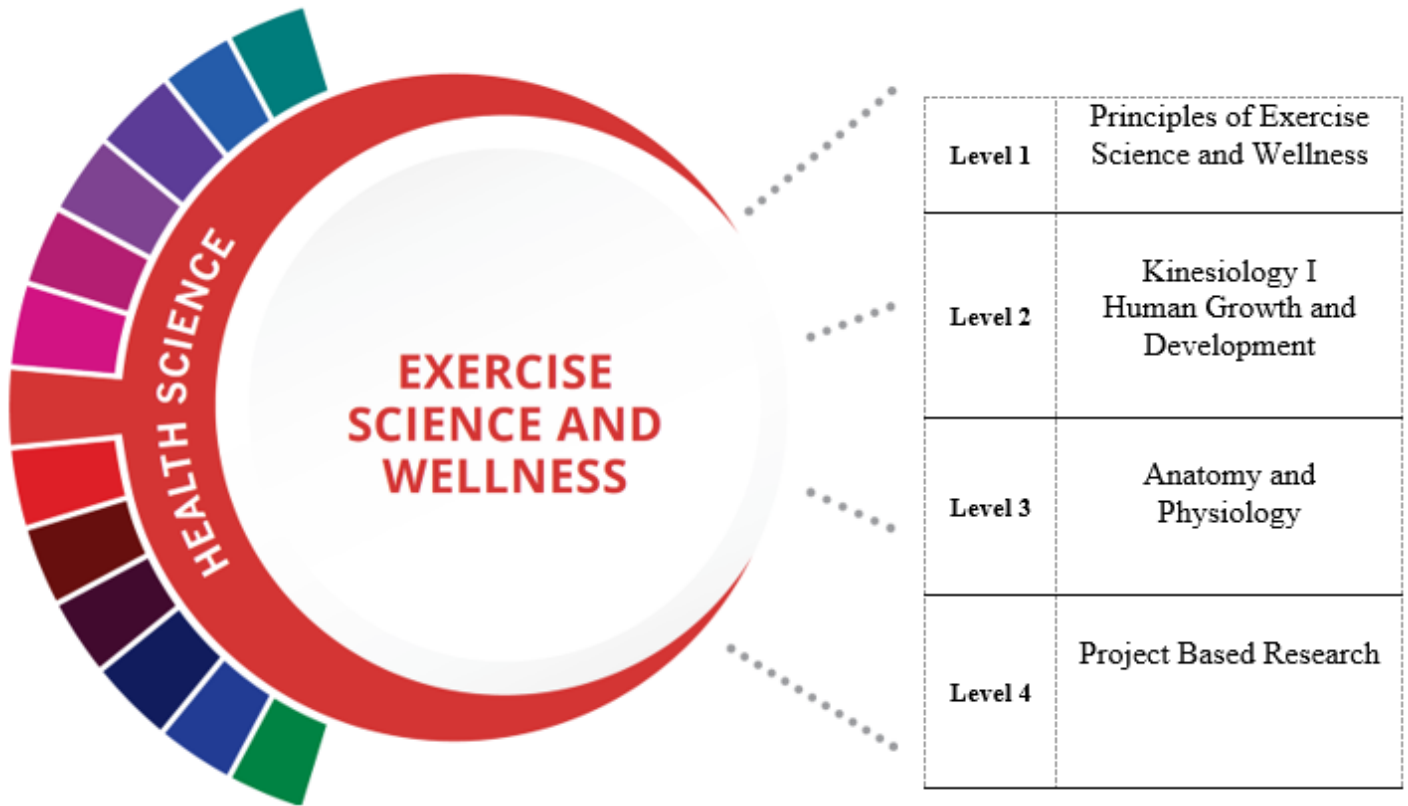
(13020950 PHARMC)

6134 11th – 12th 1 credits 4.0

Prerequisite(s): Biology and Chemistry (Medical Terminology required after 2021-2022)

Course Description: The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers.

(Elective/CTE credit)



Exercise Science and Wellness Program of Study Course Descriptions

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

Principles of Exercise Science and Wellness

(N1302107 / EXSCIWL)

6210 9th – 12th 1 credit 4.0

Prerequisite(s): none

Course Description: The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. (Elective/CTE credit)

Kinesiology I

(N1302104 / KINES1)

6214 9th – 12th 1 credit 4.0

Prerequisite(s): none

Course Description: This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students will also explore careers within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs. (Elective/CTE credit)

Human Anatomy & Physiology

(13020600 ANATPHYS)

3810 11th-12th 1 credit 4.0

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)

Anatomy & Physiology Advanced

(13020600 ANATPHYS)

3820 11th-12th 1 credit 5.0

Prerequisite(s): Biology Advanced and Chemistry Advanced

Course Description: Comprehensive study of Anatomy and Physiology with emphasis on histology, terminology, and investigative applications. Major mammalian dissection and numerous disorders/diseases reviewed. (Elective/CTE credit / Science Credit)

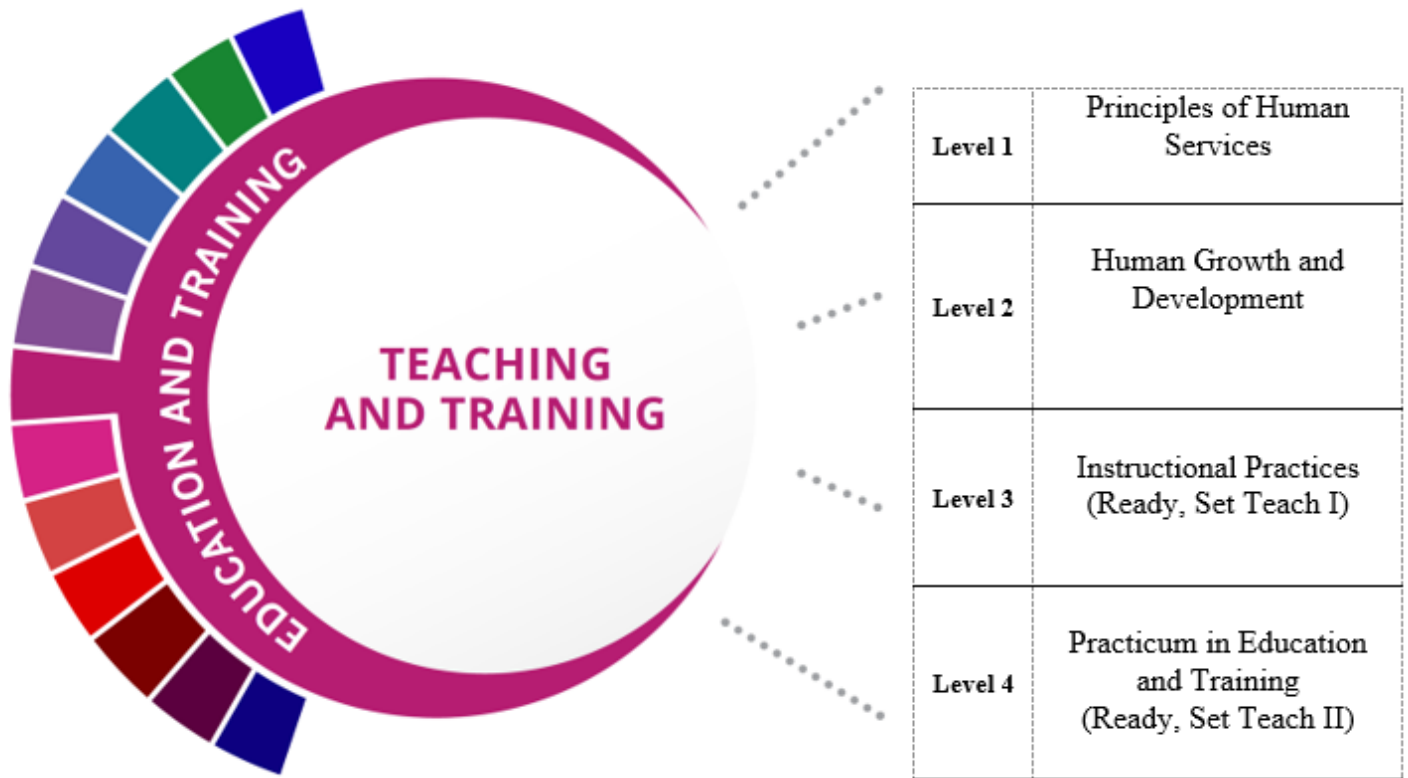
Project Based Research – Health Science

(12701500 PROBS1)

6191 / 6192 11th – 12th 1 credit 5.0

Prerequisite(s): Student must gain instructor, counselor, and mentor approval for projects.

Course Description: Students will develop a comprehensive project and work with an instructor and a mentor from the business/industry/post-secondary community, who will help guide them and assess their progress. At the completion of the project, the student will make a presentation to a panel of experts in the field being addressed. Students must go through the instructor and cannot request this course on their course request form. This course will be placed in the student's schedule (pending approval) in early August after schedules have been created. Advanced credit may be considered depending on project. Students are responsible for any fees associated with their course. (Elective/CTE Credit)



Education and Training Program of Study Course Descriptions

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 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)

6200 9th-10th 1 credit 4.0

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)

6263 10th – 12th 1 credit 4.0

Prerequisite(s): none

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. Will cover effective caregiving knowledge and skills, pregnancy, growth and development, risk and protective factors and health and safety needs of young children. Students will experience parenting a reality baby or parenting research project, develop lessons and mentor preschool or Headstart children in the Tier/Courage Buddies program. (Elective/CTE credit)

Education and Training

Instructional Practices (Ready, Set Teach I)

(13014400 INPRAC)

6270 11th-12th 2 credits 5.0

Prerequisite(s): Human Growth and Development recommended and any local requirements

Course Description: In this two-period blocked course, students will experience field-based internships 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. Various projects will require supplies. (Elective/CTE Credit)

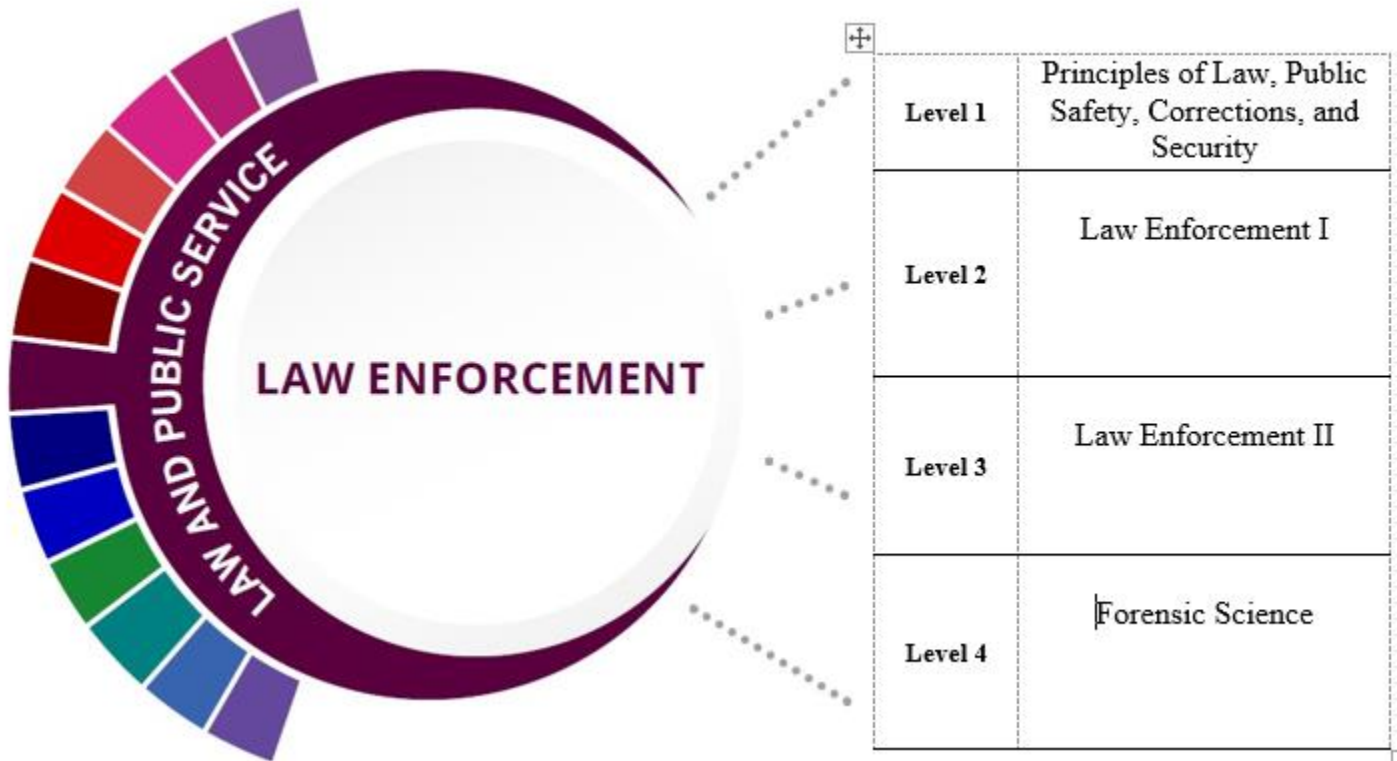
Practicum in Education and Training (Ready, Set Teach II)

(13014500 PRACEDT2)

6274 12th 2 credit 5.0

Prerequisite(s): Instructional Practices and any local requirements

Course Description: During this two-period blocked course, field-based internship students will experience and learn the 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 education, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary, intermediate or middle school. Students will complete an independent study of an educational research topic that applies to their internship. This course requires a research paper with formal presentation as a part of the internship experience. Various projects will require supplies. (Elective/CTE Credit)



Law and Public Service Program of Study Course Descriptions

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 the courses in a Program of Study if a limited enrollment situation arises for the advanced courses in this Program of Study.

Principles of Law, Public Safety, Corrections and Security

(13029200 PRINLPCS)
 # 6700 9th-12th 1 credit 4.0

Prerequisite(s): None

Course Description This course is designed for students who have an interest in the Criminal Justice field. This course introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections. Students will also understand the historical and philosophical development of criminal law as well as analyzing the essential elements/classifications of crime. (Elective/CTE Credit)

Law Enforcement I

(13029300 LAWENF1)
 # 6710 9th-11th 1 credit 4.0

Prerequisite(s): Principles of Law, Public Safety, Corrections and Security

Course Description: Students will study an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime. (Elective/CTE Credit)

Law and Public Service

Law Enforcement II

(13029400 LAWENF2)

6720 10th-12th 1 credit 5.0

Prerequisite(s): Law Enforcement I

Course Description: Principles of Law, Public Safety, Corrections and Security and Law Enforcement I provide the knowledge and skills necessary to prepare for a career in law enforcement. This course includes ethical and legal responsibilities, the operation of police and emergency telecommunication equipment, and courtroom testimony. The course will also cover the equivalent of the 40-hour Emergency Telecommunicator. This course is designed to introduce students to the exciting and challenging field of Emergency Telecommunications. (Elective/CTE Credit)

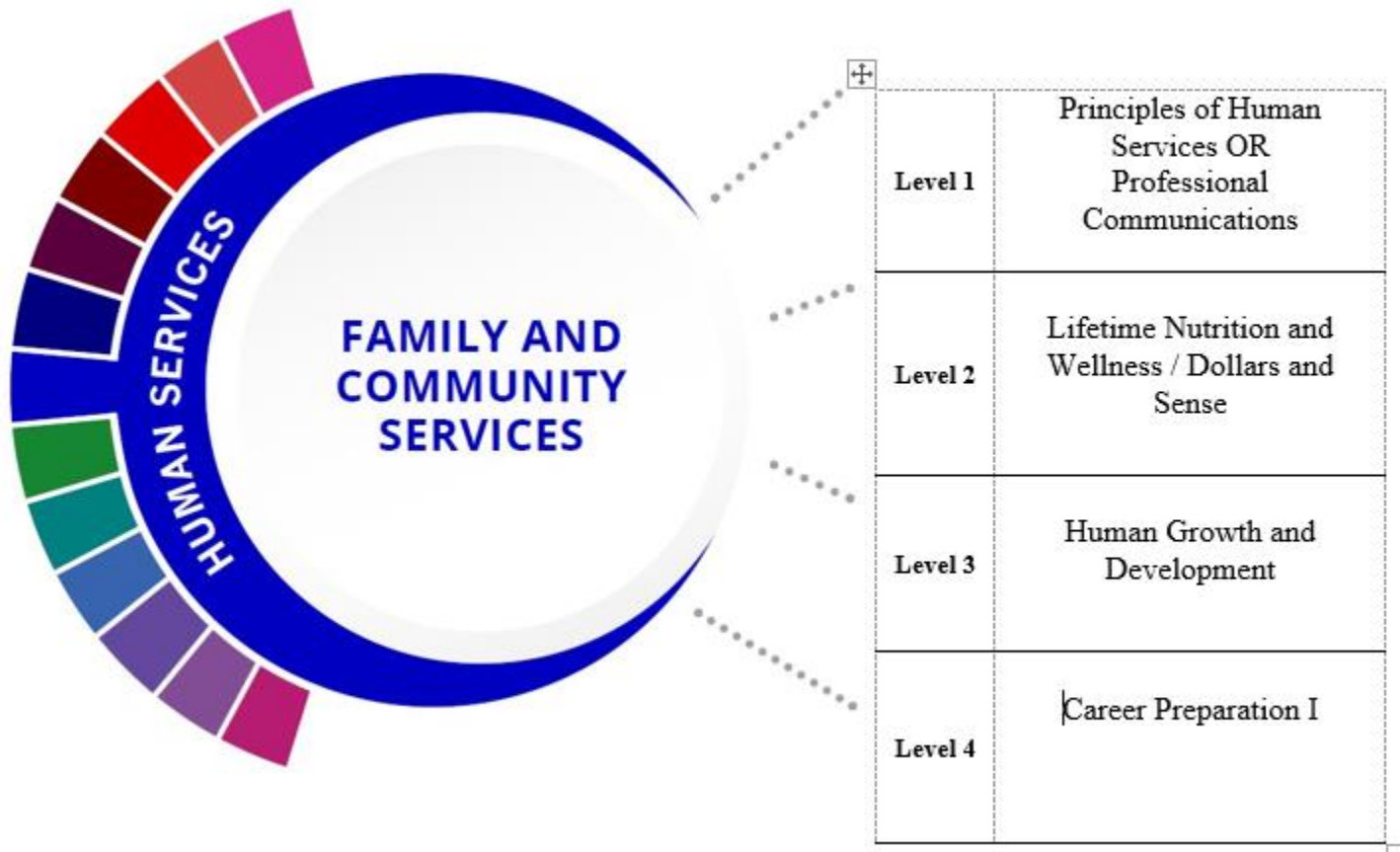
Forensic Science

(13029500 FORENSCI)

6173 11th-12th 1 credit 5.0

Prerequisite(s): Biology and Chemistry required; any Law, Public Safety, Corrections and Security course recommended

Course Description: Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. (Elective / CTE / Science Credit)



Family and Community Sciences Program of Study Course Descriptions

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 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)

6200 9th-10th 1 credit 4.0

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)

6263 10th – 12th 1 credit 5.0

Prerequisite(s): none

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. Will cover effective caregiving knowledge and skills, pregnancy, growth and development, risk and protective factors and health and safety needs of young children. Students will experience parenting a reality baby or parenting research project, develop lessons and mentor preschool or Headstart children in the Tier/Courage Buddies program. (Elective/CTE credit)

Human Services

Dollars and Sense

(13024300 DOLLARSE)

6223 11th-12th .5 credit 4.0

Prerequisite(s): None

Course Description: Students will use interactive lessons to seek personal needs and wants that will help maintain independent living. Students will learn about money management, personal banking, budgeting, establishing, and maintaining credit, independent housing options, investigate post-secondary education choices, and much more. (Elective/CTE Credit)

Lifetime Nutrition and Wellness

(13024500 LNURTWEL)

6213 10th-12th .5 credit 4.0

Prerequisite(s): None

Course Description: Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of cooking and nutrition to help them make informed choices that promote wellness. This class will demonstrate levels of skill through cooking lab experiences and classroom learning. (Elective/CTE Credit)

Career Preparation I

(12701305 CAREERP1)

6800 11th-12th 3 credits 4.0

Prerequisite(s): students must have a 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)

Additional Career and Technical Courses

Career Preparation I

(12701305 CAREERP1)

6800 11th-12th 3 credits 4.0

Prerequisite(s): students must have a 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)

#6890 12th 3 credits 4.0

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)

Project Based Research

(12701500 PROBS1)

6591, 6592 11th-12th 1 credit 4.0/5.0

6593, 6594 12th 1 credit 4.0/5.0

Prerequisite(s): Student must gain instructor, counselor, and mentor approval for projects.

Course Description: Students will develop a comprehensive project and work with an instructor and a mentor from the business/industry/post-secondary community, who will help guide them and assess their progress. At the completion of the project, the student will make a presentation to a panel of experts in the field being addressed. Students must go through the instructor and cannot request this course on their course request form. This course will be placed in the student's schedule (pending approval) in early August after schedules have been created. Advanced credit may be considered depending on project. Students are responsible for any fees associated with their course. (Elective/CTE Credit)

Scientific Research and Design

(13037200 SCIRD)

6990 11th -12th 1 credit 4.0

6990H 11th - 12th 1 credit 5.0

Prerequisite(s): Biology, Chemistry, Physics

Course Description: Scientific Research and Design is a broad-based course designed to include the components of the scientific and/or engineering design processes. Students will learn problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. Students and teachers will collaborate to determine the specific topic of study for each individual student which will integrate with career and technical education. Students taking the 4.0 course will complete a series of projects throughout the year that can be related to a single topic or multiple topics within an area of study. Students choosing the 4.0 option will conduct one year-long research study that will be presented at least two competitions such as science and engineering fairs. The 4.0 option will include a time commitment outside of the regular class time. (Elective Credit / Science Credit)

Biotechnology I

(13036400 BIOTECH1)

3830 11th -12th 1 credit 5.0

Prerequisite(s): Biology, Chemistry recommended or co-enrolled

Course Description: An introduction to biotechnology including career exploration, history and applications of DNA/RNA technology, molecular biology, bioethics, laboratory operations, management, equipment, instrumentation, quality control techniques, and laboratory safety practices. Laboratory practice includes using pH meters, mixing buffers, DNA isolation and extraction, performing measurements, preparing solutions, and performing separatory techniques to specifications. *Dual Credit (p.15) (CTE Elective Credit / Science Credit)

Additional Career and Technical Courses

Touch System Data Entry

(13011300 TSDATAE)

6503 9th-12th .5 credit 4.0

Prerequisite(s): None

Course Description: Students will use interactive lessons to improve both speed and accuracy on the keyboard. Students will also learn word processing skills that will help with projects and various skills needed for employment in the world of work. (Elective/CTE Credit)

Fashion Design

(13009300 FASHDSN1)

#6230 10th-12th 1 credit 4.0

Prerequisite(s): Principles of Human Services recommended

Course Description: Fashion design is a yearlong laboratory class that will allow you to develop knowledge of the industry and apply this knowledge while learning and developing apparel design and strong construction skills. Students must provide sewing supplies as well as pattern/material for construction projects. (Elective/CTE Credit)

Fashion Design II

(13009400 ADVFASHD)

6233 11-12 1 credit 5.0

Prerequisite(s): Fashion Design I

Course Description: Fashion Design II will be an extension of skills from Fashion Design I. Students will develop a deeper knowledge of skills on construction desk and the fashion industry. Students are expected to independently conduct projects and display growth on skills learned from the Fashion Design I course. Students will be requested to purchase some supplies for this course throughout the year. (Elective / CTE Credit)

Architectural Design (CSHS only)

(13004600 ARCHDSNI)

6780 10th-12th 1 credit 4.0

Prerequisite(s): Algebra 1 and English 1

Course Description: This course is designed to provide students with the knowledge and skills needed to enter a career in architecture and construction or prepare a foundation towards a secondary degree in architecture, construction science, drafting, interior design, and landscaping. It includes the basics of design, design history, techniques and tools related to the production of drawings, renderings, and model construction for architectural purposes. (Elective/CTE Credit)

Commercial Photography

(13009100 CPHOTO1)

6474 9th-12th 1 credit 4.0

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 skillset. (Elective/CTE Credit)

Sports & Entertainment Marketing

(13034600 SPORTSEM)

6623 9th -12th .5 credit 4.0

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

Course Description: Football games, concerts, Monster Truck events—what does it take to plan for and promote these and other events? What goes into sponsorships, proposals, and contracts? Find the answers to these questions and more in this exciting class and get an idea of what it takes to make it happen! (Elective/CTE Credit)

Sports & Entertainment Marketing II

(N1303422 SPORTEM2)

6624 10th-12th .5 credit 4.0

Prerequisite(s): Sports and Entertainment Marketing recommended

Course Description: Sports and Entertainment Marketing II is an advanced course designed to build upon students' prior knowledge of sports and entertainment marketing. Students will develop a thorough understanding of advanced marketing concepts and theories as they relate to the sports and entertainment industries. Students will investigate the components of branding, sponsorships and endorsements, as well as promotion plans needed for sports and entertainment events. The course also supports career development skills and explores career options. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course. (Elective/CTE Credit)

Entrepreneurship

(13034400 ENTREP)

6600 10th-12th 1 credit 5.0

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

Course Description: Have you ever wondered what it would be like to own your own business? This class will help you understand what it takes to analyze a business opportunity, prepare a business plan, research your idea, and develop a plan to organize and promote the business and its products / services. (Elective/CTE Credit)

Professional Communications

(13009900 PROFCOMM)

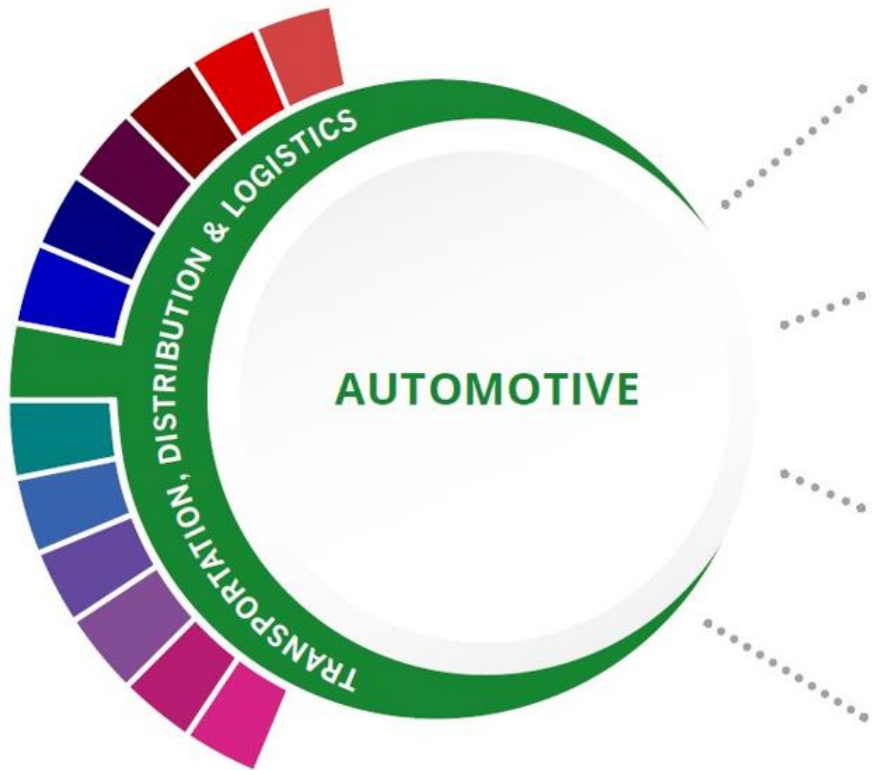
#1815 9th-12th .5 credits 4.0

Prerequisite(s): none

Course Description: Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet re-search. (Elective/CTE Credit)

Bryan Career and Technical Center Programs of Study





Level 1	Any CTE course – student choice
Level 2	Any CTE course – student choice
Level 3	Automotive Technology I (Bryan CTE)
Level 4	Automotive Technology II/Lab (Bryan CTE)

Automotive Program of Study Course Descriptions

Students from CSISD will be able to attend the Bryan CTE campus and participate in Automotive program. Please see your counselor for the application and to discuss making room in your schedule for these courses. Students can take any additional CTE course to complete this program of study.

Automotive Technology I

(13039600)

#6735 11th 2 credits 5.0

Prerequisite(s): any CTE course

Course Description: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. (Elective/CTE credit)

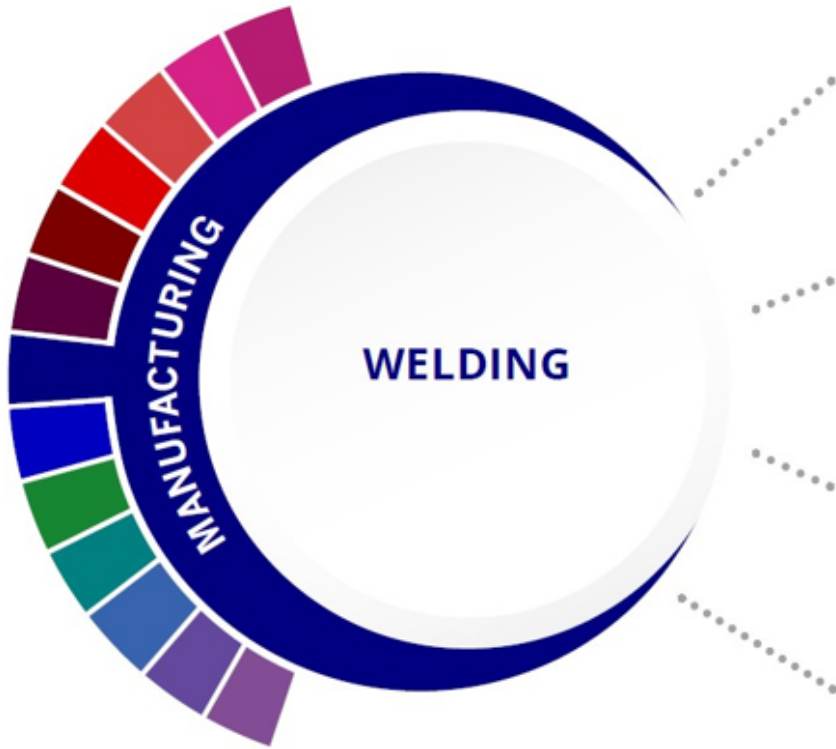
Automotive Technology II

(13039700)

6747 12th 2 credits 5.0

Prerequisite(s): Automotive Technology I

Course Description: Automotive Service includes applicable safety and environmental rules and regulations. In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. (Elective/CTE credit)



Level 1	
Level 2	Ag Mechanics (AMCHS) preferred Any CTE course – student choice (CSHS)
Level 3	Welding 1 (Bryan CTE)
Level 4	Welding II (Bryan CTE)

Welding Program of Study Course Descriptions

Students from CSISD will be able to attend the Bryan CTE campus and participate in Welding program. Please see your counselor for the application and to discuss making room in your schedule for these courses. Students can take any additional CTE course to complete this program of study. Ag Mechanics is recommended for students who attend AMCHS.

Welding I

(13032300)
6973 11th 2 credits 5.0

Prerequisite(s): any CTE course

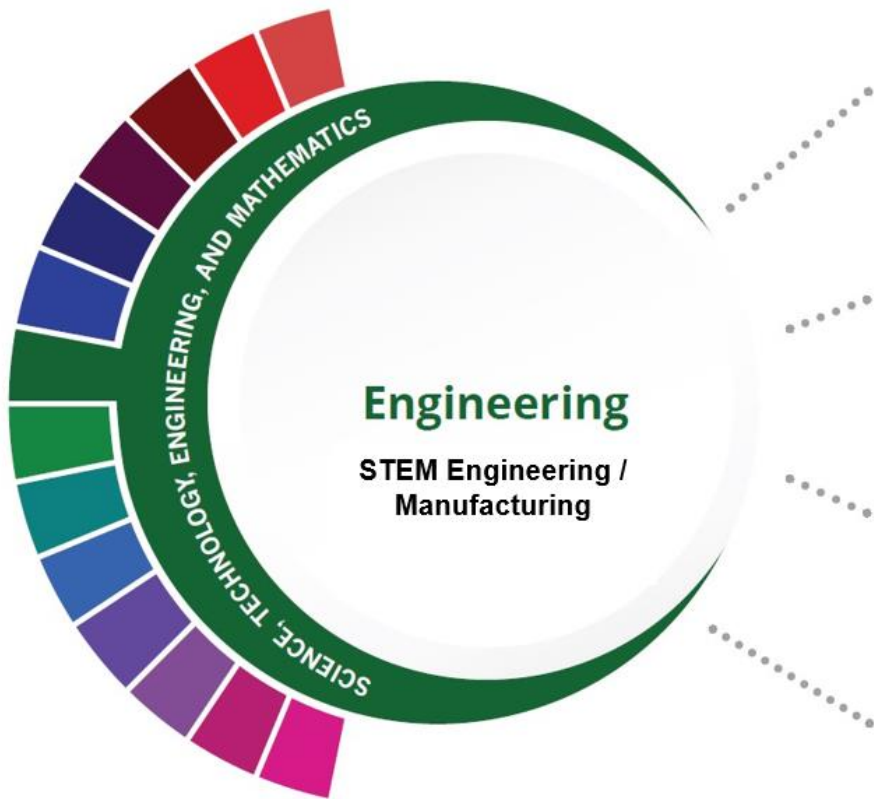
Course Description: Students will develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success. (Elective/CTE credit)

Welding II

(13032400)
6976 12th 2 credits 5.0

Prerequisite(s): Welding I

Course Description: Welding II builds on the knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as related to personal and career development. Students will integrate academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. (Elective/CTE credit)



Level 1	Principles of Applied Engineering (middle school)
Level 2	Robotics I
Level 3	Practicum in STEM I
Level 4	Practicum in STEM II

Practicum in STEM I

(13037400)

6744 11th and 12th 2 credits 5.0

Prerequisite(s): Algebra 1 and Geometry

Course Description: Practicum in STEM I is designed to give students supervised practical application of previously studied knowledge and skills, including experience in designing, creating and/or producing new products, ideas, concepts, or processes using computer-aided, as well as manually operated mills, lathes, drills, cutters, dimensional printers and robotic equipment.

Practicum in STEM II

(13037410)

6795 12th 2 credits 5.0

Prerequisite(s): Practicum in STEM I

Course Description: Practicum in STEM II is designed to continue to give students supervised practical application of previously studied knowledge and skills, including experience in designing, creating, and /or producing new products, ideas, concepts, or processes using computer-aided, as well as manual operated, mills, lathes, drills, cutters, dimensional printers, and robotic equipment.



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Choose Your Future!



THE CAREER & INDUSTRY ACADEMY

The Career & Industry Academy offers an opportunity for students to gain real work experience, industry certifications, and technical college credit. Students choose one of four programs of study:

- Facilities Engineering Technology
 - HVAC, Plumbing, Electrical, Construction (Level 1 and Level 2 Certifications, Associate's Degree)
- Hotel & Resort Management (Level 1 Certification)
- Digital Arts and Multimedia Influencer



COLLEGIATE ACADEMY

CSISD partners with Blinn College to allow CVHS to offer 42 hours of college-credit courses. Through a combination of high school and college dual credit coursework, students have the potential to receive the following:

- Up to 42 hours of college credit, transferable to any Texas public university
- The ability to enter a 4-year university as a second semester sophomore



ACCELERATED ACADEMY

Students in the Accelerated Academy can accelerate their timeline to graduation. Whether they have fallen behind or desire early graduation, students can achieve the following:

- Earn a foundation high school diploma with endorsement (26 credits) through a custom graduation plan
- Participate in Edgenuity computer-based courses and in-person courses



Success starts here!



LEARN MORE AT CVHS.CSISD.ORG

2023-2024 Course Cheat Sheet

Deadline to change courses is June 15, 2023 / ½ = semester, + = two period course, T = AMCHS, C = CSHS

English

1110 English I (9)
1133 English I Adv (9)
1210 English II (10)
1233 English II Adv (10)
1310 English III (11)
1320 English III Adv (11)
1330 English III AP (11)
1410 English IV (12)
1420 English IV Adv (12)
1430 English IV AP (12)
1440 English IV Dual (12)
1480 Creative Writ (9-12)
1820 Debate I (9-12)
1840H Debate II (9-12)
1850H Debate III (9-12)
1930H Debate IV (9-12)
1900 Oral Interp (9-12)
1910 Oral Interp II (9-12)
1920 Oral Interp III (9-12)
1930 Oral Interp IV (9-12)
1503 Journalism ½ (fall) (9-12)
1510 Newspaper I (9-12)
1520 Newspaper II (9-12)
1530 Newspaper III (9-12)
1540 Newspaper IV (9-12)
1610 Yearbook I (10-12)
1620 Yearbook II (10-12)
1630 Yearbook III (10-12)
1640 Yearbook IV (10-12)
1080 ESOL I (9-12)
1090 ESOL II (10-12)
1180 ELDA I (9-12)
1183 ELDA II (9-12)
1100 Reading I (9-10)

Math

2210 Algebra I (9)
2230 Algebra I Adv (9)
2410 Geometry (9-11)
2420 Geometry Adv (9-11)
2250 Algebraic Reason (10-12)
2510 Algebra II (9-11)
2500 Algebra II (Seniors)
2520 Algebra II Adv (10-12)
2540 Data Analysis (11-12)
2600 Pre-Cal (11-12)
2610 Pre-Cal Adv (11-12)
2630 AP Statistics (11-12)
2810 AP Calculus AB (11-12)
2820 AP Calculus BC (11-12)
2584 Math in Ag (11-12)
6650 Accounting II (11-12)
6966 Robotics II (11-12)
2080 Strategic Learning for HS Math

Science

3210 Biology (9)
3220 Biology Adv (9)
3320 Biology II AP (11-12)
3110 IPC (9-10)
3410 Chemistry I (10-12)
3420 Chemistry I Adv (10-12)
3430 Chemistry II AP (11-12)
3400 Chem Comm (10-12)
3510 Physics: PT (11-12)
3610 Physics I (11-12)
3650 AP Physics I (11-12)
3644 AP Physics II (11-12)

3630 AP Physics C (11-12)
3720 Env Systems (11-12)
3810 Anat and Phys (11-12)
3820 Anat & Phys Adv (11-12)
6990 Sci Research, Des (11,12)
6990H Sci, Research, Des Adv (11,12)
3830 Biotechnology (11-12)
3850 Astronomy (11-12)
6173 Forensic Science (11-12)
6054 Animal Sci (T) (11-12)
6004 Plant & Soil (C)(11-12)

Social Studies

4120 Geography (9-12)
4130 Geog Adv (9-12)
4140 AP Human Geog (9-12)
4100 World History (9-12)
4110 World Hist Adv (9-12)
4150 AP World Hist (9-12)
4210 US History (11)
4220 US History Adv (11)
4230 US History AP (11)
4234 Am Hist Thru Film (11-12)
4313 Government ½ (12)
4303 Government Adv ½ (12)
4321 AP Government ½ (12)
4323 Gov Dual ½ (12)
4626 PFL Econ (12)
4627 PFL Econ Adv (12)
4353 Economics Dual ½ (12)
4373 AP Macroecon ½ (12)
4530 AP Psychology (12)
4613 Sociology ½ (10-12)
4170 History of Sports (9-12)
4513 Psychology ½ (10-12)
4463 Pers Fin Lit ½ (10-12)
4160 AP European History

Foreign Language

7010 French I (9-12)
7020 French II (9-12)
7030 French II Adv (9-12)
7040 French III Adv (10-12)
7060 French IV AP (11-12)
7110 German I
7120 German II (9-12)
7130 German II Adv (9-12)
7140 German III Adv (10-12)
7150 German IV AP (11-12)
7210 Spanish I
7220 Spanish II (9-12)
7230 Spanish II Adv (9-12)
7250 Spanish III Adv (10-12)
7270 Span IV AP Lang (9-12)
7280 Spanish V AP Lit (9-12)
7240 Span Herit Speak (9-12)
6350 Computer Science I
6353 Computer Science II

Health and PE

5160 Skills Based Lifetime Activities (9-12)
5170 Lifetime Fitness and Wellness Pursuits (9-12)
5060 Lifetime Recreation and Outdoor Pursuits (9-12)
5064 Dance (PE) ½ (9-12)
5065 Dance (PE) ½ (9-12)

Cheer

51251 / 5252 – 9th
5261 / 5262 – 10th
5255 / 5256 – 11th
5265 / 5266 – 12th

Other (not PE Credit)

5270 Sports Med I (9-12)
5290 Sports Med II (10-12)
5293 Sports Med III (11-12)
5012 Health (9-12)

Athletics

Volleyball 9th 5411V/5412V
Volleyball 10th 5401/5402
Volleyball 11th 5391/5392
Volleyball 12th 5395/5396
Football 9th 5511/5512
Football 10th 5521/5522
Football 11th 5531/5532
Football 12th 5535/5536
Girls Cross Country 9th 5441/5442
Girls Cross Country 10th 5371/5372
Girls Cross Country 11th 5381/5382
Girls Cross Country 12th 5385/5386
Boys Cross Country 9th 5451/5452
Boys Cross Country 10th 5471/5472
Boys Cross Country 11th 5481/5482
Boys Cross Country 12th 5485/5486
Girls Track 9th 5461/5462
Girls Track 10th 5461/5432
Girls Track 11th 5361/5362
Girls Track 12th 5365/5366
Boys Track 9th 5601/5602
Boys Track 10th 5631/5632
Boys Track 11th 5561/5562
Boys Track 12th 5565/5566
Girls Golf 9th 5741/5742
Girls Golf 10th 5745/5746
Girls Golf 11th 5751/5752
Girls Golf 12th 5755/5756
Boys Golf 9th 5711/5712
Boys Golf 10th 5715/5716
Boys Golf 11th 5851/5852
Boys Golf 12th 5855/5856
Tennis 9th 5551/5552
Tennis 10th 5651/5652
Tennis 11th 5661/5662
Tennis 12th 5665/5666
Swimming 9th 5761/5762
Swimming 10th 5771/5772
Swimming 11th 5821/5822
Swimming 12th 5825/5826
Girls Basketball 9th 5411B/5412B
Girls Basketball 10th 5421/5422
Girls Basketball 11th 5491/5492
Girls Basketball 12th 5495/5496
Boys Basketball 9th 5611/5612
Boys Basketball 10th 5621/5322
Boys Basketball 11th 5591/5592
Boys Basketball 12th 5595/5596

Girls Soccer 9th 5341/5342
Girls Soccer 10th 5681/5682
Girls Soccer 11th 5841/5842
Girls Soccer 12th 5845/5846
Boys Soccer 9th 5331/5332
Boys Soccer 10th 5681/5682
Boys Soccer 11th 5831/5832
Boys Soccer 12th 5835/5836
Wrestling 9th 5781/5782
Wrestling 10th 5791/5792
Wrestling 11th 5811/5812
Wrestling 12th 5815/5816
Gymnastics 9th 5301/5302
Gymnastics 10th 5311/5312
Gymnastics 11th 5321/5322
Gymnastics 12th 5325/5326
Softball 9th 5411S/5412S
Softball 10th 5721/5722
Softball 11th 5731/5732
Softball 12th 5735/5736
Baseball 9th 5691/5392
Baseball 10th 5701/5702
Baseball 11th 5641/5642
Baseball 12th 5645/5645
Powerlifting 9th 5861/5862
Powerlifting 10th 5865/5866
Powerlifting 11th 5871/5872
Powerlifting 12th 5875/5876
Girls Powerlifting 9th 5861G/5862G
Girls Powerlifting 10th 5865G/5866G
Girls Powerlifting 11th 5871G/5872G
Girls Powerlifting 12th 5875G/5876G

Elective/Other

0110 AVID 9th (9)
0120 AVID 10th (10)
0130 AVID 11th (11)
0140 AVID 12th (12)
1033 Teen Leadership (9-12)
0100P Partner PE I (10-12)
0104P Partner PE II (11-12)
0100A Part Art I (10-12) (C)
0104A Part Art II (11-12) (C)
9310 – 9370 TAMU/Blinn
9867H Coll/Career Prep (9-12) (C)
9211/9212 Office Aide ½ (9-12)
9221/9222 Lib Aide (9-12)
9231/9232 Couns Aid ½ (9-12) (C)
9241/9242 Nurse Aide (9-12) (C)
9301/9302 Study Hall ½ (9-12)
9111/9112 1st No Class (12)
9121/9122 2nd No Class (12)
9161/9162 6th No Class (12) (C)
9171/9172 7th No Class (12)
9181/9182 8th No Class (12) (T)

Art

8010 Art I (9-12)
8024 Art II Sculpture I (10-12)
8034 Art III Sculpt II (11-12)
8020 Art II Painting I (10-12)
8080 Art III Painting II (11-12)
8030 Art II Drawing I (10-12)
8040 Art III Drawing II (11-12)
8054 Art III Adv (11-12)
8050 AP Art History (11-12)

8070 AP Studio Draw (11-12)
8074 AP Studio 2-D (11-12)
8064 AP Studio 3-D (11-12)

Choir

8310 Concert Choir I (9-12)
8320 Concert Choir II (10-12)
8330 Concert Choir III (11-12)
8340 Concert Choir IV (12)
8240 Chorale I (9-12)
8250 Chorale II (10-12)
8260 Chorale III (11-12)
8270 Chorale IV (12)
8350 Voc Ens I (9-12)
8360 Voc Ens II (10-12)
8370 Choir Voc Ens III (11-12)
8380 Choir Voc Ens IV (12)
8210 Men's Chorus I (9-12)
8214 Men's Chorus II (10-12)
8220 Men's Chorus III (11-12)
8224 Men's Chorus IV (12)

Orchestra

8710 Orchestra I (9-12)
8720 Orchestra II (10-12)
8730 Orchestra III (11-12)
8740 Orchestra IV (12)

Other Fine Arts

8800 Music Studies 1 (10-12)
8803 Music Studies 2 (10-12)
8806 Music Studies 3 (10-12)

Dance

5200 Dance I – fine art (9-12)
5204 Dance II (10-12)
5210 Dance III (11-12)
5214 Dance IV (12)
5230 Drill/Adv Dance I (9-10)
5234 Drill/Adv Dance II (10-12)
5240 Drill/Adv Dance III (11-12)
5244 Drill/Adv Dance IV (12)
5217B Dance Well Ath (9-12)
5217G Dance Well Ath (9-12)
8560 Color Guard I (9-10)
8564 Color Guard II (10-12)
8570 Color Guard III (11-12)
8574 Color Guard IV (12)

Theater

8110 Theater Arts I (9-12)
8120 Thea Arts II (10-12)
8130 Thea Arts III (11-12)
8140 Theater Arts IV (12)
8150 Tech Thea I (9-12)
8160 Tech Thea II (10-12)
8170 Tech Theater III (11-12)
8154 Tech Th II: Thea Des (10-12)
8090 Thea Prod I (10-12)
8100 Thea Prod II (11-12)
8180 Thea Prod III (12)
8190 Thea Prod IV (12)
8104 Improv Thea (9-12)
8114 Mus Thea I (9-12) (C)

8124 Mus Thea II (10-12) (C)
8134 Mus Thea III (11-12) (C)
8144 Mus Thea IV (12) (C)

Band

8450 Band I (9-12)
8460 Band II (10-12)
8470 Band III (11-12)
8480 Band IV (12)
8610 Jazz Ens I (9-12)
8620 Jazz Ens II (10-12)
8630 Jazz Ens III (11-12)
8640 Jazz Ens IV (12)
8700 AP Music Theory (11-12)

Architecture and Construction

6764 Prin of Const (9-12)
6750 Build Tech I (C) (10-12) +
6754 Build Tech II(C) (11-12) +

Hospitality and Tourism

6900 Intro to Culin Arts (9-12)
6910 Culinary Arts (10-12) (C)
6920 Adv Culin (11-12) (C) +
6930 Pract Culin (12) (C) +

Cybersecurity

6300 Princ Info Tech (9-11)
6320 Comp Maint (T) (10-12)
6330 Networking (T) (11-12) +
6307 Practicum in Information Technology - Cybersecurity (12) (T)+

Ag, Food and Natural Resources

6000 Intro to Ag (9-11)
6020 Floral Design (10-12)
6024 Adv Floral Des (11-12)
6027 Pract Ag–Floral Design (12) +
6043 Equine Sci ½ (10-12)
6053 Small Anim Mgmt ½ (10-12)
6004 Adv Plant/Soil (11-12) (C)
6030 Wldf Mgmt (C) (10-12)
6037 Pract Ag–Wildlife (12) (C)
6064 Food Tech Safety (10-12) (C)
6060 Food Process (12) (C) +
6067 Pract Ag–Food Process (12) (C) +
6070 Ag Mech (10-12) (T)
6080 Ag Struct/Fab (11-12) (T)+
6084 Pract Ag-Mech (12) (T)+
6050 Vet Med Apps (11-12) (T)+
6087 Pract Ag – Animal Science (11-12) (T) +
6054 Adv Animal Sci (12) (T)

Supplemental Ag Courses

2584 Math in Agriculture
6010 Horticulture Science
6040 Livestock Prod

Arts, Audio and Visual Communication

6310 Princ Arts, A/V (9-11)

6440 Audio/Video Prod (10-12)
6450 Adv Audio/Vid (11-12) +
6460 Pract in Aud/Vid (12) +
6410 Graphic Design I (9-11)
6414 Graph Des II
6424 Pract Graph Arts+
6364 Video Game Des
6373 Video Game Prog
6376 Adv. Video Game Prog

Business, Marketing and Finance

6510 Princ Bus, Mkt, & Fin
6520 Bus Inform Mgmt I
6640 Accounting I-H
6650 Accounting II-H
6597 Pract Business Mgmt

STEM / Engineering

6384 Intro to UAV
6963 Robotics I
6966 Robotics II
6670 Pract Manufacturing
6330 Networking w/lab (T)
6343 Princ of Comp Science
6350 Computer Science I
6353 Computer Science II*
6304 Practicum in Information Technology - STEM (T)+

Human Service, Educ and Training

6200 Principles of Human Services
6213 Foods 101 - ½
6223 Dollars and Sense - ½
6263 Human Growth/ Dev
6270 Inst Practices +
6274 Pract Ed & Train @+

Law, Public Safety, Corrections and Security

6700 Prin Law, Pub Safety
6710 Law Enf I
6720 Law Enf II
6173 Forensic Science

Health Sciences

6120 Prin of Health Sci
6137 Medical Terminology
6134 Pharmacology
6163H Health Sci Theory (T)
6166H Health Sci Th w/Clin(T)+
6153 Pract-CMA (T)+
6147 Pract-Pharm Tech(T)+
6176 Pract-EMS (T)+
6210 Prin of Wellness
6214 Kinesiology I
6191/9192 PBR Health Science

Bryan CTE Program

6735 Automotive I +
6747 Automotive II +
6744 Prac STEM I +
6795 Prac STEM II +

6973 Welding I +
6976 Welding II +

Supplemental CTE Courses

6230 Fashion Design
6233 Fashion Design II
6474 Comm Photog I
6503 Touch Syst Data ½
6600 Entrepreneurship
6623 Sports & Ent Mktg - ½
6624 Sp and Ent Mktg II ½
6780 Arch Design (C)
6800 Career Prep I
6890 Career Prep II
6591/6592 School Store
6380 Biotechnology
1815 Prof Comm ½

Off Campus PE

5071, 5072 - 1A / 1B
5075, 5076 - 2A / 2B
5091, 5092 - 3A / 3B
5095, 5096 - 4A / 4B

CTE Courses only offered at AMCHS

(requires a transfer if not zoned for AMCHS)
6320 Comp Maint (T)+
6330 Networking (T) +
6304 Practicum in Information Technology (T) +
6043 Equine Sci ½ (10-12)
6053 Small Anim Mgmt ½ (10-12)
6070 Ag Mech (10-12) (T)
6080 Ag Struct/Fab (11-12) (T)+
6084 Pract Ag-Mech (12) (T)+
6050 Vet Med Apps (11-12) (T)+
6054 Adv Animal Sci (12) (T)*
6087 Pract Ag – Animal Science (11-12) (T) +
6163H Health Sci Theory (T)
6166H Health Sci Theory w/Clinicals (T) +
6153 Pract-CMA (T)+
6147 Pract-Pharm Tech(T)+
6144 Pract-EMT (T)+

CTE Courses only offered at CSHS

(Requires a transfer if not zoned for CSHS)
6750 Build Tech I (C) (10-12)+
6754 Build Tech II(C) (11-12) +
6910 Culinary Arts (10-12) (C)
6920 Adv Culin (11-12) (C) +
6930 Pract Culin (12) (C) +
6030 Wldf Mgmt (C) (10-12)
6037 Pract Ag–Wildlife (12) (C)
6064 Food Tech Safety (10-12) (C)
6060 Food Process (12)(C)+
6067 Pract Ag–Food Process (12)(C)+

Course Planning Worksheet

Write the course name in each box

Student Name: _____
 Student ID: _____
 Next Year Grade: _____

GRADE 9	GRADE 10	GRADE 11	GRADE 12
➤ Add English 9	➤ Add English 10	➤ Add English 11	➤ Add English 12
➤ Add Mathematics 9	➤ Add Mathematics 10	➤ Add Mathematics 11	➤ Add Mathematics 12
➤ Add Science 9	➤ Add Science 10	➤ Add Science 11	➤ Add Science 12
➤ Add Social Studies 9	➤ Add Social Studies 10	➤ Add Social Studies 11	➤ Add Social Studies 12
➤ Add Elective 9	➤ Add Elective 10	➤ Add Elective 11	➤ Add Elective 12
➤ Add Elective 9	➤ Add Elective 10	➤ Add Elective 11	➤ Add Elective 12
➤ Add Elective 9	➤ Add Elective 10	➤ Add Elective 11	➤ Add Elective 12
➤ Add Alternate	➤ Add Alternate	➤ Add Alternate	➤ Add Alternate
➤ Add Alternate	➤ Add Alternate	➤ Add Alternate	➤ Add Alternate
➤ Add Alternate	➤ Add Alternate	➤ Add Alternate	➤ Add Alternate