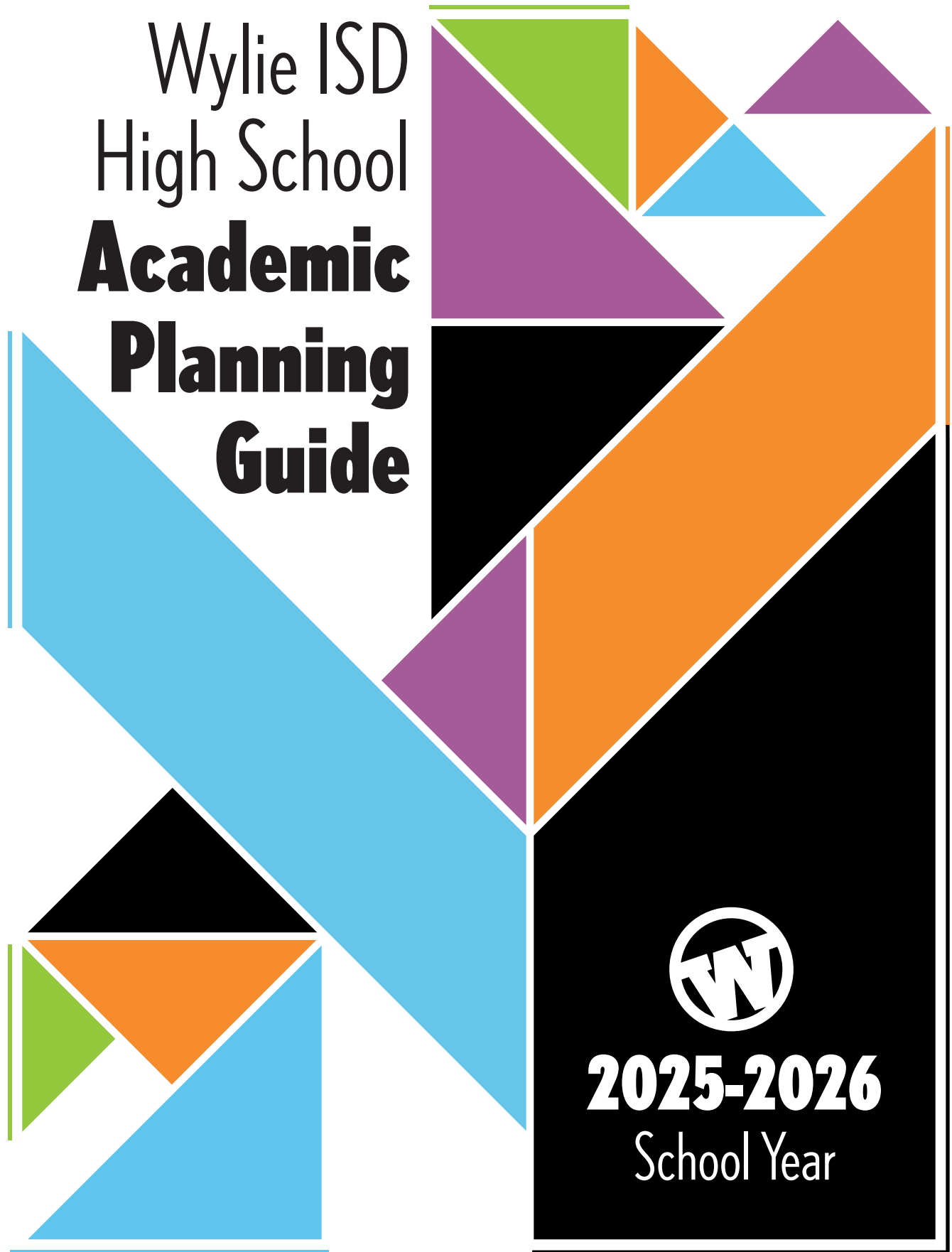


Wylie ISD
High School
**Academic
Planning
Guide**



2025-2026
School Year

Wylie ISD High School Academic Planning Guide



The Wylie ISD High School Academic Planning Guide represents the school administration's continuing efforts to provide pertinent information regarding high school graduation. The guide has been assembled utilizing Texas Education Agency publications as they apply to the local district.

The Wylie ISD Academic Planning Guide lists the courses available to high school students. Not every course will be offered during each academic school year. All courses are dependent on staffing limitations and student interest. Every effort will be made by the high schools to meet as many student requests for courses as possible. The Wylie ISD Academic Planning Guide is updated annually as courses are added and removed. Wylie ISD follows TEA regulations regarding the length of courses and required course sequences. The course guide also offers graduation plans, requirements, and academic program information.

Requirements in this academic planning guide are effective for students graduating from Wylie High School, Wylie East High School and Choice Academic High School. In the future, changes may be made to this guide in order to comply with new state legislation, Wylie ISD policies, and Wylie ISD procedures.

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Academic Guidelines



Awarding Credit

Students will receive 0.5 credit at the end of each semester for each course in which the student has a passing grade (70 or above). For full year courses, students can receive full credit for a course in which they had a failing semester if the two semester course grades average together as a 70 or greater. Students may attend summer school immediately following the academic year and re-take a semester of a full year course to average pass the course.

Correspondence Courses

With approval of the school counselor or administrator, correspondence course credits may be earned from either Texas Tech University or The University of Texas. Correspondence courses are not recommended for core course completion and are generally only an option in extenuating circumstances.

- **Students must have prior administrative approval before enrolling in a correspondence course.**
- Students will not be allowed to take a course with a state EOC exam by correspondence.
- A grade of 70 or higher on an approved correspondence course will earn high school credit

and be awarded grade points if it is one of the courses used to calculate GPA.

- No correspondence course will be awarded weighted grade points. Students will pay the cost of all correspondence courses.

Distinguished Level of Achievement

Students may earn a distinguished level of achievement by successfully completing the curriculum requirements for the Foundation High School Program and the curriculum requirements for at least one endorsement required by the Texas Education Code (TEC), §28.025(b-15), including four credits in science and four credits in mathematics to include Algebra II.

*Distinguished level of achievement is necessary to be eligible for the top 10% automatic college admission outlined in TEC §51.803.

Foreign Transcripts

Foreign Transcripts will be evaluated by Wylie ISD staff for high school equivalency. Parents/guardians requesting an outside evaluation may submit their foreign transcript at www.scholaro.com.

High School Courses Taken at the Junior High Level

Students may take selected, pre-approved courses at the junior high level to receive high school credit. Any high school course credit that is earned prior to 9th grade will appear on the high school transcript. Any course that is used in the calculation of Ranking GPA taken in 8th grade and above will receive grade points. Courses used in the calculation of Ranking GPA taken in 7th grade or lower will not receive grade points.

Local Credit Courses

Local credit courses are courses approved by the Wylie ISD Board of Trustees for local credit only. These courses do not count toward state graduation requirements, cannot be used to fulfill the minimum number of credits on any graduation plan, will not be used in course calculation for promotion, and will not receive grade points. If a student enrolls in the same course twice, it will be taken for local credit only on the second time.

Special Programs

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)

Upon enrollment, each student will complete a home language survey as required by state guidelines. If the information on the home language survey indicates that a language other than English is spoken in the home, or most often spoken by the student, an oral language proficiency assessment will be administered. A Language Proficiency Assessment Committee (LPAC) will review the results of the assessment and determine if the student meets criteria for classification as a Limited English Proficient (LEP) student. LEP identified students are offered support services through the campus ESL program.

GIFTED AND TALENTED

High school gifted services embrace a multi-disciplinary

approach to education. The primary vessel for gifted services in high school is the Humanities 1 and 2 English Language Arts classes, which are exclusive to students who have been identified as gifted and talented learners. These courses adopt a broad perspective of literature by interweaving history, psychology, and philosophy to analyze and evaluate the origins of culture and knowledge. In addition, gifted learners may opt to take Advanced/AP courses and Dual-Credit courses, which are designed to prepare students for college-level work in the subject of their choice and may provide students with college credit while still in high school.

SPECIAL EDUCATION

Placement in the Special Education program is based on data gathered by the campus RTI team, results of formal assessments, and the development of an Individual Education Program (IEP) by the Admission, Review, and Dismissal (ARD) committee. The student, parent, and representatives from the school staff make up the ARD committee and develop the IEP together.

Wylie ISD offers a continuum of Special Education services that includes inclusion support, direct instruction in core content, and self-contained placements. Services are provided in the least restrictive environment as determined by the student's Admission, Review and Dismissal (ARD) committee and the student's Individual Education Program (IEP).

Student Classification and Required Course Load

Students will be classified according to the number of credits earned:

- Freshmen: 0 to 5.5 credits earned
- Sophomore: 6.0 to 11.5 credits earned
- Junior: 12.0 to 17.5 credits earned
- Senior: 18.0 or more credits earned

Requirements for course enrollment are:

Freshman and Sophomore

All students must be on campus seven academic periods per day.

Junior

Students qualify for a release period* if they have:

- Attended high school for at least 3 years.
- Completed at least 14 credits by August.
- Completed at least one CCMR criteria, **or** meet one of the criteria below:
 - » enrolled in 3 hours of Dual Credit English or Math.
 - » enrolled in 9 hours of Dual Credit total.
 - » enrolled in an AP course and **will take the AP exam.**
 - » enrolled in a CTE course that will lead to an Industry-Based Certification (IBC) and **will take the IBC test.**
 - » enrolled in Special Education and will graduate on a 55 or 56 graduation plan.
 - » enrolled in Special Education and will graduate with an Endorsement.

**Students must have transportation to leave campus if they are signed up for a release period. Students without transportation will be assigned to a class.*

Senior

Students qualify for a release period* if they have:

- Completed at least 20 credits by August (**one** release period) or completed at least 21 credits by August (**two** release periods).
- Completed at least one CCMR criteria, **or** meet the criteria below:
 - » will be TSI-exempt in both Reading and Math at the time of graduation through a combination of TSI, ACT, SAT, and enrollment in College Prep English and/or College Prep Math.
 - » Already earned an IBC and are enrolled in a Level 4 CTE course in that pathway.
 - » Enrolled in Special Education and will graduate on a 55 or 56 graduation plan.
 - » Enrolled in Special Education and will graduate with an Endorsement.

**Students must have transportation to leave campus if they are signed up for a release period. Students without transportation will be assigned to a class.*

All students must take the required coursework to be considered a full-time student. Off-Campus PE classes do not count towards full-time student status. Students must be in class with an instructor at least 4 hours daily to be considered a full-time student.

Texas Virtual Schools Network

The Texas Virtual School Network (www.txvsn.org) is a cooperative network of school districts, schools, and education service centers that provide online distance learning courses to each other, thereby increasing the educational opportunities and scheduling flexibility for Texas students. Wylie ISD offers students the opportunity to take courses through TxVSN when a student's graduation plan determines the need for a course not offered on campus and or which a substantially similar course is not available.

In order to take classes through TxVSN, a student must have a completed Graduation Plan that has been reviewed and approved by the student's counselor. A student may take up to three (3) courses each regular school year semester (3 in the fall and 3 in the spring) if the courses are taken during the seven (7) period day. TxVSN courses are NOT self-paced.

Students will not be allowed to take a course with a state EOC exam with TxVSN. A grade of 70 or higher on an approved TxVSN course will earn high school credit and be awarded grade points if it is one of the courses used to calculate GPA. No TxVSN course will be awarded weighted grade points. Students electing to take courses for any other reason other than the reason above will be required to pay the registration fee as well as cover the cost of the course. The cost of high school courses ranges from \$250-\$400. TxVSN courses outside of the school day or in the summer are self-funded.

Needs of students with disabilities wishing to take a course through the TxVSN shall be addressed by the student's admission, review, and dismissal committee in a manner consistent with state and federal law, including the Individuals with Disabilities Education Act and Section 504, Rehabilitation Act of 1973. TxVSN courses dropped on or by the allowable drop date receive no grade or credit. Self-funded courses dropped on or by the allowable drop date receive a tuition refund but no application fee is refunded. Self-funded courses dropped after the allowable drop date receive no refund.

Advanced Placement and Dual Credit Courses



Advanced and Advanced Placement Courses

The Advanced Placement Program, administered by The College Board, allows students to participate in college-level courses and possibly earn college credit while still in high school. Students who complete Advanced Placement courses are expected to take the AP exam in May. Based on the results of the AP exam, colleges and universities may grant college credit to students with satisfactory Advanced Placement test scores. Students and parents must check with the particular college or university to ensure that the college accepts Advanced Placement exams for credits. The AP Courses that are offered each year may vary based on student requests and enrollment. AP classes are more challenging and stimulating, therefore they take more time and require more work. AP classes require energetic, involved, and motivated students. Advanced classes and AP classes receive weighted grade points for Ranking GPA.

The Advanced Placement examinations are structured to measure three areas - depth of knowledge, completeness of thought, and synthesis of ideas. Approximately 1200 institutions award credit based on the student's AP examination scores. Exams are graded on a five-point scale with credit usually given for scores of three (3) or higher. According to Texas House Bill 1992, Texas public colleges and universities are required to give credit for AP exam scores of 3 or higher, "unless the institution's chief academic officer determines, based on evidence, that a

higher score on the examination is necessary to indicate a student is sufficiently prepared." The score requirement and number of college credit hours awarded or placement credit awarded varies among universities and colleges across the country. Students are encouraged to reach out to college admissions counselors at specific colleges and universities they are considering for guidance about how college credit would be awarded for AP test scores. Additional information can also be found on the College Board website.

ADVANCED AND AP COURSES DROP PROCEDURES

- Through the first three full weeks a course, students may drop an Advanced or AP class with teacher and parent acknowledgment.
- Students are not able to add or drop an Advanced or AP class after the first three weeks except with approval from the AP Steering Committee. For more information about requesting an appointment with the AP Steering Committee, please contact the counselor.
- Year-long Advanced and AP courses may be dropped during the first full week of semester 2.
- Advanced and AP course drops are dependent on seats available in on-level courses.
- Students may not drop PreCalculus to enter Statistics.
- When changing courses, earned grades from the prior course are transferred into the new course at the time of the schedule change.

- Students dropping from Advanced and AP courses to on-level courses may be asked to go back and learn material that was covered prior to entering the on-level course, and grades from the on-level course may be entered into the gradebook.
- Students who drop an Advanced/Dual Credit course with a failing grade need to be aware they are transferring from a course that is exempt from UIL eligibility into a course that is not exempt from UIL eligibility.
- Students may not drop AP courses to enroll in Dual Credit courses at the semester.
- Students dropping to an on-level course will move from weighted Ranking GPA points to unweighted Ranking GPA points.
- Students can only register for courses currently included in the Wylie ISD/Collin College MOU.
- Students cannot take Dual Credit courses at other colleges or universities for high school credit.
- Dual Credit courses that count for Wylie ISD Ranking GPA will be included in Ranking GPA.
- Dual credit course sections must be taken in the correct sequence.
- Technical Dual Credit courses that may also satisfy a core course credit will not be included in the local weighted GPA.

Articulated and Dual Credit Courses

Wylie ISD offers a variety of academic and technical Dual Credit courses to high school students. A Dual Credit course is a course that enables students to earn college credit for both high school and college credit at the same time. A passing grade is required to gain credit. Passing standards for high school and college grades may differ. By taking college-level coursework, students can get a jump-start on college, saving both time and money. Dual Credit courses are offered through a partnership with Collin College. All courses will transfer to programs of study at Collin College. Students interested in going to other colleges/universities are encouraged to contact those institutions directly for additional information about how these courses will transfer to those institutions.

Wylie ISD allows students to take Dual Credit classes at Collin College outside of the school day with counselor approval provided the following conditions are met:

- Interested students should talk to their counselors for appropriate concurrent enrollment paperwork.
- Students cannot take Dual Credit classes outside of the school day for any courses with EOC tests.
- Students cannot take online Dual Credit classes at Collin College.

DUAL CREDIT DROP PROCEDURES

- Students will refer to Collin College Drop Calendar for all Dual Credit drop requests.
- Courses dropped after the allowable drop date may be transcribed on the Collin College transcript as an F.
- Students will need to see their high school counselor for drop procedures and approval. Once approved, students will be given the Collin College drop form.
- When changing courses, earned grades from the prior course are transferred into the new course at the time of the schedule change.
- Students dropping from Dual Credit courses to on-level courses may be asked to go back and learn material that was covered prior to entering the on-level course, and grades from the on-level course may be entered into the gradebook.
- Students may not drop Dual Credit courses to enroll in AP courses at the semester.
- If the course is one factored into ranking, students dropping to on-level will move from weighted Ranking GPA points to unweighted Ranking GPA points.

HEALTH SCIENCE DUAL CREDIT GRADING SCALES

For Health Science Dual Credit courses, the following grading scale will apply to the Collin College transcript grades:

A	90-100
B	80-89
C	75-79
F	below a 75

Earning College Credit in High School

Wylie ISD provides a wide-range of college-level courses across all disciplines. All of the following courses provide an option to receive college credit through partnerships with College Board and Collin College. Students must meet admission requirements for the college in order to complete the dual credit course. Students interested in going to other colleges/universities are encouraged to contact those institutions directly for additional information about how these courses will transfer to those institutions.

ELA

AP English III
Dual Credit English III
AP English IV
Dual Credit English IV

Science

AP Environmental Science
AP Physics 1
AP Biology
Dual Credit Biology for Majors
Dual Credit Biology for Non-majors
AP Chemistry
AP Physics I
AP Physics II
AP Physics C
AP Environmental Science

Social Studies

AP US Government
Dual Credit US Government
AP Comparative Government
AP Macroeconomics
Dual Credit Macroeconomics
AP Microeconomics
AP Psychology
AP Human Geography
AP World History
AP US History
Dual Credit US History
AP Human Geography

Career & Technology

Dual Credit Accounting II
Dual Credit Medical Terminology
Dual Credit Health Science Theory: CNA
Engineering Design and
Problem Solving (Uteach)

LOTE

AP French IV
Dual Credit Spanish III
Dual Credit Spanish IV
AP Spanish IV
AP Spanish V

Fine Arts

AP Music Theory
AP Studio Art Drawing
AP Studio Art 2D Design
AP Studio Art 3D Design
AP Art History

Math

AP Statistics
AP Calculus AB
AP Calculus BC
Dual Credit Statistics
Dual Credit College Algebra/Statistics
Dual Credit College Algebra/
Business Calculus
Dual Credit Calculus

Electives

AP Research
AP Seminar

Articulated Credit
An articulation agreement is an agreement between Wylie ISD and Collin College. College credit hours only will be awarded once the student enrolls at Collin College and successfully completes 6 additional credit hours.

Dual Credit
A Dual Credit course is a course that counts for both high school and college credit at the same time. A passing grade is required for a student to gain credit.

Advanced Placement (AP)
Advanced Placement (AP) courses are college-level high school courses offered in partnership with College Board. A student earns high school credit by earning a passing grade in the course. A student earns college credit by passing an AP test taken in May.

Cost

● No Cost

● Students pay for tuition and fees
● Free and Reduced Lunch students qualify for a fee waiver

● Students pay for AP test
● Free and reduced lunch students qualify for a reduced test fee

College Registration

● Not required

● Student must register

● Not required

Instructors

● All courses taught by high school teachers who have met with Collin College regarding course requirements.

● The majority of WISD Dual Credit courses are taught by Wylie ISD teachers, who have the required credentials to teach college courses. Occasionally, Collin College professors teach Dual Credit courses at the high school.

● All courses taught by high school teachers who are trained on AP coursework by College Board.

Student Eligibility

● Students might need certain prerequisite courses, but no SAT, ACT or TSI test is required.

● Some academic courses require a SAT, ACT, or TSI test for enrollment.

● Students might need certain prerequisite courses, but no SAT, ACT or TSI test is required

Transfer of Credit

● Collin College accepts credit and grade upon enrollment in Collin College and completion of 6 additional credit hours.

● Dual Credit courses transfer to other colleges and universities, but students should call prospective universities for details.

● A score of 3 or above on an AP test grants college credit at Texas public universities. Students should call prospective universities for details.

Ranking GPA Points

● 5.0 scale

● 6.0 scale

● 6.0 scale

Class Rank and Grade Point Average



Ranking GPA in Wylie ISD

A student's Ranking GPA is based on a 6.0 scale and does not take into account the level of the class. Classes counting in Ranking GPA are outlined below. Not all high school credit courses are included. Ranking GPA starts in 8th grade. Credits earned in 7th grade count towards graduation, but not towards Ranking GPA.

College GPA in Wylie ISD

Any high school credit a student earns, including high school credits earned in junior high, will calculate into a student's unweighted or College GPA. WISD uses a 4.0 scale to calculate unweighted GPA and does not take into account the level of the class.

Why does Wylie ISD calculate two GPAs per student?

Ranking GPA is used to rank students in comparison to other students in their graduating class. College GPA is communicated to colleges and represents the GPA system colleges and universities are most familiar with.

Calculation of Ranking GPA

- If a student takes two linked courses that count towards

GPA (ex. Microeconomics and Macroeconomics, Biology Advanced and AP Biology), only the course taken first will count towards GPA.

- Final class rank will be determined at the end of the third nine-weeks grading period of the senior year. The grade point average shall be rounded to the nearest thousandth.
- In calculating a student's grade point average (GPA) for the purpose of determining class rank and any honor in which class rank is used as a qualifier, courses used in the calculation that are designated as AP, Advanced, gifted/talented, and dual credit shall receive weighted grade points according to the grade point scale listed in the Academic Planning Guide.
- Once a student's grade point average has been determined by the above method, the students will be ranked with the student with the highest GPA ranked number 1, the student with the second highest GPA ranked number 2, and so forth. In case of a tie after the GPA has been rounded to the nearest ten-thousandth point, a tie will be declared for the particular rank where the tie occurred. The only exception will be in the case of determining Valedictorian and Salutatorian, in which case there cannot be a tie.
- Wylie ISD policy EIC (Legal) and EIC (Local) govern Class Ranking and supersede any procedures contained in the Academic Planning Guide.

THE FOLLOWING COURSES ARE THE ONLY COURSES INCLUDED IN RANKING GPA:

ELAR – 4 CREDITS

English I
English II
English III
English IV

MATHEMATICS – 3 CREDITS

Algebra I
Geometry
Algebra II
Math Models (*If a student takes Math Models as a part of their 4-year plan, it will be included in Ranking GPA*)

SCIENCE – 3 CREDITS

Biology
Chemistry
Physics
IPC (*If a student takes IPC as a part of their 4-year plan, it will be included in Ranking GPA*)

SOCIAL STUDIES – 3 CREDITS

World History
US History
Government
Economics

LANGUAGES OTHER THAN ENGLISH (LOTE) - 2 CREDITS

Level I
Level II
The two LOTE credits must be a level I course and a level II course in the same language. In the event that a student earns more than one level I LOTE credit, grade points will only be awarded for the one in which the level II credit is also earned. LOTE substitution courses will not be included in Ranking GPA.

RANKING GPA SCALE

Grade	Tier I: Advanced/AP/Dual	Tier II: Regular	Tier III: Basic
100	6.0	5.0	4.0
99	5.9	4.9	3.9
98	5.8	4.8	3.8
97	5.7	4.7	3.7
96	5.6	4.6	3.6
95	5.5	4.5	3.5
94	5.4	4.4	3.4
93	5.3	4.3	3.3
92	5.2	4.2	3.2
91	5.1	4.1	3.1
90	5.0	4.0	3.0
89	4.9	3.9	2.9
88	4.8	3.8	2.8
87	4.7	3.7	2.7
86	4.6	3.6	2.6
85	4.5	3.5	2.5
84	4.4	3.4	2.4
83	4.3	3.3	2.3
82	4.2	3.2	2.2
81	4.1	3.1	2.1
80	4.0	3.0	2.0
79	3.9	2.9	1.9
78	3.8	2.8	1.8
77	3.7	2.7	1.7
76	3.6	2.6	1.6
75	3.5	2.5	1.5
74	3.4	2.4	1.4
73	3.3	2.3	1.3
72	3.2	2.2	1.2
71	3.1	2.1	1.1
70	3.0	2.0	1.0
<70	No Grade Points	No Grade Points	No Grade Points

SAMPLE GPA CALCULATION

Students earn grade points for the grade they earn in a class on a semester basis. In Advanced/AP/Dual Credit courses, students have the opportunity to earn more grade points compared to on-level versions of those courses. Each numeric grade earned in a class is converted into a grade point based on the Wylie ISD Grade Point Scale. An example of a student's grade point earned for Ranking GPA would be:

	Semester 1		Semester 2	
	Grade	Grade Points	Grade	Grade Points
Algebra I Advanced	92	5.2	90	5.0
Spanish I	84	3.4	88	3.8
English I	91	4.1	91	4.1
Biology Advanced	80	4.0	85	4.5
		SEMESTER TOTAL: 16.7		SEMESTER TOTAL: 17.4

In the example above, the student earned a total of 34.1 grade points when you add all grade points from both semester 1 and semester 2 together. The student's Ranking GPA calculation is below:

34.1 TOTAL GRADE POINTS

DIVIDED BY

8 SEMESTER COURSES

= 4.26 GRADE POINT AVERAGE

BASIC COURSES

For purposes of determining class rank, courses that have been modified by a student's ARD committee as to the

required Texas Essential Knowledge and Skills (TEKS) and reflected in that student's IEP shall be classified and weighted as a Basic Course. Courses for which only methodology has been modified for a student, however, shall be classified according to the regular grade weight system.

TRANSFER GRADES

All transfer grades earned in the courses specified above, taken in grades 8-12, shall be accepted for class ranking; however, additional grade weight shall be awarded to grades transferred for only those comparable courses that were offered in the District at the same time the transferring student earned the advanced credit. Transferred letter grades shall be converted to numerical grades and then to grade points before averages are computed in determining class ranking.

Transfer letter grades shall be converted to numerical grades according to the following scale:

A+ ————— 98

A ————— 95

A- ————— 92

B+ ————— 88

B ————— 85

B- ————— 82

C+ ————— 79

C ————— 77

C- ————— 75

D+ ————— 74

D ————— 72

D- ————— 70

P (Pass) ————— P (excluded from GPA)

F (Fail) ————— F (excluded from GPA)

Credit by Examination



In certain situations, credit by examination may be used to earn credit in an academic course at the secondary level. Prior approval of the campus counselor or administrator is required. Credit by examination shall not be used to gain eligibility for participation in extracurricular activities. The minimum passing standard for a student who has had prior instruction is 70. The minimum passing standard for a student who has not had prior formal instruction is 80. The principal or his/her designee shall review the student's educational records to determine whether the student has had prior instruction in the subject or course.

Exams will be administered four times each year at no cost. A student may not attempt to earn credit by examination for a specific high school course more than two times. Students must register with the counselor according to the published calendar. The test shall be administered according to procedures and calendar approved by the superintendent or designee. If a student fails to earn credit by exam for a high school course before the beginning of the school year when the student would normally be expected to enroll in that course according to the district's schedule, the student must satisfactorily complete the course in order to earn credit. A grade that meets the

requirements (70 with prior instruction; 80 without prior instruction) on a credit by exam will earn high school credit and be awarded grade points if it is one of the courses used to calculate GPA. No credit by exam grade will be awarded weighted grade points.

The principal or designee or the attendance committee, as applicable, shall have authority to offer a student the opportunity to demonstrate mastery in a subject or to earn course credit by examination when the student has had prior instruction in a subject and when:

- The student is enrolling in the District from a nonaccredited school [see FD];
- The student has failed a subject or course; or
- The student has earned a passing grade in a subject or course but has failed to earn credit or a final grade because of excessive absences [see FEC].

Prior to offering a student an opportunity to demonstrate mastery or earn credit by this method, an appropriate District employee shall review the student's educational records to determine whether the student has had prior instruction in the subject or course.

CREDIT BY EXAM FLOW CHART



Per TEA guidelines, Wylie ISD will pay for all CBE exams.

CREDIT BY EXAM REQUEST FORM

- In certain situations, credit by examination may be used to earn credit in an academic course at the secondary level. Prior approval by the campus counselor or administrator is required. Credit by examination shall not be used to gain eligibility for participation in extracurricular activities. There are no fees for credit by exam requests.
- The minimum passing standard for a student who has had prior formal instruction in the specific course is 70. The minimum passing standard for a student who has not had prior formal instruction is 80. The principal or his/her designee makes the final determination regarding whether or not a student has received prior instruction. A grade that meets the requirements (70 with prior instruction; 80 without prior instruction) on a credit by exam will earn high school credit and be awarded grade points if it is one of the courses used to calculate GPA. **No credit by exam grade will be awarded weighted grade points.**
- **CBEs taken prior to 8th grade will count as high school credit but will not count towards rank/GPA.**
- If a student fails to earn credit by exam for a high school course before the beginning of the school year when the student would normally be expected to enroll in that course according to the district's schedule, the student must satisfactorily complete the course in order to earn credit (TEA Guidelines).
- Exams will be administered four times each year at no cost. A student may not attempt to earn credit by examination for a specific high school course more than two times.
- If a student uses CBE to gain credit for a course in which he or she has had some prior instruction, the student is required to pass the corresponding STAAR EOC assessment to fulfill his or her STAAR graduation requirement. However, if a student uses CBE to gain credit for a course in which he or she has had no prior instruction, the student is not required to take the corresponding STAAR EOC assessment to fulfill his or her STAAR graduation requirement.

Credit without Prior Instruction

Elementary school students (grade 1 through grade 5) may earn credit for a grade level and accelerate to the next grade level if three conditions are met. First, the student must score at least 80% on each of the exams in the grade level that he or she wants to skip in the subject areas of language arts, mathematics, science, and social studies. Second, a district representative must recommend that the student be advanced to the next grade level. Third, the grade advancement must be approved in writing by the student's parent or guardian.

For grades 6 and above, students may receive credit based solely on their score on the CBE exam. A school district must give students who score 80% or higher on the board-approved exam credit for the assessment subject area. Students can also receive credit without prior instruction by scoring a three on an advanced placement (AP) exam or a scaled score of 50 or higher on exams administered through the College-Level Examination Program (CLEP). Tex. Educ. Code §28.023(c), (C-1), (h).

Credit with Prior Instruction

Students in grades 6-12 may earn credit by exam if they received prior instruction in a subject area, but did not receive credit for other reasons, such as a failing grade or excessive absences. To receive credit, these students must score a 70% or higher on a CBE assessment approved by the local school board. 19 Tex. Admin. Code § 74.24(c)(12).

STUDENT NAME _____ GRADE LEVEL _____ CAMPUS _____

COUNSELOR NAME _____ COUNSELOR SIGNATURE _____

TEST(S) REQUESTED _____

PARENT/GUARDIAN NAME _____

PARENT/GUARDIAN SIGNATURE _____

Extra-Curricular Guidelines



The TEA-UIL Side-by-Side manual and Wylie ISD policy FM(LEGAL) and FM(LOCAL), outline rules for extracurricular activities, including eligibility requirements, enrollment requirements, and practice/performance requirements.

In accordance with TEA and UIL regulations, districts may identify advanced courses that are not considered when determining eligibility to participate in an extracurricular activity sponsored or sanctioned by the district or UIL (No Pass, No Play). The following courses are the Wylie ISD advanced courses, which are eligible for the No-Pass, No-Play exemption. Students who make below a 70 in these advanced courses can still participate in extracurricular activities.

COURSES EXEMPT FROM ELIGIBILITY

- All Advanced Placement courses in all disciplines
- All Dual Credit courses in English Language Arts, Languages Other Than English, Mathematics, Science, and Social Studies
- English I Advanced, English I Humanities, English II Advanced, English II Humanities
- Algebra I Advanced (both Junior High and High School courses), Geometry Advanced, Algebra II Advanced, AP PreCalculus, PreCalculus
- Biology Advanced, Chemistry Advanced
- French I Advanced, French II Advanced, French III Advanced, Spanish I Advanced (both Junior High and High School courses), Spanish II Advanced, Spanish III Advanced

Graduation Requirements



High School Graduation Requirements

There is one graduation plan approved by the State of Texas and Wylie Independent School District. The State of Texas Foundation High School Program requires a total of 22 credits. Additionally, upon entering grade 9, each student will select one or more endorsement areas

for an additional 4 credits. In Wylie ISD, every student is expected to earn 26 credits and graduate on the Foundation High School Program with an endorsement.

Note: Admission to a college or university is not based on the graduation but on the requirements for the particular

college or university. College or university admission may also be based on grade point average, class rank, scores on college entrance exams, involvement in school and community activities, and/or other criteria deemed relevant by the university admission policy.

STATE OF TEXAS FOUNDATION HIGH SCHOOL PROGRAM

English	4 credits
Mathematics	3 credits
Science	3 credits
US History	1 credit
World History	1 credit
Government	0.5 credit
Economics	0.5 credit
Languages Other Than English	2 credits
Fine Arts	1 credit
Physical Education	1 credit
Electives	5 credit
Total	22 credits

ENDORSEMENTS

Mathematics	1 credit
Science	1 credit
Electives	2 credits
Total	4 credits

All Wylie ISD students are required to meet one indicator to be considered College, Career, or Military Ready (CCMR) prior to graduation. Students need to meet at least one of the CCMR indicators below:

- **AP test** - score a 3 or higher on any AP test
- **Dual Credit ELAR/Math** - earn 3 hours of Dual Credit in ELA or Math

- **Dual Credit** - earn 9 hours of Dual Credit total
- **Special Education Graduation Plan** - enrolled in special education and will graduate on the Foundation + Endorsement plan
- **Special Education Workforce Readiness** - enrolled in special education and graduate with a 54 or 55 graduation code
- **CTE Industry-Based Certification** - passed a TEA-Approved Certification Exam AND completed three or more courses for four or more credits, including one level three or level four course in the same program of study.
- **Military Readiness** - completed a DD4 form for military recruiter and turned in the form to school counselor.
- **TSI Exempt in Math and Reading** - through College Prep course, TSI score, ACT score, or SAT score.

STAAR Testing Requirements

Students must pass five STAAR EOC assessments to graduate from high school:

- Algebra I
- Biology
- English I
- English II
- U.S. History

Early Graduation

With credit requirements for graduation, it is rarely possible for a student to graduate in three years. In extenuating circumstances, students wishing to graduate early must request permission from the campus administrator and consult with the counselor. Students who graduate early will follow the graduation plan for the year they entered high school but will be ranked with the graduating class. Students in Wylie ISD will not graduate early on the foundation only graduation plan. Students must have met at least one CCMR requirement to graduate early.

Scholarships for Seniors



In partnership with the Wylie ISD Education Foundation, there is a common application for Wylie ISD seniors to apply for a variety of scholarships during February of their senior year. Information about the Wylie ISD Scholarships for Seniors can be found at www.wylieisd.net/Page/13098.

Miss Pearl Birmingham Scholarship Program

The Miss Pearl Birmingham Scholarship Fund was established in 1947 by T. F. Birmingham of Tulsa, Oklahoma, to comply with a request by his sister, Pearl Birmingham, who died in 1946. In her will, Pearl Birmingham left 1,000 shares of common stock in the Standard Oil Company of Ohio to support the scholarship fund.

Each Wylie ISD high school will award an equal number of 2-year scholarships. The annual scholarship awards will be as follows:

3	\$7,500 scholarships at each high school
7	\$5,000 scholarships at each high school

NOTE: If the market value of the Pearl Birmingham Scholarship Fund drops below \$2 million for the months of April, May, and June, the scholarships will all be reduced 20% for the upcoming year. The Wylie ISD Board of Trustees annually reviews the amount of the scholarship fund to determine amounts awarded.

In addition to being a graduate of Wylie High School or Wylie East High School, the following guidelines will be used in determining a student's eligibility to apply for the scholarship:

- The student must be ranked in the top 10% of their class.
- The student must be of good moral character. The status of good moral character will be determined by the Birmingham Scholarship Committee who may consider discipline records, DAEP placement, school attendance, and other relevant academic records for the student's senior year.

- The student must be a graduate of Wylie High School or Wylie East High School.
- The student must have completed four years of high school in a Wylie ISD school.
- The student must take either the ACT or SAT. Scores must be received by March of the senior year.
- A preapproved list of virtual courses/providers will be provided by the Wylie ISD Birmingham Scholarship Committee prior to students enrolling in this type of course. The preapproved list will be published in the High School Academic Planning Guide in the spring prior to student enrollment for the upcoming academic year. The current preapproved list of virtual courses/providers are Texas Virtual School Network, Edgenuity, UT High School, and TTU K-12. In accordance with WISD guidelines, students must have prior administrative approval before enrolling in these courses.
- The number of students eligible to apply for the scholarships will be limited to the top ten academically ranked students from each high school who meet the

guidelines above. The academic ranking which will be used for the Birmingham Scholarship eligibility will be calculated at the end of the third nine weeks prior to the student's graduation.

- In case of a tie in weighted GPAs after calculation to the fourth decimal place, the District shall apply the following methods, in this order, to determine recognition as a Birmingham Scholar:
 - Count the number of Tier I courses taken by each student involved in the tie.
 - Calculate an unweighted numerical grade average for each student involved in the tie using only eligible grades earned in the four semesters immediately preceding graduation.

Selection of scholarship winners will be based on the following:

- The student's academic ranking/GPA (35%)
- The student's SAT or ACT scores (35%)
- Submission of an autobiography by the student (10%)
- A personal interview with school superintendents or their representatives who represent a school district in each of the following counties: Collin, Dallas, and Rockwall. (20%)

Postsecondary Preparation Exams (PSAT/SAT/ASVAB/TSI)



Wylie ISD students take a variety of tests to prepare them for life after high school. These exams are offered during the school day. By performing well on these exams, students increase their chances of getting into the college of their choice or preparing for a career in the United States Armed Forces.

9TH GRADE

PSAT 8/9 (October)

10TH GRADE

PSAT (October)

ASVAB (Armed Services Vocational
Aptitude Battery)

11TH GRADE

PSAT (October)

SAT School Day (March)

ASVAB (Armed Services Vocational
Aptitude Battery)

TSI (Texas Success Initiative) 2.0

12TH GRADE

ASVAB (Armed Services Vocational
Aptitude Battery)

TSI (Texas Success Initiative) 2.0

PSAT 8/9: The Preliminary Scholastic Aptitude Test for 8th and 9th graders (PSAT 8/9) is the first step in preparing for the SAT. It allows students, parents, and teachers to gain an initial look at how well a student is prepared for college.

PSAT: The Preliminary Scholastic Aptitude Test (PSAT) is a full-length practice test for the SAT for 10th and 11th graders. Scores and test items are reflective of those on the SAT. The test also serves as the initial stage for the National Merit Scholarship competition, which awards 11th grade test-takers with exceptionally high scores scholastic recognition and scholarship money.

ASVAB: The Armed Services Vocational Aptitude Battery is an optional, military-sponsored, aptitude test offered to 10th-12th grade students. The ASVAB includes traditional, school-based sections, such as reading, writing, science, and mathematics, while also including technical sections covering electronics and mechanics. The results from the test are used to recommend both civilian and military jobs to students in accordance with their aptitude profile. At the military level, the results from the ASVAB are used as a factor in signing bonuses and recruitment for specialized fields.

SAT School Day: The SAT School Day is an opportunity for all juniors to take the SAT at their home campus during the school day at no charge to the students, preventing cost or travel from being an issue to student success. A student's SAT score can impact their college admissions decision and scholarship opportunities at many colleges and universities.

TSI: The Texas Success Initiative (TSI) is a test meant to measure the mathematics and reading level of incoming college freshmen or dual-credit students. The TSI is offered by both two and four-year colleges for those students that do not already have qualifying SAT or ACT scores.

Transfer Students



Transfer students from non-accredited public, non-accredited private, non-accredited parochial, or home schools have three options to receive high school credits. The student shall enroll in credit by exam, enroll in an approved correspondence course, or take the course at Wylie High School, Wylie East High School or Choice Academic High School.

The current list of TEA-Approved & Accredited private schools is found at www.tepsac.org/app/index.html#/home. Schools outside of the state of Texas who are not accredited by that state's education system will be considered a non-accredited school.

If the student chooses to take credit by exam to earn course credits, officially documented home school or high school courses will be considered as prior instruction. Wylie High School, Wylie East High School, or Choice Academic High School administrative staff will make the final determinations as to prior instruction. In accordance with the credit by exam procedures outlined above, if the student earns a 70 or higher on the credit by exam and has had prior instruction, the student will be awarded the credit. If the student has had no prior instruction, the student must earn an 80 or higher in order to receive the course credit.

Course Offerings



ATHLETICS

The Wylie ISD offers a wide range of University Interscholastic League competitive sports. Most activities will require that a student tryout for selection to the team. Completion of medical history, physical examination, and parent permission forms is required prior to participation. Students must meet state mandated academic and attendance requirements to be eligible for participation in extracurricular activities. The following sports may be offered at Wylie East High School and/or Wylie High School:

- Baseball (boys)
- Basketball (boys and girls)
- Football (boys)
- Golf (boys and girls)
- Softball (girls)
- Soccer (boys and girls)
- Wrestling (boys)
- Track (boys and girls)
- Cross Country (boys and girls)
- Tennis (boys and girls)
- Volleyball (girls)
- Powerlifting (girls)

CAREER AND TECHNICAL EDUCATION (CTE)

AGRICULTURE, FOOD, AND NATURAL RESOURCES

Principles of Agriculture, Food, and Natural Resources

60000D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite..... none
Required Prerequisite(s)..... none

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food,

and natural resources, students must attain academic skills and knowledge in agriculture.

Livestock Production

60010D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s).....Principles of Agriculture, Food, and Natural Resources
Required Prerequisite(s)..... none

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge

and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. This course is the prerequisite to Veterinary Medical Applications.

Wildlife, Fisheries, and Ecology Management

60140D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite..... none
Required Prerequisites..... none

Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current

agricultural practices. To prepare for careers in natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Course will be held at Wylie East High School.

Veterinary Medical Applications

60040D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Equine Science, Small Animal Management, or Livestock Production

Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings.

Advanced Animal Science

60050D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) Veterinary Medical Applications
 Required Prerequisite(s) Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production

This course is designed to prepare students for careers in the field of animal science. Students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines

the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. This course satisfies a high school science graduation requirement.

Agriculture Leadership, Research, and Communications

60090D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) Any other Ag credit in the Animal Science Program of Study
 Required Prerequisite(s) Principles of Agriculture

Agricultural Leadership, Research and Communications will focus on challenging Agriculture, Food, and Natural Resources (AFNR) students to use higher level thinking skills, develop leadership abilities, employ standard research principles, and communicate agricultural positions effectively with all stakeholders.

Floral Design

60170D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. This course satisfies the fine arts graduation requirement.

Advanced Floral Design

60172D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Floral Design I

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

Practicum in Agriculture, Food, and Natural Resources I

60260D/E • Grades 11-12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite none
 Required Prerequisites A minimum of two credits with at least one course in a Level 2 or higher course from the AFNR career cluster

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, and acquire technical skills in a variety of settings.

ARCHITECTURE AND CONSTRUCTION

Principles of Construction

61002D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

Principles of Architecture

61008D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management. Achieving proficiency in decision-making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, education, and career information to set and achieve realistic career and educational goals. Job-specific training can be provided through training modules that identify career goals in trade and industry areas. Classroom studies include topics such as safety, work ethics, communication, information technology applications, systems, health, environment, leadership, teamwork, ethical and legal responsibility, employability, and career development and include skills such as problem solving, critical thinking, and reading technical drawings.

Interior Design I

61010D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) Principles of Architecture or Architectural Design I
Required Prerequisite(s) Algebra I and English I

Interior Design I is a technical course that

addresses psychological, physiological and sociological needs of individuals by enhancing the environments in which they live and work. Students will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, promote sustainability, and compete in industry.

Interior Design II

61020D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) Principles of Architecture or Architectural Design I
Required Prerequisite(s) English II, Geometry, and Interior Design I

Interior Design II is a technical laboratory course that includes the application of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior design to meet industry standards.

Electrical Technology I

61030D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) .. Principles of Construction
Required Prerequisite(s) none

In Electrical Technology I, students will gain knowledge and skills needed to enter the workforce as an electrician or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program.

Electrical Technology II

61040D/E • Grades 11-12 • 2 Credits

Recommended Prerequisite.....Principles of Construction or Principles of Architecture
Required PrerequisitesElectrical Technology I

In Electrical Technology II, students will gain advanced knowledge and skills needed to enter the workforce as an electrician, a building maintenance technician, or a supervisor; prepare for a postsecondary degree in a specified field of construction or construction management; or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of

electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation.

Architectural Design I

61060D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s)Principles of Architecture or Architectural Design I, Geometry
Required Prerequisite(s) Algebra I and English I

In Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I include the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

Architectural Design II

61070D/E • Grades 11-12 • 2 Credits

Recommended Prerequisite(s)Principles of Architecture and Principles of Construction
Required Prerequisite(s) Architectural Design I or Interior Design II and Geometry

In Architectural Design II, students will gain advanced knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design II includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

Practicum in Architectural Design

61080D/E • Grade 12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none
Required Prerequisite(s)Architectural Design II

Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural

design. Safety and career opportunities are included in addition to work ethics and architectural design study.

Construction Technology I

61120D/E • Grades 10-12 • 2 Credits

Recommended Prerequisite(s) none

Required Prerequisite(s) none

In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

Construction Technology II

61130D/E • Grades 11-12 • 2 Credits

Recommended Prerequisite(s) none

Required Prerequisite(s) Construction Technology I

In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills.

Practicum in Construction Technology

61140D/E • Grades 11-12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none

Required Prerequisite(s) Construction Technology II or Electrical Technology II

In Practicum in Construction Technology,

students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I

61180D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite.....Principles of Construction and Construction Technology I

Required PrerequisitesThis course is required to be paired with Sheet Metal

In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I, students will gain knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment.

Sheet Metal

61192D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) This course is required to be paired with HVAC I

The purpose of the Sheet Metal Technology course is to prepare students in grades 10-12 for entry into the HVAC/Mechanical sheet metal installation industry. Students will learn the types of work performed, safety requirements, math skills needed and career path options within the sheet metal trades. Additionally, students will learn and apply the knowledge and skills needed to select the proper material, tools and joining methods for various types of HVAC and exhaust systems. Basic code requirements and Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) design principles will be introduced.

Civil Engineering and Architecture

74070D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Civil Engineering and Architecture (CEA) is a high school level specialization course in the PLTW Engineering Program. In CEA, students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Through both individual and collaborative team activities, projects, and problems, students problem solve as they practice common design and development protocols such as project management and peer review. Students develop skill in engineering calculations, technical representation, documentation of design solutions according to accepted technical standards, and use of current 3D architectural design and modeling software to represent and communicate solutions.

ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS

Principles of Art, Audio/Video Technology, & Communications

62000D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Careers in the Arts, Audio/Video Technology, and Communications Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities

in this cluster and the knowledge, skills, and educational requirements for those opportunities.

Digital and Interactive Media

70040D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

Animation I

62010D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) Principles of Art, Audio/Video Technology, & Communications

Required Prerequisite(s) none

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

Animation II

62020D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Animation I

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students

will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry.

Practicum in Animation

62023D/E • Grades 11-12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none

Required Prerequisite(s) Animation II

The final course in the animation pathway. Students will continue to learn and practice animations principles and look for opportunities to work with other in the industry. Students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Audio/Video Production I

62030D/E • Grades 10-11 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on preproduction, production, and post-production audio and video products.

Audio/Video Production II

62040D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audio/Video Production I

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster,

students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video.

Practicum in Audio/Video Production

62120D/E • Grade 12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none

Required Prerequisite(s) Audio/Video Production II

Careers in audio/video production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production II, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying preproduction, production, and post-production audio and video products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Graphic Design & Illustration I

62050D/E • Grades 9-10 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Graphic Design & Illustration II

62060D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) ... Graphic Design & Illustration I

Careers in graphic design and illustration span all aspects of the advertising and visual

communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills. Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster.

Practicum in Graphic Design & Illustration

62090D/E • Grade 12 • 2 Credits (Double-Blocked Course)
 Recommended Prerequisite(s) none
 Required Prerequisite(s) .. Graphic Design & Illustration II

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Video Game Design

62240D/E • Grades 10-12 • 1 Credit
 Recommended Prerequisite(s)Principles of Art, Audio/Video Technology, & Communications
 Required Prerequisite(s) none

This concentrator-level course is designed for students who want to learn more about computer science through the process of how a video game is conceived, how it is put together, and how it is published. Students will be introduced to the game design process, elements of game play, creating game documentation, and scripting (with C# programming language)

Video Game Programming

62242D/E • Grades 10-12 • 1 Credit
 Recommended Prerequisite(s) Video Game Design
 Required Prerequisite(s) none

Video Game Programming expands on the foundation created in Video Game Design through programming languages such as C# programming, XNA game studio, Java, and Android App. In this course, students will investigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code.

Advanced Video Game Programming

62241 D/E • Grades 11-12 • 1 Credit
 Recommended Prerequisite(s) none
 Required Prerequisite(s) Video Game Programming

Advanced Video Game Programming students will be introduced to mobile application design and programming using Java and Eclipse for Android devices. Time will be spent learning basic Java programming and working with Android Studio to develop real working apps. Using Unity 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 Blender; image manipulation with programs such as GIMP; concepts related to the design process; and the ability to communicate and collaborate on group-based projects.

Commercial Photography

62261D/E • Grades 10-12 • 1 Credit
 Recommended Prerequisite(s)Principles of A/V or Graphic Design
 Required Prerequisite(s) none

In addition to developing knowledge and skills needed for success in the Arts, Audio/Visual Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial

photography industry with a focus on creating quality photographs.

BUSINESS, MARKETING, AND FINANCE

Principles of Business, Marketing, and Finance

63000D/E • Grades 9-10 • 1 Credit
 Recommended Prerequisite(s) none
 Required Prerequisite(s) none

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

Business Law

63050D/E • Grades 10-12 • 1 Credit
 Recommended Prerequisite(s)Principles of Business, Marketing, and Finance
 Required Prerequisite(s) none

Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.

Business Management

63090D/E • Grades 10-12 • 1 Credit
 Recommended Prerequisite(s) none
 Required Prerequisite(s)Principles of Business, Marketing, and Finance

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling.

Students will also demonstrate interpersonal and project-management skills.

Fundamentals of Real Estate

73010D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) Principles of Business, Marketing, and Finance

Required Prerequisite(s) none

This course contains the curriculum necessary to complete the pre-licensure education requirements of the Texas Real Estate Commission (TREC) to obtain a real estate salesperson license. Includes the following TREC course materials: Principles of Real Estate I and II, Law of Contracts, Law of Agency, Real Estate Finance, and Promulgated Contract Forms.

Money Matters

65000D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

In Money Matters, students will investigate money management from a personal financial perspective. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocating, risk management, retirement planning, and estate planning.

Accounting I

65040D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

In Accounting I, students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will

formulate and interpret financial information for use in management decision making.

Accounting II

65050D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Accounting I

In Accounting II, students will continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

Dual Credit Accounting II

65054D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Accounting I, pay own fees and tuition, accepted to Collin College, Meet TSI college-readiness standard for Mathematics; or equivalent

In Dual Credit Accounting II, students will continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources. Dual Credit students will meet requirements for ACCT 2301 – Principles of Financial Accounting (Fall) and ACCT 2302 Principles of Managerial Accounting (Spring).

Securities and Investment

65080D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Students will describe and abide by laws and regulations in order to manage business operations and transactions in the securities industry; access, process, maintain, evaluate, and disseminate information to assist in making decisions common to the securities industry; and monitor, plan, and control day-to-day securities organization activities to ensure continued business functioning. Students will use career planning concepts, tools, and strategies to explore, obtain, and develop a career in the securities industry. Students will determine client needs and wants and respond through planned, personalized communication to influence purchase decisions and enhance future securities sales opportunities.

Social Media Marketing

73050F • Grades 10-12 • 0.5 Credit

Recommended Prerequisite(s) Principles of Business, Marketing, and Finance

Required Prerequisite(s) none

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

Advertising

73000F • Grades 10-12 • 0.5 Credit

Recommended Prerequisite(s) Principles of Business, Marketing, and Finance

Required Prerequisite(s) none

Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media.

The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

Sports & Entertainment Marketing I

73040F • Grades 10-12 • 0.5 Credit

Recommended Prerequisite(s)Principles of Business, Marketing, and Finance

Required Prerequisite(s) none

Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

Sports & Entertainment Marketing II

73042F • Grades 10-12 • 0.5 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s)Sports & Entertainment Marketing I

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.

Practicum of Entrepreneurship

73022D/E • Grades 11-12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite.....Principles of Business, Marketing, and Finance or two courses in CTE Program of Study

Required Prerequisites none

Practicum in Entrepreneurship provides students the opportunity to apply classroom learning and experiences to real-world business problems and opportunities in a free enterprise system while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas.

Marketing

73062D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s)Principles of Business, Marketing, and Finance

Required Prerequisite(s) none

Marketing explores the seven core functions of marketing which include marketing planning – why target market and industry affect businesses; marketing-information management – why market research is important; pricing – how prices maximize profit and affect the perceived value; product/service management – why products live and die; promotion – how to inform customers about products; channel management – how products reach the final user; and selling – how to convince a customer that a product is the best choice. Students will demonstrate knowledge in hands-on projects which may include conducting research, creating a promotional plan, pitching a sales presentation, and introducing an idea for a new product/service.

Career Preparation I

76000D/E • Grades 11-12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Career Preparation I provides opportunities for students to participate in a work-based

learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

Career Preparation II

76000D/E • Grade 12 • 2 Credits

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.

EDUCATION AND TRAINING

Principles of Education & Training

64000D/E • Grades 9-10 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

Child Development

64011D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Child Development is a course that addresses knowledge and skills related to child growth and development from prenatal through school-age children. Students use these

skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

Instructional Practices in Education and Training

64020D/E • Grades 11-12 • 2 Credits (Double-Blocked Course)
 Recommended Prerequisite(s) Principles of Education and Training or Child Development
 Required Prerequisite(s) One credit from Education and Training career cluster

Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision a WISD teacher. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Education and Training

64030D/E • Grade 12 • 2 Credits (Double-Blocked Course)
 Recommended Prerequisite(s) none
 Required Prerequisite(s) Instructional Practices in Education and Training

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

HEALTH SCIENCE

Anatomy and Physiology

24300D/E • Grades 11-12 • 1 Credit
 Recommended Prerequisite(s) none
 Required Prerequisite(s) Biology

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. This course satisfies a high school science graduation requirement.

Principles of Health Science

67000D/E • Grades 9-10 • 1 Credit
 Recommended Prerequisite(s) none
 Required Prerequisite(s) none

This is an introductory course designed to teach concepts and skills related to the health care industry. Course content includes investigation of health careers, medical terminology, basic anatomy and physiology, legal and ethical concerns. Skills taught include first aid, safety, infection control, and employment skills. Students enrolled in this class will receive health education equivalent credit. Basic CPR training will be provided. Participation in local chapter of national organization (HOSA) is encouraged.

Medical Terminology

67010D/E • Grades 10-12 • 1 Credit
 Recommended Prerequisite(s) none
 Required Prerequisite(s) none

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Dual Credit Medical Terminology

67014D/E • Grades 10-12 • 1 Credit
 Recommended Prerequisite(s) none
 Required Prerequisite(s) pay own fees and tuition, accepted to Collin College

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. Students will gain 3 college credit hours in HITT 1305 – Medical Terminology and 3 credit hours in HPRS 2301 – Pathophysiology from Collin College.

Health Science Theory

67020D/E • Grades 11-12 • 1 Credit
 Recommended Prerequisite(s) none
 Required Prerequisite(s) Principles of Health Science

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understanding the implications of their actions. Student learning will emphasize knowledge needed to enter into Practicum of Health Science. Participation in local chapter of national organization (HOSA) is encouraged.

Dual Credit Health Science Theory - CNA

67064D/E • Grades 11-12 • 2 Credits
 Recommended Prerequisite(s) none
 Required Prerequisite(s) Biology, pay own fees and tuition, accepted to Collin College

The Health Science Theory plus the lab course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. This Dual Credit agreement with Collin College will integrate Dual Credit Coursework and hands-

on experience inside the Health Science Experience. In the fall semester students will gain 3 hours in HPRS 2310: Basic Health Professions Skills, 4 credit hours in NURA 1401: Nurse Aide for Health Care. In the spring semester students will gain 3 credit hours in HPRS 1303: End of Life Issues and 1 credit hour NURA 1160: Clinical: Nurse Aide for Health Care.

Practicum in Health Science I - EKG

67035D/E • Grade 12 • 2 Credits

Recommended Prerequisite(s) none
 Required Prerequisite(s) Principles of Health Science & Health Science Theory

The Practicum in Health Science course is designed to give students 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. This course is an advanced course in which students will be allowed to pursue a state certification as a certified EKG technician. Participation in local chapter of national organization (HOSA) is encouraged.

Pharmacology

67045D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite..... none
 Required Prerequisites... One credit in Biology, one credit in Chemistry, and at least one credit in a Level 2 or higher course from the Health Science career cluster

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.

Practicum in Health Science - Emergency Medical Technician

67050D/E • Grades 11-12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite..... none
 Required Prerequisite... Biology & Health Science Theory

The Practicum in Health Science course is

designed to give students 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. This course is an advanced course in which students will be allowed to pursue a state certification as an Emergency Medical Technician - Basic. Participation in local chapter of national organization (HOSA) is encouraged.

Practicum in Health Science - Medical Assistant

67072 D/E • Grade 12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none
 Required Prerequisite(s) Principles of Health Science & Health Science Theory

The Practicum in Health Science course is designed to give students 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. This course is an advanced course in which Medical Assistant students will become better prepared for externships and subsequent employment opportunities.

Practicum in Health Science - Phlebotomy Technician

67082D/E • Grades 11-12 • 2 Credits

Recommended Prerequisite..... none
 Required Prerequisites .Health Science Theory and Biology

This Practicum allows for students to complete one semester of curriculum and one semester of hands-on practice for the purpose of achieving a Certified Phlebotomy Technician Certification by learning and practicing proper blood and specimen collections. They will also learn proper lab procedures and protocols, networking, and communication skills while working directly with patients in a lab setting.

Principles of Exercise Science and Wellness

67110D/E • Grades 9-10 • 1 Credits

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

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. Students who take this course are ideally interested in such careers as physical therapy, athletic training, nutrition, personal training, and recreational therapy.

Kinesiology I

67120D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite. .Principles of Exercise Science
 Recommended Co-Requisite..... Medical Terminology
 Required Prerequisite..... none

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. Students will develop a foundation in Kinesiology I that will prepare them for upper-level courses that will dive deeper into the anatomical and physiological functions of the body and provide opportunities for an industry-certified exam such as a certified personal trainer.

Kinesiology II

67130D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite..... none
 Required Prerequisites..... Kinesiology I

The Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs. The course is designed to allow students to advance their understanding of professional

standards, employability skills, and ethical and legal standards.

HOSPITALITY AND TOURISM: CULINARY ARTS

Principles of Hospitality and Tourism

68000D/E • Grades 9-10 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

The hospitality and tourism industry encompasses lodging, travel and tourism, recreation, amusements, attractions, resorts, restaurants and food and beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership organizations.

Introduction to Culinary Arts

68010D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) Principles of Hospitality and Tourism
Required Prerequisite(s) none

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

Practicum in Culinary Arts I

68050D/E • Grades 11-12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none
Required Prerequisite(s) Introduction to Culinary Arts

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 workplace

Practicum in Culinary Arts II

68051D/E • Grade 12 • 2-3 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none
Required Prerequisite(s) Practicum in Culinary Arts I

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 workplace.

Practicum in Culinary Arts - Baking I

68055D/E • Grades 11-12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none
Required Prerequisite(s) Introduction to Culinary Arts

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 workplace.

Practicum in Culinary Arts - Baking II

68056D/E • Grade 12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none
Required Prerequisite(s) Practicum in Culinary Arts - Baking I

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 workplace.

Lifetime Nutrition and Wellness

69030F • Grades 9-10 • 0.5 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.

INFORMATION TECHNOLOGY: CYBERSECURITY

Principles of Information Technology

70000D/E • Grades 9-10 • 1 Credit

Recommended Prerequisite..... none
Required Prerequisite..... none

In Principles of Information Technology,

students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

Computer Maintenance

70010D/E • Grades 10-11 • 1 Credit

Recommended Prerequisite(s) Principles of Information Technology

Required Prerequisite(s) none

In Computer Maintenance, students will acquire knowledge of computer maintenance and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies.

AP Computer Science Principles

70172D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) Algebra I

Required Prerequisite(s) none

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.

Networking

70020D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) Principles of Information Technology and one other pathway credit (may be concurrent)

Required Prerequisite(s) none

Students develop knowledge of concepts

and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Cybersecurity Capstone

70002D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) • Two other pathway credits

In the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification.

Independent Study in Evolving Technology

70003D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) 2 prior course in Information Technology Pathway

In the Independent Study in Evolving Technology course, through the study of evolving/emerging technologies, including technology-related terms, concepts, and data input strategies, students will communicate information in different formats and to diverse audiences using a variety of technologies.

Practicum in Information Technology

70001D/E • Grade 12 • 2 Credits (Double-Blocked Course)

Recommended Prerequisite(s) none

Required Prerequisite(s) a minimum of two high school information technology (IT) courses

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.

PHOTOJOURNALISM/ JOURNALISM/ NEWSPAPER

Journalism/Photojournalism

63200D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

This is an introductory course designed to explore written forms for a variety of audiences and purposes. Students will learn journalistic traditions, research selected topics, and learn principles of publishing. Journalism is a preparatory course for application to yearbook or newspaper. Students enrolled in Photojournalism communicate in a variety of forms for a variety of audiences and purposes. Students are expected to plan, interpret, and critique visual representation. Students will become analytical consumers of media and technology to enhance their communication skills. High school students will study the laws and ethical considerations that impact photography. Technology, visual, and electronic media are used as tools for learning as students create, clarify, critique, and produce effective visual representations.

Yearbook I

63310D/E • Grades 10-11 • 1 Credit

Recommended Prerequisite(s) . . . Journalism/Photojournalism

Required Prerequisite(s) none

This course is designed to explore all facets of producing a yearbook. Photography, layouts, story writing, proofing, editing, and overall thematic design will be studied. Students must be able to participate during after school hours. This course is specifically designed for the dedicated and responsible students.

Students need to have taken journalism or desktop publishing.

Yearbook II

63320D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) Yearbook I
Required Prerequisite(s) application and instructor approval

This course is designed to explore all facets of producing a yearbook. Photography, layouts, story writing, proofing, editing, and overall thematic design will be studied. Students must be able to participate during after school hours. This course is specifically designed for the dedicated and responsible students. Students need to have taken journalism or desktop publishing.

Yearbook III

63330D/E • Grades 10-12 • 2 Credits

Recommended Prerequisite(s) Yearbook II
Required Prerequisite(s) application and instructor approval

This course is designed to explore all facets of producing a yearbook. Photography, layouts, story writing, proofing, editing, and overall thematic design will be studied. Students must be able to participate during after school hours. This course is specifically designed for the dedicated and responsible students. Students need to have taken journalism or desktop publishing.

Newspaper I

63410D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) ..Journalism/Photojournalism
Required Prerequisite(s) none

This newspaper course is designed to explore all facets of producing a newspaper. Photography, layouts, story writing, proofing, and editing will be studied. Students must be able to participate during after school hours. This course is specifically designed for the dedicated and responsible student.

Newspaper II

63420D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) Newspaper I
Required Prerequisite(s) application and instructor approval

This newspaper course is designed to explore all facets of producing a newspaper. Photography, layouts, story writing, proofing, and editing will be studied. Students must be able to participate during after school hours. This course is specifically designed for the dedicated and responsible student.

Newspaper III

63430D/E • Grades 10-12 • 2 Credits

Recommended Prerequisite(s)Newspaper II
Required Prerequisite(s) application and instructor approval

This newspaper course is designed to explore all facets of producing a newspaper. Photography, layouts, story writing, proofing, and editing will be studied. Students must be able to participate during after school hours. This course is specifically designed for the dedicated and responsible student.

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

Principles of Law, Public Safety, Corrections, & Security

71000D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections.

Law Enforcement I

71010D/E • Grades 10-11 • 1 Credit

Recommended Prerequisite(s) Principles of Law, Public Safety, Corrections, & Security
Required Prerequisite(s) none

This course is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the US legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

Law Enforcement II

71020D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Law Enforcement I

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergence telecommunication equipment, and courtroom testimony.

Forensic Science

71050D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) Law, Public Safety, Corrections, and Security Career Cluster course
Required Prerequisite(s) Biology and Chemistry

Students in Forensic Science use a structured and scientific approach to the investigation of crimes. Students will learn terminology and investigative procedures. Using scientific methods students will collect and analyze evidence through case studies and simulated crime scenes. Students will learn the history, legal aspects, and career options for forensic science. This course satisfies a high school science graduation requirement.

Criminal Investigations

71060D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) Principles of Law, Public Safety, Corrections, & Security
Required Prerequisite(s) none

Criminal Investigations is a course that introduces students to the profession of criminal investigations. Students will

understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

Practicum in Law, Public Safety, Corrections, and Security

71090D/E • Grade 12 • 2 Credits (Double-Blocked Course)
 Recommended Prerequisite(s) none
 Required Prerequisite(s) Law Enforcement II or Criminal Investigations

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

MANUFACTURING: WELDING

Introduction to Welding

72010D/E • Grades 9-12 • 1 Credit
 Recommended Prerequisite(s) none
 Required Prerequisite(s) none

Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction

to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. This course supports integration of academic and technical knowledge and skills. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

Welding I

72011D/E • Grades 10-12 • 2 Credits
 Recommended Prerequisite(s) Introduction to Welding
 Required Prerequisite(s) none

Welding I provides the knowledge, skills, and technologies required for employment in metal technology systems. 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.

Welding II

72020D/E • Grades 11-12 • 2 Credits (Double-Blocked Course)
 Recommended Prerequisite(s) none
 Required Prerequisite(s) Welding I

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.

Practicum in Manufacturing

72080D/E • Grade 12 • 2 Credits (Double-Blocked Course)
 Recommended Prerequisite(s) none
 Required Prerequisite(s) none

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.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS: ENGINEERING

Principles of Applied Engineering

74000D/E • Grades 9-10 • 1 Credit
 Recommended Prerequisite(s) none
 Required Prerequisite(s) none

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

Engineering Design and Problem Solving

74200D/E • Grades 11-12 • 1 Credit
 Recommended Prerequisite(s) Engineering Science
 Required Prerequisite(s) Algebra and Geometry

Students enrolled in this course will demonstrate knowledge and skills of the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of

the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas. This course satisfies a Science graduation requirement.

Engineering Science

74202D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) Geometry, Introduction to Engineering Design PLTW

Required Prerequisite(s) Algebra I and Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics

Engineering Science is an engineering course designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary program of study in any engineering domain. Students will have an opportunity to investigate engineering and high-tech careers. In Engineering Science, students will employ science, technology, engineering, and mathematical concepts in the solution of real-world challenge situations. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

Introduction to Engineering Design PLTW

74209D/E • Grades 10-11 • 1 Credit

Recommended Prerequisite(s) Principles of Applied Engineering

Required Prerequisite(s) none

Engineering Science is an engineering course designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary program of study in any engineering domain. Students will have an opportunity to investigate engineering and high-tech careers. In Engineering Science, students will employ science, technology,

engineering, and mathematical concepts in the solution of real-world challenge situations. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

Introduction to Engineering Design PLTW

74209D/E • Grades 10-11 • 1 Credit

Recommended Prerequisite(s) .. Principles of Applied Engineering

Required Prerequisite(s) none

Students study the engineering design process, applying math, science, and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in collaborative teams to identify, research, test, refine, develop, and communicate design solutions using industry practices, standards, and tools. Utilizing PLTW's activity-project-problem-based teaching and learning strategies students' progress from structured activities to complex projects that require detailed planning, documentation, and communication. The course's rigorous pace requires students to develop an engineering mindset. Students apply industry accepted technical communication skills in visual representation using industry-standard 3D design technology as well as professional and industry specific documentation processes. The development of computational methods in engineering problem solving, including statistical analysis and mathematical modeling are emphasized.

Robotics I

74150D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Principles of Applied Engineering

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.

Robotics II

74160D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Robotics I

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. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

Robotics III/ Practicum in STEM

74168D/E • Grade 12 • 2 Credits

Recommended Prerequisite(s) none

Required Prerequisite(s) Robotics II

In Robotics III, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build upon skills learned in Robotics I and II through scientific inquiry and scientific methods of investigation. Robotics III has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions.

ELECTIVES

Academic Decathlon I

08888D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

The Academic Decathlon is designed to include students from all academic backgrounds. Each nine member team consists of three A students, three B students and three C students. In addition to a seven minute interview, a one hour essay and two speeches (four minutes prepared and two minutes impromptu), written comprehensive exams are given in music, art, language/literature, mathematics, economics, (social) science, and the Super Quiz.

Academic Decathlon II

08889D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Academic Decathlon I

The Academic Decathlon is designed to include students from all academic backgrounds. Each nine member team consists of three A students, three B students and three C students. In addition to a seven minute interview, a one hour essay and two speeches (four minutes prepared and two minutes impromptu), written comprehensive exams are given in music, art, language/literature, mathematics, economics, (social) science, and the Super Quiz.

Academic Decathlon III

08890D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Academic Decathlon II

The Academic Decathlon is designed to include students from all academic backgrounds. Each nine member team consists of three A students, three B students and three C students. In addition to a seven minute interview, a one hour essay and two speeches (four minutes prepared and two minutes impromptu), written comprehensive exams are given in music, art, language/literature, mathematics, economics, (social) science, and the Super Quiz.

Academic Decathlon IV

08892D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Academic Decathlon III

The Academic Decathlon is designed to include students from all academic backgrounds. Each nine member team consists of three A students, three B students and three C students. In addition to a seven minute interview, a one hour essay and two speeches (four minutes prepared and two minutes impromptu), written comprehensive exams are given in music, art, language/literature, mathematics, economics, (social) science, and the Super Quiz.

Reserve Officers' Training Corps (AFJROTC) I

77010D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none
 Military Obligation(s) none

This course is comprised of Aerospace Science, Leadership Education, and Wellness. The Aerospace Science portion of the course is an aviation history course focusing on the development of flight throughout the centuries. Leadership education is an integral part of the instruction. During this first course the student is introduced to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program. The course includes instruction on both the cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions. The Drill and Ceremonies course is integrated in this course as part of Leadership Education. Students enrolled in this class will receive Physical Education equivalent credit.

Reserve Officers' Training Corps (AFJROTC) II-IV

77020-40D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Junior Reserve Officers' Training Corps (ROTC) I (SASI can waive)
 Military Obligation(s) none

This course is comprised of advanced Aerospace Science, Leadership Education, and Wellness. The Aerospace Science portion of the course is an advanced aviation history course focusing on the development of flight throughout the centuries. Leadership education is an integral part of the instruction. During this continued course, the student is introduced to enhanced leadership training of the Air Force Junior Reserve Officer Training Corps (AFJROTC) program. The course includes instruction on both the cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions. The Drill and Ceremonies course is more integrated and taught with more upperclassmen involvement as this is a Cadet led, Cadet ran program as part of Leadership Education. Students enrolled in this class will receive Elective or Physical Education credit.

Sports Medicine I

84100D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

This course 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, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise.

Sports Medicine II

84200D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Sports Medicine I
and Trainer Approval

The Sports Medicine II course is an advanced look at the broad discipline of Sports Medicine. This course will prepare the student for a career as a student athletic trainer at both the high school and collegiate levels. The course will prepare students in the art of mechanical and physical analysis of the prevention, treatment, and rehabilitation of sports related injuries. The student will gain valuable knowledge in the areas of anatomy, physiology, therapeutic modalities, mechanical analysis of body movement, and rehabilitation techniques. Students in this class will meet 1 period for classroom instruction and will act as student trainers in an athletics class. Students must be willing to work after school hours for sports coverage.

Sports Medicine III

84300D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Sports Medicine II
and Trainer Approval

This course will provide a logical progression for students that have advanced through the sports medicine courses and provide them with an opportunity to apply the knowledge and skills they have gained to athletic injury recognition, evaluation, management, treatment, and rehabilitation through research investigations and applications related to sports medicine. The athletic training students will continue to perform the assigned duties and responsibilities in the operation of the athletic training room under the supervision of a licensed athletic trainer. These duties will prepare the students to apply the knowledge and skills acquired in the sports medicine course curriculum. The required duties will be a portion of the grade earned in the course.

Teen Leadership

90000D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Teen Leadership is a program in which

students develop leadership, as well as professional and business skills. They focus on a healthy self-concept, stronger relationships, personal responsibility, and Emotional Intelligence and the skills it measures, which include self-awareness, self-control, self-motivation, and social skills. Also, students will develop skills in the following areas public speaking and communication, understanding of personal image, principle-based decision-making, problem-solving, identifying and counteracting the effects of peer pressure, and goal setting; personally and professionally.

Student Leadership

90030D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Sponsor approval

The purpose of the Student Leadership course provides students in grades 9-12 specific skills to positively impact their lives and their communities. Areas to be addressed include leadership theory, group dynamics, project management, team building, conflict resolution, communication, SMART goal setting, and collaborative strategies.

Peer Assistance and Leadership I

91010D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Application and acceptance

The Peer Assistance/PAL course is a peer helping program in which selected students will be trained to work as peer facilitators with other students on their own campus, and/or from feeder middle and elementary schools. The course will include training in a variety of helping skills that will enable students to assist other students in having a more positive and productive school experience. Positive peer influence will be utilized as a central strategy for addressing such issues as at-risk youth, substance abuse prevention, teen pregnancy, suicide, absenteeism, low achievement, eating disorders, behavior problems, and other areas of concern in the school district.

Peer Assistance and Leadership II

91020D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Peer Assistance and Leadership I

The Peer Assistance/PAL course is a peer helping program in which selected students will be trained to work as peer facilitators with other students on their own campus, and/or from feeder middle and elementary schools. The course will include training in a variety of helping skills that will enable students to assist other students in having a more positive and productive school experience. Positive peer influence will be utilized as a central strategy for addressing such issues as at-risk youth, substance abuse prevention, teen pregnancy, suicide, absenteeism, low achievement, eating disorders, behavior problems, and other areas of concern in the school district.

AP Seminar

95600D/E • Grade 11 • 1 Credit

Recommended Prerequisite(s) prior
Advanced or AP course
Required Prerequisite(s) none

AP Seminar is the first of two courses in the AP Capstone program. AP Research is the second course. Students will investigate real-world topics of your choosing from multiple perspectives, which often are different or competing. Student will learn to collect and analyze information with accuracy and precision, develop arguments based on facts and effectively communicate them. Student will be assessed through a combination of individual and team projects and presentations as well as through a written exam.

AP Research

95701D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) AP Seminar

AP Research is the second of two courses in the AP Capstone program. AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a yearlong research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP

Seminar course by understanding research methodology – employing ethical research practices – and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4,000– 5,000 words (accompanied by a performance or

exhibition of product where applicable) and a presentation with an oral defense.

Access Success: Path to College/Career I

99400D/E • Grade 11 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Application, Instructor Approval

This course provides support to help first generation college bound students prepare

for the challenges they must face as they prepare for post-secondary education. This course advances intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that focus on developing the habits and skills that are expected in college study and the workforce. High school students in this course develop personal/interpersonal and cognitive skills that are essential to productivity in high school, college, and the business world.

ENGLISH LANGUAGE ARTS

English I

01000A/B • Grade 9 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

English I is designed for students exhibiting average reading and language arts skills. Reading, vocabulary, writing, speaking, and listening skills are taught through reviewing grammar principles, writing compositions, and analyzing literature. The literature for this course includes poetry, short stories, novels, plays, and nonfiction.

English I Advanced

01001A/B • Grade 9 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Completion of 8th Grade English, Scoring at Approaches Level on 8th Grade Reading STAAR

English I Advanced is designed for students exhibiting better than average language arts skills in reading, vocabulary, writing, speaking, and listening. The emphasis on literary analysis, analytical writing, and independent study skills will help to prepare the student for taking English II Advanced. This literary analysis includes studies of poetry, short stories, novels, drama, and nonfiction. Summer reading is not required for this course.

English I/Humanities

0100GA/B • Grade 9 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Completion of 8th Grade English, Scoring at Approaches Level on 8th Grade Reading STAAR, identification as gifted/talented

This humanities class is designated for the identified gifted and talented students in the 9th grade. Humanities is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for specific purposes. Students receive English I Advanced credit. Rigorous course of study covering major historical and cultural movements and their relationship to literature and the other fine arts. Summer reading is not required for this course.

English II

02000A/B • Grade 10 • 1 Credit

Recommended Prerequisite(s) Completion of English I

Required Prerequisite(s) none

English II is designed for students exhibiting average reading and language arts skills. Reading, vocabulary, writing, speaking, and reading skills are taught through studying vocabulary, a review of grammar principles, writing compositions, and analyzing literature. The literature for this course includes poetry, short stories, novels, plays, and nonfiction.

English II Advanced

02001A/B • Grade 10 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Completion of English I, Scoring at Approaches Level on English I EOC Exam

English II Advanced is designed for students exhibiting better than average reading and language arts skills. The emphasis on literary and language analysis, vocabulary, and independent study skills will help to prepare the student for taking English III Advanced Placement (AP). This literary analysis includes studies of poetry, short stories, novels, drama, and nonfiction. Summer reading is not required for this course.

English II/Humanities

0201GA/B • Grade 10 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Completion of English I, Scoring at Approaches Level on English I EOC Exam, identification as gifted/talented

This humanities class is designated for the identified gifted and talented students in the 10th grade. Humanities is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for specific purposes. Humanities is a rigorous course of study that covers major historical and cultural movements and their relationship to literature and the other fine arts. Summer reading is not required for this course.

English III

03000A/B • Grade 11 • 1 Credit

Recommended Prerequisite(s) Completion of English II
Required Prerequisite(s) none

English III is designed for students exhibiting average reading and language arts skills. Reading, vocabulary, writing, speaking, and listening skills are taught through studying vocabulary, reviewing grammar principles, writing compositions including analysis of American literature, History/Social Studies, and Science. The American literature for this course includes poetry, short stories, novels, plays, and nonfiction.

AP English III

03001A/B • Grade 11 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Completion of English II, Scoring at Approaches Level on English II EOC Exam

English III Advanced Placement (AP) is designed for students exhibiting above average language arts skills in reading, writing, speaking, and listening. The emphasis on literary and language analysis includes studies of American literature poetry, short stories, novels, drama, and nonfiction. Upon completion of course, the students will be expected to take this College Board Advanced Placement Exam(s) for college credit. Summer reading is not required for this course.

English III Dual Credit

03004A/B • Grade 11 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Completion of English II, pass TSI with English score of 910-944, diagnostic score of 5-6, and essay of 5-8. Pay own fees and tuition, accepted to Collin College, course enrollment: ENGL1301 & ENGL1302

English III Dual Credit is designed for students exhibiting above average reading and language arts skills. ENGL 1301 and 1302 are introductory college writing courses focused on expository and persuasive texts. Students will be required to pay Collin College tuition. Students must be enrolled in this course for the entire year and will not be allowed to enter at the semester. Students will need to register for ENGL1301 and ENGL1302 at Collin College (6 credit hours).

English IV

04000A/B • Grade 12 • 1 Credit

Recommended Prerequisite(s) Completion of English III
Required Prerequisite(s) none

English IV is a survey of British literature beginning from twentieth-century British authors. Selected works from the major authors of each time period will be read and discussed, including poetry, novels, short stories, and dramas. Proofreading, revising, and studying vocabulary and sentence structure are included to aid students in being precise and clear in their writing.

AP English IV

04001A/B • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Completion of English III

English IV Advanced Placement (AP) is designed to give college-level studies to the superior student in English. Students explicate literary selections in class and independently. Timed, critical essays will be written with an emphasis on clear, analytical writing. Course study includes works from American, British, and World Literature. Students must be willing to read critically, not casually, and prepare to initiate class discussions. Upon completion of the course, the student will be expected to take the College Board Advanced Placement Exam. Summer reading is not required for this course.

English IV Dual Credit 1 ENGL1301/ENGL1302

04004A/B • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Completion of English III, Pass TSI with English score of 910-944, diagnostic score of 5-6, and essay of 5-8. Pay own fees and tuition, accepted to Collin College, course enrollment: ENGL1301 & ENGL1302

English IV Dual Credit is designed for the above-average reading and language arts student. Writing for this course includes a literary analysis paper with proper documentation and a research paper. The course requires precise and clear writing including revising and editing, vocabulary, and sentence structure. Students will be required to pay Collin College tuition. Students must be enrolled in this course for the entire year

and will not be allowed to enter the semester. Students will need to register for ENG 1301 - Composition I (3 hours) and ENG 1302 - Composition II (3 hours) at Collin College.

English IV Dual Credit 2 ENGL2327/ENGL2328

04014A/B • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Completion of ENGL1301 & ENGL1302 (first ENGL dual credit course), pay own fees and tuition, accepted to Collin College, course enrollment: ENGL2327 & ENGL2328

English IV Dual Credit is designed for the above average reading and language arts student. Writing for this course includes a literary analysis paper with proper documentation and a research paper. Proofreading, revising, and studying vocabulary and sentence structure are included to aid students in being precise and clear in their writing. Students will be required to pay Collin College tuition. Students must be enrolled in this course for the entire year and will not be allowed to enter at the semester. Students will need to register for ENG 2327 - American Literature I (3 hours) and ENG 2328 - American Literature II (3 hours) at Collin College.

Independent Study in English: Hebrew Scriptures

05040F • Grades 9-12 • 0.5 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

This one semester elective course is a survey of the history and impact on literature and Western civilization of the Hebrew Scriptures (Old Testament). Students will become knowledgeable of biblical content, characters, poetry, and narratives that are the foundations to understanding contemporary society and culture including literature, art, music, mores, oratory and public policy exploring the influence on law, history, government, literature, art, music, customs, morals, values, and culture.

Independent Study in English: New Testament

05050F • Grades 9-12 • 0.5 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

This one semester elective course will be a survey of the history and impact on literature and Western civilization of the New Testament. Students will become knowledgeable of biblical content, characters, poetry, and narratives that are the foundations to understanding contemporary society and culture including literature, art, music, mores, oratory and public policy exploring the influence on law, history, government, literature, art, music, customs, morals, values, and culture.

Debate I

06010D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Debate I will explore the philosophies, principles, and different styles of debate used in high school. Focus will be on logical arguments based on evidence/proof, research, and attitude change. Competition is required.

Debate II

06020D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Debate II is designed to expand on fundamentals of academic debate. The student will explore the philosophies, principles, and different styles of debate used in high school. Focus will be on logical arguments based on evidence/proof, research, and attitude change. Competition is required.

Debate III

06030D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Debate III is designed to expand on fundamentals of academic debate. The student will explore the philosophies, principles, and different styles of debate used in high school. Focus will be on logical arguments based on

evidence/proof, research, and attitude change. Competition is required.

Creative Writing

07300D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Students will demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing.

Research and Technical Writing

07400D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

The study of technical writing allows high school students to earn one credit while developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English.

Practical Writing Skills

07500D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

This course is designed for students who need additional assistance in preparing for the English I End-Of-Course exam. It emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary.

Literary Genres

08000D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Students enrolled in Literary Genres will spend time analyzing the fictional and poetic elements of literary texts and read to appreciate the writer's craft. High school students will discover how well written literary text can serve as models for their own writing. High school students respond to oral, written, and electronic text to connect their knowledge of the world.

College Preparatory Class: ELA

08100D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Designed for students in 12th grade who do not meet college readiness expectations, this course will provide instruction in reading and writing skills that are most necessary for success in a post-secondary English course. Successful completion of this course will exempt students from the TSI.

Reading I

09100D/E • Grades 9-11 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

This course offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect.

Reading II

09200D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Reading II is a continuation of the reading instruction in Reading I. Students will receive instruction in word recognition, vocabulary, comprehension strategies, and fluency at a deeper level and with increasing complexity. This course satisfies the LOTE requirement for students who meet HB5 qualifications.

FINE ARTS

Art I

51010D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

Art I is a study of the structure of Art. The Elements and Principles of Design are utilized in a broad overview of artistic processes. Students are given the opportunity to explore a wide range of artistic media and procedures. Students must take 2 semesters of art to fulfill the Fine Arts state requirement. There is a \$15 Lab fee required for this course.

Art I Advanced

51011D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

Art I Advanced is intended for the student who has a high degree of interest in art, who has taken art at the Jr. High, and who intends to take art classes beyond level one. Since these students have previous experience in art, this class will be less basic than the traditional Art 1, and will allow these students to progress farther in their studies. There is a \$20 Lab fee required for this course.

Art II Drawing

51020D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Art I

Art II Drawing explores a variety of traditional and experimental media including pencil, ink, colored pencils, pastels, charcoal, mixed media, printmaking, and collage. Students are encouraged to create ambitious and original works of art while developing their own personal style. There is a \$20 Lab fee required for this course.

Art II Drawing Advanced

51021D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Art I

This advanced class focuses on drawing and design and is intended for the student who

plans to advance toward submitting a Studio AP Portfolio the following year. This class is geared toward the student with a high interest and skill in art. There is a \$30 Lab fee required for this course.

Art III Drawing

51030D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Art II Drawing

Art III Drawing will be a continuation of the study of traditional and experimental media including pencil, ink, colored pencils, pastels, charcoal, mixed media, printmaking, and collage. Students are encouraged to create ambitious and original works of art while developing their own personal style. There is a \$20 Lab fee required for this course.

Art IV Drawing

51040D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Art III Drawing

Art IV is concerned with a depth of art experiences. Students are encouraged to investigate professional development in the presentation of their work. There is a \$20 Lab fee required for this course.

Art II Painting

51120D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Art I

This class explores painting techniques with watercolor, tempera, acrylic, fabric paint, and other mixed-media painting materials. You will learn about painting styles including realism, expressionism, abstraction, and decorative painting. There is a \$40 Lab fee required for this course.

Art II Sculpture

51520D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Art I

The Sculpture class will be involved with making three-dimensional designs in a variety of media. Students will use the Elements and Principals of Design, while working with clay, paper, metals, wood and plastic to create both representational and conceptual sculptures. There is a \$40 Lab fee required for this course.

Art II Jewelry

51620D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Art I, Teacher Approval

The jewelry course provides students the opportunity to design and construct objects and to develop an understanding of skills and craftsmanship. The history and evolution of jewelry design and construction will be studied as related to different cultures. Students will create jewelry elements using paper, fiber, clay, metal, wire and glass. Jewelry terms will be taught as related to the project. The course will introduce jewelry findings and how to fabricate them. Evaluation of work will be based on craftsmanship, function, and design. Safe working procedures are stressed while students work with saws, files, polishing machines, wire cutters, soldering guns, burn out kilns, and torches. There is a \$40 Lab fee required for this course.

Art III Jewelry

51630D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Art II Jewelry

The jewelry course provides students the opportunity to design and construct objects and to develop an understanding of skills and craftsmanship. The history and evolution of jewelry design and construction will be studied as related to different cultures. Students will create jewelry elements using paper, fiber, clay, metal, wire and glass. Jewelry terms will be taught as related to the project. The

course will introduce jewelry findings and how to fabricate them. Evaluation of work will be based on craftsmanship, function, and design. Safe working procedures are stressed while students work with saws, files, polishing machines, wire cutters, soldering guns, burn out kilns, and torches. There is a \$40 Lab fee required for this course.

Art II Photography

51720D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Art I

Art II will be a study of design elements and principles through the media of photography. Students will work with traditional black and white photographic techniques, as well as up-to-the-minute computer digital image manipulation. Students will use a variety of types of cameras, from constructed cameras to digital and 35mm cameras. There is a \$25 Lab fee required for this course.

Art III Photography

51730D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Art II Photography

Art III Photography will be a continuation of the study of design elements and principles through the media of photography. Students will work with black and white photographic techniques, as well as digital photography and image manipulation. Students will use a variety of types of camera, from constructed cameras to digital and 35mm cameras. There is a \$25 Lab fee required for this course.

AP Studio Art 2D Design

51900D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Art II

Advanced Placement (AP) Studio Art is an accelerated program designed for students who have an interest and skill in art. It is an introductory college level course for high school students and will require organization, commitment, and work time outside of class. The class is geared toward completion of a portfolio containing 24 accomplished and compelling works of art. The 2D Studio

Portfolio will address a broad interpretation of design elements and principles. There is a \$30 Lab fee required for this course.

AP Studio Art 3D Design

51910D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Art II

Advanced Placement (AP) Studio Art is an accelerated program designed for students who have an interest and skill in art. It is an introductory college level course for high school students and will require organization, commitment, and work time outside of class. The class is geared toward completion of a portfolio containing 16 accomplished and compelling works of art. The 3D Studio Portfolio will address a broad interpretation of design elements and principles used in three dimensions. There is a \$45 Lab fee required for this course.

AP Studio Art Drawing

51920D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Art II

Advanced Placement Studio Art is an accelerated program designed for students who have an interest and skill in art. It is an introductory college level course and will require organization, commitment, and work time outside of class. Students complete a portfolio containing 24 accomplished and compelling works of art. The drawing portfolio will address a broad interpretation of drawing issues and media. Upon completion of the course, the student will be expected to take the College Board Advanced Placement exam. There is a \$30 Lab fee required for this course.

AP Art History

52010D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) Art II

Required Prerequisite(s) none

AP Art History is designed to allow students to examine major forms of artistic expression relevant to a variety of cultures evident in wide variety of periods from present times into the past. In this course, students acquire an ability to examine works of art critically, with

intelligence and sensitivity, and to articulate their thoughts and experiences. The focus is on European Art, but the course also explores African, Hindu, South and East Asian, and Muslim Art.

Wind Symphony I-IV

53010-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/or Instructor Approval

This course is specifically designed for the advanced instrumental student who has proven through audition the ability to perform above average in the areas of technical ability, sight-reading, and audio perception. Students in the Wind Symphony are expected to be enrolled in private lessons and participate in the All-Region Auditions, Solo & Ensemble, and be leaders in other performing ensembles such as Brass Choir, Woodwind Choir, and Percussion Ensemble. Required participation in extra-curricular activities ranges from as much as 8 hours of outside rehearsal to as little as 1 extra hour of rehearsal each week. Students will receive 1/2 credit P.E. equivalency for participation in the marching band.

Symphonic Band I-IV

53110-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/or Instructor Approval

This course is specifically designed for the upper level intermediate instrumental student. While continuing to develop technical ability and basic musicianship, students are involved in the rehearsal and the performance of easy to medium level difficulty band literature. Students in the Symphonic Band are encouraged to be enrolled in private lessons and participate in the All-Region Auditions, Solo & Ensemble, and contribute in other performing ensembles such as Brass Choir, Woodwind Choir, and Percussion Ensemble. Required participation in extra-curricular activities ranges from as much as 8 hours of outside rehearsal to as little as 1 extra hour of rehearsal each week. Students will receive 1/2 credit P.E. equivalency for participation in the marching band.

Concert Band I-IV

53210-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) .. Audition and/or Instructor Approval

This course is specifically designed for the intermediate level instrumental student. While continuing to develop technical ability and basic musicianship, students are involved in the rehearsal and the performance of easy to medium level difficulty band literature. Students in the Concert Band are encouraged to be enrolled in private lessons and participate in the All-Region Auditions, Solo & Ensemble, and contribute in other performing ensembles such as Brass Choir, Woodwind Choir, and Percussion Ensemble. Required participation in extra-curricular activities range from as much as 8 hours of outside rehearsal to as little as 1 extra hour of rehearsal each week. Students will receive 1/2 credit P.E. equivalency for participation in the marching band.

Wind Ensemble I-IV

53310-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/
or Instructor Approval

This course is specifically designed for the intermediate to advanced level instrumental student. While continuing to develop technical ability and basic musicianship, students are involved in the rehearsal and the performance of medium to difficult level band literature. Students in the Wind Ensemble are expected to be enrolled in private lessons and are encouraged to participate in the All-Region Auditions, Solo & Ensemble, and be leaders in other performing ensembles such as Brass Choir, Woodwind Choir, and Percussion Ensemble. Required participation in extra-curricular activities ranges from as much as 8 hours of outside rehearsal to as little as 1 extra hour of rehearsal each week. Students will receive 1/2 credit P.E. equivalency for participation in the marching band.

Drumline I-IV

53410-40D • Grades 9-12 • 0.5 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/
or Instructor Approval

This course is for battery percussion section during the fall semester. Students will work on the fundamentals of playing rudimental percussion and marching technique while rehearsing and performing with the Marching Band. Students in the drumline are expected to participate in the All-Region, Solo and Ensemble. Required participation in extra-curricular activities range from as much as 8 hours of outside rehearsal to as little as 1 extra hour of rehearsal each week. Mandatory performances include, but are not limited to, all football games and pep rallies, marching band and drumline contests, and community events. Students will earn 1/2 credit of P.E. equivalency for participating in the Marching Band.

Jazz Ensemble I-IV

53510-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/
or Instructor Approval

Required Co-requisite enrolled in an additional
band course or have instructor approval
to have this co-requisite waived

This performance-oriented organization is designed for the advanced instrumental student who has proven through audition the ability to perform above average as a member of the Concert Band, Symphonic Band, Wind Ensemble, or Wind Symphony and must maintain membership in one of these groups in order to be eligible for the Jazz Ensemble. Students will study and perform jazz music from the mid 1900's to the present time. Students will be involved in a variety of performances and competitions. This ensemble frequently performs at various school and civic functions.

Music Production*

54000D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) General music theory
knowledge, Audition and/or Instructor Approval

Music Production is a performance-

based course that will guide students in all genres of music through performance opportunities. Students will have an overview of the recording, entertainment, and performing arts industries. Topics will include recording engineering, music history, songwriting, publishing, live performance, career opportunities, and an examination of the historical, aesthetic, and commercial developments of the music industry. Students will manage musical projects, develop style-independent concepts and language for critical thinking and listening, understand psychoacoustics, learn to communicate in clear and concise verbal and written language, appraise technologies for music analysis, and manage schedules, budgets, and allocate resources. **This course does NOT satisfy the fine arts requirement for graduation.*

Orchestra I-IV

54800-30D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/
or Instructor Approval

9th through 12th-grade string players in high school orchestra classes hone playing skills developed in earlier grades with a goal of playing advanced literature, including that of the great Western composers. Jazz, fiddle, and rock styles are also explored and performed. Students will have numerous performances throughout the year, will participate in a solo and ensemble event, and will travel to a music festival off-campus. High school students may also audition for All-Region, All-Area, and All-State Orchestra placement. Orchestra classes are held at Wylie High School; students from other attendance zones may transfer for the orchestra program.

Theatre Arts I

55010D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Theatre Arts I is designed for the student who is interested in learning basic acting concepts, basic production concepts, theatrical history, voice, movement, and characterization. Students will explore the production process through performance of classroom scenes emphasizing learned skills in concentration,

creativity, improvisation, and pantomime. These skills are learned through physical exercises, mental exercises, and writing exercises. Students must take two semesters of theater to fulfill the Fine Arts graduation requirement.

Theatre Arts II

55020D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Theatre Arts I

Theatre Arts II will focus on the more specialized aspects of theatre. Basic concepts learned in Theatre Arts I will be expanded and applied to production work in various theatrical styles, including Greek, Medieval, Renaissance, Elizabethan, Restoration, Naturalism, Realism, and Absurdism. Students are responsible for all aspects of production work. Some co-curricular after school time may be required.

Theatre Arts III

55030D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Theatre Arts II

Theatre Arts III will focus on the more specialized aspects of theatre. Basic concepts learned from Theatre Arts I and II will be expanded and applied to production work in various theatrical styles, including Greek, Medieval, Renaissance, Elizabethan, Restoration, Naturalism, Realism, and Absurdism. Some co-curricular after school time may be required.

Theatre Arts IV

55040D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Theatre Arts IV

Theater Arts IV will focus on the more specialized aspects of theatre. Basic concepts learned from Theater Arts I, II, and III will be expanded and applied to production work in various theatrical styles, including Greek, Medieval, Renaissance, Elizabethan, Restoration, Naturalism, Realism, and Absurdism. Some co-curricular after school time may be required.

Technical Theatre I

55110D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

Technical Theatre I is a yearlong course designed for the student who is interested in what goes on behind the scenes. This is a knowledge and skills development class introducing all aspects of theater safety, working with power and/or hand tools and materials, stage settings, scenic painting, scenery and prop design and construction as well as design and execution processes needed in lighting, sound, makeup, costuming and publicity. Finally, this class teaches basic stagecraft as well as aspects of technically managing stage productions. Some afterschool work is required to fulfill the expectations for this course. At the completion of this course, the student will be able to understand how technicians collaborate with the other artists to provide an effective production, from the creative process (script analysis to the final desired executions needed) for performances.

Technical Theatre II

55120D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Technical Theatre I

Technical Theatre II is year-long course, designed for the advanced student who is interested in designing, constructing, and managing theatrical productions. Aspects include set, properties, costumes, makeup, lighting, and sound design/ construction. Students are expected to serve as behind-the-scenes technicians in stage management, lighting, sound, or stage/house crew on all theatrical productions. A significant amount of after school work is expected in taking this course. This class is intended for those who make up the primary leadership for all our school productions. All outside work is credited toward membership in ITS and/or drama club. All students are expected to begin a technical portfolio suitable for scholarship auditions. Technical Theater II may be taken as a fine arts credit or as a PE credit, but not both.

Technical Theatre III

55130D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Technical Theatre II

Technical Theatre III is a year-long course designed for the advanced student who is interested in designing, constructing, and managing theatrical productions. Aspects include set, properties, costumes, makeup, lighting, and sound design/construction. Students are expected to serve as behind-the-scenes technicians in stage management, lighting, sound, or stage/house crew on all theatrical productions. A significant amount of afterschool work is expected in taking this course. This class is intended for those who make up the primary leadership for all our school productions. All outside work is credited toward membership in ITS and/or drama club. All students are expected to continue to build a technical portfolio suitable for scholarship auditions.

Technical Theatre IV

55140D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Technical Theatre III

Technical Theatre IV is a year-long course, designed for the advanced student who is interested in designing, constructing, and managing theatrical productions. Aspects include set, properties, costumes, makeup, lighting, and sound design/construction. Students are expected to serve as behind-the-scenes technicians in stage management, lighting, sound, or stage/house crew on all theatrical productions. A significant amount of afterschool work is expected in taking this course. This class is intended for those who make up the primary leadership for all our school productions. All outside work is credited toward membership in ITS and/or drama club. All students are expected to continue to build a technical portfolio suitable for scholarship auditions.

Theatre Production Black Box I-IV

55210-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Auditions are required

This course will be made up of actors who

wish to concentrate on and practice play production. Much of the curriculum will consist of projects to be rehearsed, created, and performed for the public. After school production time will be required.

Theatre Production Main Stage I-IV

55310-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Auditions are required

This Varsity level course will be made up of advanced actors who wish to concentrate on and practice play production. The entire year will consist of projects to be rehearsed, created, and performed for the public. After school production time will be required.

Treble Choir I-IV

57010-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/
or Instructor Approval

Treble Choir is designed for the student who has an appreciation of music and wishes to develop advanced choral techniques through rehearsal and different styles of choral literature. Students are involved in the rehearsal and performance of choral literature throughout the year. This ensemble concentrates on developing a solid background of sight-reading skills, music literacy, and performance skills. Students enrolled in Treble Choir are required to attend extra rehearsals when scheduled, after school hours. Required participation in co-curricular and extracurricular activities range from one hour to as many as eight extra hours of rehearsals and/or concerts each week.

Tenor/Bass Choir I-IV

57110-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/
or Instructor Approval

Tenor/Bass Choir is the beginning and intermediate tenor-bass ensemble. Students are involved in the rehearsal and performance of choral literature throughout the year. This ensemble concentrates on developing a solid

background of sight-reading skills, music literacy, and performance skills. Students enrolled in the Tenor/Bass Choir are required to attend extra rehearsals when scheduled, after school hours. Required participation in co-curricular and extracurricular activities range from one hour to as many as eight extra hours of rehearsals and/or concerts each week.

Cantus Tenor/Bass Choir

57150-57180D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite..... none

Required Prerequisite. Audition and/or Instructor Approval

Cantus Tenor-Bass Choir is an auditioned choir open to tenth through twelfth grade tenor-bass singers and specializes in the performance of tenor-bass choir music. Students enrolled in the course will continue the development of singing, listening, sight-reading, and music theory skills. Cantus Tenor-Bass Choir travels to UIL Concert and Sight-Reading Contest each year as a non-varsity tenor-bass choir and also competes in local and regional choral competitions. Membership requires attendance at extra-curricular activities, including concerts, rehearsals, and/or sectionals.

A Cappella Choir I-IV

57210-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/
or Instructor Approval

A Cappella Choir is a performance-oriented group designed for the choral student who has proven through audition the ability to perform above average in the areas of choral techniques and sight reading. Students will continue to develop their musicianship through rehearsals and challenging choral literature while participating in formal concerts, contests, as well as individual and small ensemble performances. Participation in All-Region and Solo & Ensemble events are strongly encouraged. Required participation in co-curricular and extracurricular activities range from one hour to as many as eight extra hours of rehearsals and/or concerts each week.

Concert Choir I-IV

57250-80D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/
or Instructor Approval

Concert Choir is an intermediate non-varsity mixed voice ensemble comprised of men and women. Students are involved in the rehearsal and performance of choral literature throughout the year. This ensemble continues developing a solid background of sight-reading skills, music literacy, and performance skills. Students enrolled in the Concert Choir are required to attend extra rehearsals when scheduled, after school hours. Required participation in co-curricular and extracurricular activities range from one hour to as many as eight extra hours of rehearsals and/or concerts each week.

Tenor/Bass Select Choir I-IV

57510-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/
or Instructor Approval

Tenor-Bass Select Choir I-IV is an auditioned choir open to ninth through twelfth grade tenor/bass singers and specializes in the performance of tenor/bass choir music. Students enrolled in the course will continue the development of singing, listening, sight-reading, and music theory skills. Select Tenor/Bass Choir travels to UIL Concert & Sight-Reading Contest each year as a non-varsity Tenor/Bass Choir and also competes in local and regional choral competitions. Membership requires attendance at extra-curricular activities, including concerts, rehearsals, and/or sectionals.

Treble Select Choir I-IV

57310-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Audition and/
or Instructor Approval

Treble Select Choir I-IV is an intermediate treble ensemble. They participate in selected UIL & TMEA competitions and all concerts and performances throughout the concert season. The focus of this ensemble is to

continue to develop intermediate to advanced sight-reading and performance skills.

Bel Canto I-IV

57350-80D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Audition and/
or Instructor Approval, Students must
be a member of A Cappella Choir

Bel Canto is an auditioned, intermediate to advanced treble ensemble comprised of women in grades 10-12. They participate in selected UIL & TMEA competitions and all concerts and performances throughout the year. Participation in Solo & Ensemble is strongly encouraged. The focus of this ensemble is to continue to develop intermediate to advanced sight-reading and performance skills.

Show Choir I-IV

57410-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Audition and/
or Instructor Approval, Students must
be a member of A Cappella Choir

This touring performance-oriented group is designed for students who wish to explore various musical styles such as jazz, pop, gospel, country, swing and Broadway. Students will continue to develop their musicianship through rehearsal and literature while learning the choral techniques required for small ensemble and solo singing. Student eligibility plays a large role in this ensemble and is a factor for many performances. Required participation in co-curricular and extracurricular activities range from one hour to as many as eight extra hours of rehearsals and/or each week. Each member will be required to participate in All-Region auditions and Solo & Ensemble Contest. Uniform purchase is required.

Principles of Dance I

59010D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Principles of Dance I is designed for those interested in learning the basic fundamentals

of dance. This class will include the vocabulary of dance movement, creative expression through movement, awareness of space, time, and energy as design factors in dance composition, fitness principals, and development of self-confidence through the use of the body as an expression instrument, dance history and appreciation of dance as an art form. Students may earn a Fine Arts credit or a PE credit for this course, but not both at the same time.

Principles of Dance II

59020D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Dance I

Principles of Dance II is designed for those interested in a continuation of the basic fundamentals of dance. This class will include the vocabulary of dance movement, creative expression through movement, awareness of space, time, and energy as design factors in dance composition, fitness principals, development of self-confidence through the use of the body as an expression instrument, incorporate more advanced choreographic processes, dance history and appreciation of dance as an art form. Students may earn a Fine Arts credit or a PE credit for this course, but not both at the same time.

Principles of Dance III

59030D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Dance II

Principles of Dance III is designed for those interested in a continuation of Dance II. This class will include the vocabulary of dance movement, creative expression through movement, awareness of space, time, and energy as design factors in dance composition, fitness principals, development of self-confidence through the use of the body as an expression instrument, incorporate more advanced choreographic processes, dance history and appreciation of dance as an art form. Students may earn a Fine Arts credit or a PE credit for this course, but not both at the same time.

Principles of Dance IV

59040D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Dance III

Principles of Dance IV is designed for those interested in a continuation of Dance II. This class will include the vocabulary of dance movement, creative expression through movement, awareness of space, time, and energy as design factors in dance composition, fitness principals, development of self-confidence through the use of the body as an expression instrument, incorporate more advanced choreographic processes, dance history and appreciation of dance as an art form. Students may earn a Fine Arts credit or a PE credit for this course, but not both at the same time.

Dance for Musical Theatre I

59060D/E • Grades 9-12 • 1 credit

Recommended Prerequisite..... none
Required Prerequisite none

Students will take a dive into musical theatre dance through movement exploration and performances. Throughout the course students will develop deeper body awareness, musicality, and movement, as well as audition techniques in preparation for future audition processes.

Varsity Dance I-IV

59110-40D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Audition and
Acceptance on High School Drill Team

Varsity Dance I-IV is an intense study of the dance progress. These classes are designed for performances as a group. Students enrolled in these classes should be highly skilled dance performers with an interest in hard work and improvement. This class does require participation in extra-curricular activities that include as much as 8 hours of outside rehearsal each week and various performances and community events. Students will receive 1 Fine Arts credit. In addition, students will receive 1/2 credit PE Equivalency for participation in after-school and evening drill team activities.

Dance Ensemble II

59142D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Principles of Dance I

Students will develop a deeper understanding of the dance elements, choreographic processes, and forms in a variety of dance genres through creating and performance experience.

AP Music Theory

59210D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

The AP Music Theory course is designed for the experienced music student interested in the analysis, composition and understanding of the language of music. Students explore all aspects of music including rhythm, pitch, harmony, scales and chord progression as they relate to composition and style. Composition and analysis projects will be required. Students are expected to have a proficiency in music

reading prior to enrollment. This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take the College Board Advanced Placement exam.

Color Guard I-IV

59310-40D • Grades 9-12 • 0.5 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Audition and/or Instructor Approval, Winter Guard Participation

This course provides the interested student the opportunity to participate in Color Guard activities in the fall semester in association with the marching band. Students will work on the fundamental performance techniques of flags and other equipment while practicing and performing with the Marching Band. Required participation in extra-curricular activities range from as much as 8 hours of outside rehearsal to as little as 1 extra hour of rehearsal each week. Students will receive ½ credit P.E. equivalency for participation in marching band.

Winter Guard I-IV

59350-80E • Grades 9-12 • 0.5 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Audition and/or Instructor Approval, Marching Band Color Guard Participation

This course provides the interested student the opportunity to participate in Color Guard activities in the spring semester. Student skills will continue to be refined while performing advanced techniques. This group will compete several times in North Texas Color Guard Association events as well as various other public performances. Required participation in extra-curricular activities range from as much as 8 hours of outside rehearsal to as little as 1 extra hour of rehearsal each week.

LANGUAGES OTHER THAN ENGLISH (LOTE)

Spanish I

41000A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Level I of high school Spanish offers the student the opportunity for acquisition of the four basic language skills listening, speaking, reading, and writing. The primary objective of the level one course is to develop audio-lingual skills and to obtain a mastery of simple basic communicative structures. The students will develop a cultural appreciation of the Hispanic World.

Spanish I Advanced

41001A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

This Advanced course is designed for those students who are planning to continue their

studies in Spanish and eventually take the advanced placement courses offered. This is a high school level course that offers the opportunity for acquisition of the four basic language skills, listening, speaking, reading, and writing. The primary objective of the level one Advanced course is to develop audio-lingual skills and to obtain a mastery of simple basic structures using these basic structures without translation. The students will develop a cultural appreciation of the Hispanic World.

Spanish I Advanced for Native Speakers

41011A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) This course is for Native Spanish speakers

This Advanced course is designed for those students who can already speak Spanish fluently but need to expand their four basic

language skills: listening, speaking, reading, and writing. This course is designed for those students who are planning to continue their studies in Spanish and eventually take the advanced placement courses offered. The students will develop a cultural appreciation of the Hispanic World.

Spanish II

41100A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Spanish I

Level II continues the Level I emphasis on listening and speaking skills. More complex grammatical structures are introduced and reading and writing skills are developed to a higher level of proficiency. The interdependent roles of culture and language are studied in more depth and Level II students are expected to grasp the relevance of Hispanic countries and cultures in today's world.

Spanish II Advanced

41101A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Spanish I

This Advanced course is designed for students who wish to continue their studies in Spanish and eventually take the advanced placement courses offered. The student will find it necessary to be more creative with responses to questions and more original in narratives. All four major language skills will be developed with a concentration on higher grammatical structures, speaking, listening, reading, and writing. The student will be tested throughout the year in all areas pertaining to advanced placement curriculum.

Spanish II Advanced for Native Speakers

41021A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) Spanish I
Required Prerequisite(s) Spanish I, this course is for Native Spanish speakers

This Advanced course is designed for who can already speak Spanish fluently but need to expand their four basic language skills: listening, speaking, reading, and writing, with a special emphasis on literacy skills. This course is designed for those students who are planning to continue their studies in Spanish and eventually take the advanced placement courses offered. The students will develop a cultural appreciation of the Hispanic World. The student will be tested throughout the year in all areas pertaining to advanced placement curriculum.

Spanish III Advanced

41201D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Spanish II

This Advanced course is designed for students wishing to take Spanish IV AP. The course will encourage the students to read, write, listen, and think in Spanish requiring greater concentration, rapid organization of thought, and spontaneous processing for oral communication using all four language skills to communicate. Students will examine culture in the target language and will present with a

deeper understanding. The students will study literature from Spain and Latin America.

Dual Credit Spanish III

41204D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Spanish II, enrollment in Collin College

The course will encourage students to read, write, listen, and think in Spanish requiring greater concentration, rapid organization of thought, and spontaneous processing into oral communication. Students will find it necessary to be more creative in their responses to questions and more original in their writings. All four language skills will be developed. Culture will be examined in the target language. Students will enroll in SPAN 1411 - Beginning Spanish I (4 hours) and SPAN 1412 - Beginning Spanish II (4 hours) at Collin College.

AP Spanish IV

41301D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Spanish III

This Advanced Placement course is designed for students who plan to take the Advanced Placement in Spanish Language Exam. The content focuses on preparing for the AP exam. Students will be required to read, write, listen, speak, and think in Spanish along with giving oral presentations, analyzing listening materials, writing compositions, and reading in the target language. In-depth coverage of cultures from Latin America and Spain with an overall review of Spanish grammar and brief studies of literary genres from authors and poets. Upon completion of the course, students will be expected to take the College Board Advanced Placement exam.

Dual Credit Spanish IV

41304D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Spanish III, enrollment in Collin College

Students will be required to read, write, listen, speak, and think in Spanish. Students will be expected to give oral presentations, analyze

listening material, write compositions, and read in the target language. An in-depth study of the cultures of Latin America and Spain will be covered as well as an overall review of Spanish grammar. There will be a brief study of literary genres from authors and poets from Spain and Latin America. Students will enroll in Collin College SPAN 2311 - Intermediate Spanish I (3 hours) and SPAN 2312 - Intermediate Spanish II (3 hours).

AP Spanish V

41401D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Spanish IV

This Advanced Placement course is designed for students who plan to take the Advanced Placement Exam in Spanish Literature. Students will be expected to understand lectures in Spanish and participate actively in discussions on literary topics in Spanish. They will be expected to do close readings of literary texts of all genres in Spanish and to analyze critically the form and content of literary works (including poetry) orally and in writing using appropriate terminology. Advanced Spanish grammar reinforced. Upon completion of the course, students will be expected to take the College Board Advanced Placement exam.

French I

42000A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

French I is an introduction to the French world, its language, and people. The main emphases of this course are audio-lingual skills and mastery of simple basic structures. The student will also begin to develop reading and writing skills in the target language. The student will be guided in recognizing the interrelationships of languages and will develop a cultural appreciation of the Francophone world. The course focuses on achieving novice proficiency.

French I Advanced

42001A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

This Advanced course is a high school course designed that offers the opportunity for acquisition of the four basic language skills listening, speaking, reading, and writing. The main emphases of this course are audio-lingual skills and mastery of simple basic structures with the development of reading and writing skills in the target language. The student will be guided in recognizing the interrelationships of languages and will develop a cultural appreciation of the Francophone world developing a cultural appreciation of the Francophone World and recognizing the interdependence of languages with a focus on achieving novice proficiency.

French II

42100A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) French I

This course offers a continued emphasis on listening and speaking skills. Additionally, French II continues to develop reading and writing skills with an added emphasis on more complex grammatical structures. Contrast between English and French strengthens the language learning process. Culturally related activities of selected French speaking countries or regions will be explored. The focus of this course is on the development of mid to high novice proficiency.

French II Advanced

42101A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) French I

This Advanced course is designed for those students who wish to continue their studies in French and move into advanced placement courses offered. Creativity in student responses to questions and more original narratives are expected. All four major language skills will be developed with a concentration on higher grammatical structures. Additionally, French II continues to develop reading and writing skills along with exploring culturally related activities of selected French-speaking countries or regions.

French III Advanced

42201D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) French II

French III Advanced is an expansion of French III. This course utilizes higher level/critical thinking skills and focuses on the development of mid-intermediate proficiency in oral skills, comprehension of French literature and history, expository composition, and expanded use of grammar and vocabulary. Readings will include "Le Petit Prince" by Saint-Exupery. Culturally related activities of selected regions of counties will be explored.

Dual Credit French III

42204D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) French II, enrollment in Collin College

Dual Credit French III is an expansion of French III. This course utilizes higher level/critical thinking skills and focuses on the development of mid-intermediate proficiency in oral skills, comprehension of French literature and history, expository composition, and expanded use of grammar and vocabulary. Culturally related activities of selected regions of counties will be explored. Students will enroll in Collin College and can receive college credit in FREN 1411 - Beginning French I (4 hours) and FREN 1412 - Beginning French II (4 hours).

AP French IV

42301D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) French III

This course meets the requirements of an intermediate college course in French studies. It stresses the development of fluency in oral skills, comprehension of French literature and history, expository composition, and expanded use of grammar. This course utilizes higher level/critical thinking skills and focuses on the development of accuracy and fluency preparing students to take the College Board Advanced Placement exam.

MATH

Algebra I

11000A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Mathematics, Grade 8 or its equivalent

A student enrolls in Algebra I as a one-year course. The course involves a study of the real numbers and their properties, simplifying expressions, the language of Algebra, solving and graphing linear equations and inequalities, linear and quadratic relations and functions, ratios, proportions and variations, and polynomials. The student should acquire a basic knowledge of the structure and use of Algebra.

Algebra I Advanced

11001A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Mathematics, Grade 8 or its equivalent, Scoring at Approaches Level on 8th Grade Math STAAR

A student enrolls in Algebra I as a one-year course. The course involves a study of the real numbers and their properties, simplifying expressions, the language of Algebra, solving and graphing linear equations and inequalities, linear and quadratic relations and functions, ratios, proportions and variations, and polynomials. The student should acquire a more in depth knowledge than students in on level Algebra I.

Geometry

12000A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Algebra I (Can be taken concurrently with Algebra II with administrator approval)

This course is an in-depth study of plane and solid figures. The student will apply the principles of inductive and deductive reasoning in developing basic proofs. Particular emphasis is given to applying definitions, conjectures, postulates, and theorems. The student will study the basic properties of lines, planes, polygons, circles, and geometric solids. Topics include the principle of congruence and similarity of triangles and the basic concepts of coordinate and transformational geometry. The course is directed toward giving the student a thorough understanding of Euclidean geometry.

Geometry Advanced

12001A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) ... Algebra I or Algebra I Advanced

Geometry Advanced is a preparatory course for the advanced placement test, which students will take when they complete Calculus. Higher-level critical thinking skills, independent research, projects, extensive problem solving, and use of graphing calculators are all included in the course. Topics will be explored in depth, and tests will

prove more challenging than ones found in the regular Geometry course.

Mathematical Models with Applications

13000A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) Geometry
Required Prerequisite(s) Algebra I

Students will apply mathematics to problems arising in everyday life, society, and the workplace. Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. This course is not currently accepted by the NCAA Clearinghouse as a math credit.

Algebra II

14000A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) Geometry (can be taken concurrently with administrator approval)
Required Prerequisite(s) Algebra I

This course includes a study of foundations of functions, identifying and graphing parent functions, extending those functions using transformations, analyzing the relationships between those functions and their inverses, and identifying and graphing conic sections. Systems of equations and inequalities will be solved using algebraic methods, tables, graphs, and matrices.

Algebra II Advanced

14001A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) Geometry (can be taken concurrently with administrator approval)
Required Prerequisite(s) Algebra I

This course will provide higher-level critical thinking skills and independent research. Students will experience more challenging problem-solving tasks than in the regular Algebra 2 class. Extra research and problem-solving skills are involved in preparation for PreCalculus and Calculus. Calculator explorations will be a regular part of the course as students examine functions and their graphs. The course will be expanded to include an introduction to sequences

and series and the study of polynomials. Composition of functions is included with inverse functions.

PreCalculus

14100A/B • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) ... Strong Skills in Algebra II
Required Prerequisite(s) ... Algebra I, Geometry, Algebra II

The course covers material leading into Calculus. Polynomial functions, exponential functions, logarithmic functions, rational functions, circular and trigonometric functions, vectors, parametric equations, sequences and series, and second-degree relations are all studied in detail. This course is an upper level math elective.

AP PreCalculus

14111D/E • Grades 10-12 • 1 credit

Recommended Prerequisite none
Required Prerequisite Algebra I, Geometry, Algebra II

AP Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, business, social science, and data science. Furthermore, as AP Precalculus may be the last mathematics course of a student's secondary education, the course is structured to provide a coherent capstone experience rather than exclusively focusing on preparation for future courses.

AP Calculus AB

14201D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) ... Strong skills in PreCalculus
Required Prerequisite(s) Algebra I, Geometry, Algebra II, PreCalculus

The advanced course involves a study of calculus and Analytic Geometry comparable to that studied in college and university courses. It is an advanced level course. A review of elementary function and conic sections will be included, followed by work leading to differentiation and application of the derivative, integration and applications,

and differentiation and integration of trigonometric, logarithmic, and exponential functions. Methods of integration will also be studied. This course is very time intensive and requires a large amount of study time. This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take the College Board Advanced Placement Exam.

AP Calculus BC

14311D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) . . . Strong skills in PreCalculus
 Required Prerequisite(s) Algebra I, Geometry, Algebra II, PreCalculus

The advanced course involves a study of calculus and Analytic Geometry comparable to that studied in the second semester of college and university courses. It is an advanced level course especially useful to those pursuing studies in mathematics, engineering, sciences, economics, and business fields. A review of concepts of Calculus AB will take place, as higher concepts will be introduced. New methods of integration will be learned such as integration by parts and tabular integration, sequences and series, power series, parametric, polar and vectors will also be studied. This course is very time intensive and requires a large amount of study time. This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take the College Board Advanced Placement Exam. Students will receive two scores, one for Calculus AB and one for Calculus BC.

Dual Credit Calculus I/II

14204D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite none
 Required Prerequisite PreCalculus, Score of 3 or higher on AP PreCalculus Exam, pay own fees and tuition, accepted to Collin College

Dual Credit Calculus I covers limits, derivatives and applications, introductory integration with the Fundamental Theorem of Calculus, as well as L'Hopital's rule, separable differential equations, slope fields, areas between curves, and volumes of revolution. Dual Credit Calculus II covers advanced

integration techniques, sequences and series, Euler's Method, logistic equations, and parametric and polar equations with derivatives and integrals. Dual Credit Calculus is offered through a partnership with Collin College and includes Dual Credit I - MATH 2413 (Fall) and Dual Credit II - MATH 2414 (Spring).

AP Statistics

14401D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) Strong skills Algebra II
 Required Prerequisite(s) . . Algebra I, Geometry, Algebra II

AP statistics is an option for any student who has successfully completed Algebra 1, Geometry, and Algebra 2. This course content will include exploratory analysis of data using graphical and numerical techniques, studies of patterns and departures from patterns, collection of data, and development of conjectures based on data, analysis of the distribution of data, and using models to draw conclusions from data. This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take the College Board Advanced Placement Exam.

Statistics and Business Decision Making

14442D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Algebra II

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Dual Credit College Algebra/Statistics

14504A/B • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) TSI score of 910-949 and diagnostic score of 6, Algebra II, pay own fees and tuition, accepted to Collin College

College Algebra is designed for students in

12th grade who need College Algebra as a college math credit. This class is an in-depth study and application of polynomial, rational, radical, exponential and logarithmic functions, and system of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. Students must register for MATH 1314 College Algebra (3 hours) at Collin College. College Statistics is designed for students in 12th grade who need Statistics as a college math credit. Collection analysis, presentation, and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypotheses testing. Students must register for MATH 1342 - Elementary Statistical Methods (3 hours) at Collin College.

Dual Credit Business Math/ Business Calculus

14704D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Algebra II, pay own fees and tuition, accepted to Collin College, TSI Score of 910-949, diagnostic score of 6.

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. Students can receive 6 hours of college credit in Math 1324 - Mathematics for Business & Social Sciences and Math 1325 - Calculus for Business & Social Sciences.

College Prep Math

18100D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Math Models or Algebra II

Designed for students in 12th grade who do not meet college readiness expectations, this course will provide instruction in mathematics skills that are most necessary for success in a post-secondary math course. This course was developed in partnership with Region 10 Education Service Center. Successful completion of this course will exempt students from the TSI. This course is not currently accepted by the NCAA Clearinghouse as a math credit.

PHYSICAL EDUCATION

Lifetime Fitness and Wellness Pursuits

80400D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

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

80500D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

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 experience opportunities that promote physical literacy and lifetime wellness. Students in Skill-Based Lifetime Activities participate in a minimum of one lifelong activity from each of the following five categories during the course.

Lifetime Recreation and Outdoor Pursuits

80600D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

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

Off Campus PE I

81700D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

The purpose of the program is to accommodate students who are making a serious effort to develop high level capabilities and to allow them to be involved in an off campus program that provides training exceeding that offered in the school district. The following sports will only be considered swimming, ballet, ice hockey, ice skating, gymnastics, equestrian, martial arts, fencing, track cycling, and lacrosse. Students applying for Off-Campus Physical Education will be considered under two categories. Category one requires a minimum of fifteen hours of training per week and category two requires a minimum of ten hours of training per week.

Off Campus PE II

81800D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

The purpose of the program is to accommodate students who are making a serious effort to develop high level capabilities and to allow them to be involved in an off campus program that provides training exceeding that offered in the school district. The following sports will only be considered swimming, ballet, ice hockey, ice skating, gymnastics, equestrian, martial arts, fencing, track cycling, and lacrosse. Students applying for Off-Campus Physical Education will be considered under two categories. Category one requires a minimum of fifteen hours of training per week and category two requires a minimum of ten hours of training per week.

Health I

84000F • Grades 9-12 • 0.5 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

In Health 1, students develop skills that will make them health-literate adults. Students gain a deeper understanding of the knowledge and behaviors they use to safeguard their

health, particularly pertaining to health risks. Students are taught how to access accurate information that they can use to promote health for themselves and others. Students use problem-solving, research, goal-setting and communication skills to protect their health and that of the community.

Cheer I

85000D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Student must be selected for Varsity Cheerleading Squad

Students will increase their tumbling and cheerleading skills.

Cheer II

85100D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Student must be selected for Varsity Cheerleading Squad

Students will increase their tumbling and cheerleading skills.

Cheer III

85208D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) none

Students will increase their tumbling and cheerleading skills.

Cheer IV

85308D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Student must be selected for Varsity Cheerleading Squad

Students will increase their tumbling and cheerleading skills.

SCIENCE

Biology

21000A/B • Grade 9 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Completion of 8th Grade Science

Biology provides instruction in the study of life. Students investigate various biological, chemical, and mathematical processes affecting organisms and environments. Study of biology begins with the microscopic composition of cells and gradually builds to a macroscopic understanding of populations in the biosphere. Throughout the course, students learn to make informed decisions outside the classroom by researching the contributions of biologists, practicing evidence-based writing, and developing critical thinking skills.

Biology Advanced

21001A/B • Grade 9 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Completion of 8th Grade Science, Scoring at Approaches Level on 8th Grade Science STAAR

Biology Advanced is a more challenging study of life science that includes concepts and processes beyond those outlined in the TEKS. This class follow the same sequence as regular biology, but students are responsible for mastering additional content in each unit. Students are prepared and encouraged to take AP Biology upon completing this class.

AP Biology

24001D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) previous
Advanced classes recommended

Required Prerequisite(s) Biology, Chemistry
(can be enrolled concurrently)

The Biology Advanced Placement course will follow the Advanced Placement recommended scope and sequence for Biology AP. This class aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Due to the fact that this is a college level course, 5 to 6 hours of outside

work. Upon completion of the course, the student will be expected to take the College Board exam.

Dual Credit Biology for Non-Science Majors

24004D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) previous
Advanced classes recommended

Required Prerequisite(s) Biology, Chemistry (can be enrolled concurrently), Pass TSI, pay own fees and tuition, accepted to Collin College

Students enrolled in Dual Credit will study biology at a college level. This class is a concurrent enrollment with Collin College. Students completing the year-long course will receive 1 high school credit and credit for Collin College - BIOL 1408 Biology for Non-Science Majors I (4 hours) and Collin College - BIOL 1409 Biology for Non-Science Majors II (4 hours).

Dual Credit Biology for Science Majors

24044D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) previous
Advanced classes recommended

Required Prerequisite(s) Biology, Chemistry (can be enrolled concurrently), Pass TSI, pay own fees and tuition, accepted to Collin College

Required TSI score in Math 910-949
with diagnostic score of 6,

Required TSI score in English 910-944 with
diagnostic score of 5-6 and essay 5-8.

Students enrolled in Dual Credit will study biology at a college level. This class is a concurrent enrollment with Collin College. Students completing the year-long course will receive 1 high school credit and credit for Collin College - BIOL 1406 Biology for Science Majors I (4 hours) and Collin College - BIOL 1407 Biology for Science Majors II (4 hours).

Chemistry

22000A/B • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) ... completion of or concurrent enrollment in a second year of mathematics

Required Prerequisite(s) one unit of high school science and Algebra I

Chemistry is the study of matter and the changes it undergoes. Students complete lab experiments and analyze data to understand chemical principles. Topic of study include physical and chemical properties, bonding, chemical reactions, stoichiometry, gases, solutions, thermochemistry, and nuclear chemistry. Algebraic problem-solving skills will be utilized throughout the course.

Chemistry Advanced

22001A/B • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) previous
Advanced classes recommended

Required Prerequisite(s) one unit of high school science and Algebra I

Chemistry Advanced is a yearlong study of matter and change that prepares students for college-level chemistry courses. This course follows a different sequence than regular chemistry and includes additional units studying chemical equilibrium and electrochemistry. Students are required to apply advanced principles of algebra and use mental math skills during exams. Students will be encouraged to take AP Chemistry as a junior or senior.

AP Chemistry

24101D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) previous
Advanced classes recommended

Required Prerequisite(s) ... Biology, Chemistry, Algebra I,
Geometry, Algebra II (can be taken concurrently)

This course follows the standards set forth by the Advanced Placement Board. AP Chemistry is equivalent to a first-year college chemistry course and is an in-depth study of topics such as thermodynamics, kinetics, equilibrium, electrochemistry, qualitative analysis and chemical reactions. Lab experiments are required and will require

students to work before and after school in order to complete the lab topics set forth by the College Board. Students should expect 4-5 hours of outside work per week. Upon completion of the course, the student will be expected to take the College Board exam.

Integrated Physics and Chemistry

22100A/B • Grades 9-10 • 1 Credit

Recommended Prerequisite(s) . . . previous Advanced classes
Required Prerequisite(s) none

This course focuses on understanding basic chemistry and physics concepts with minimal application of algebra. The first semester covers chemistry topics, and the second semester covers physics. The purpose of the course is to prepare students for success in later, yearlong courses in chemistry and/or physics.

Physics

23000A/B • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Algebra I, Geometry, Biology, and either Chemistry or IPC

Physics is a yearlong study of motion, forces, waves, energy, and thermodynamics. The year concludes with a brief review of developments in modern physics and quantum theory. Students analyze data to discover physical laws and apply principles of algebra throughout the course.

AP Physics 1

23011D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) Biology, Chemistry, Algebra II (can be taken concurrently)

This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Upon completion of the course, the student will be expected to take the College Board exam.

AP Physics 2

24201D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) AP Physics 1

This course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. Upon completion of the course, the student will be expected to take the College Board exam.

AP Physics C

24211D/E • Grade 12 • 1 Credit

Recommended Prerequisite(s) AP Calculus AB or BC
Required Prerequisite(s) Biology, Chemistry, PreCalculus Advanced

This is a calculus-based, second year course in physics. AP Physics C covers topics in the area of mechanics and includes kinematics, Newton's Laws, friction, circular motion, momentum, energy and work, torque, rotation, gravitation, and simple harmonic motion. The second semester is devoted to a study of electricity and magnetism, and calculus is used freely. Upon completion of the course, the student will be expected to take the College Board Advanced Placement exam. Either or both parts (Mechanics, Electricity and Magnetism) of the Advanced Placement C exam may be taken.

Environmental Systems

24400D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) one unit high school life science and one unit of high school physical science
Required Prerequisite(s) none

In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Topics studied 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, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

AP Environmental Science

24401D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) . . . previous Advanced classes
Required Prerequisite(s) Algebra I, Biology, Chemistry

The Environmental Science AP course will provide students with scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students analyze environmental problems to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and/or preventing them. Environmental Science AP is interdisciplinary; it embraces a wide variety of topics from different areas of study. Upon completion of the course, the student will be expected to take the College Board Advanced Placement exam.

Earth Science Systems

24600D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none
Required Prerequisite(s) 3 Science Credits, 1 of which can be concurrent, and 3 Math credits, 1 of which can be concurrent

This course studies the long, complex, and dynamic history of Earth. Advances in technologies continue to further our understanding of the origin, evolution, and properties of Earth and planetary systems within a chronological framework. Topics studied are divided into the Earth's position in space and time, the solid features of the planet, and the fluid Earth.

Astronomy

24700D/E • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) . . . One unit of high school science
Required Prerequisite(s) none

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills.

SOCIAL STUDIES

World Geography

31000D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

In World Geography Studies, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers on the physical processes that shape patterns in the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions.

AP Human Geography

31101D/E • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Human Geography is an advanced placement course designed to introduce students to the systematic study of patterns and processes that have shaped the physical and human world. Students will learn and apply the methods and tools geographers use in their science and practice. Units of study include Population and Migration, Folk and Popular Culture, Language, Religion, Ethnic Conflict, Current Political Issues, Agricultural Issues, Urbanization and Level of Development. This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take the College Board Advanced Placement exam.

World History

32000A/B • Grades 9-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

World History Studies is a survey of the history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference

in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students analyze the process by which constitutional governments evolved as well as the ideas from historic documents that influenced that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economies, and they use the process of historical inquiry to research, interpret, and use multiple sources of evidence.

AP World History

32001A/B • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

AP European History

32101D/E • Grades 10-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

AP European History is a college-level survey course that introduces students to the rich political, cultural, social, economic, and intellectual heritage of Europe. Students are expected to demonstrate knowledge of major events and trends from High Renaissance to the present.

United States History

33000A/B • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

United States History examines the people and events that shaped this country from the period of Reconstruction to the present time. Included in this study are the presidential administrations, foreign and domestic policies and the global wars that transformed America from an isolated country to a modern world power. Also, the people and events that gradually changed the United States from a rural agricultural nation to an urban, industrial power are studied.

AP United States History

33001A/B • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

United States History Advanced Placement examines the people and events that shaped this country from the Age of Discovery to the present time. Included in this study are the presidential administrations, foreign and domestic policies and the global wars that transformed American from an isolated country to a modern world power. People and events that gradually changed the United States from a rural agricultural nation to an urban, industrial power are studied. This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take the College Board Advanced Placement exam.

Dual Credit United States History

33004A/B • Grades 11-12 • 1 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) Pass TSI, pay own fees and tuition, accepted to Collin College, Collin College course enrollment HIST1301 & HIST1302

United States History examines the people and events that shaped this country. Included in this study are the presidential administrations, foreign and domestic policies and the global wars that transformed America

from an isolated country to a modern world power. Students will be required to pay Collin College tuition of approximately. Students must be enrolled in this course for the entire year and will not be allowed to enter at the semester. Students will need to register for HIST1301 - US History I (3 hours) and HIST1302 - US History II (3 hours) at Collin College.

AP United States Government

34001C • Grades 11-12 • 0.5 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

Government is a study of the historical forces that influenced our Founding Fathers to create the Constitution at Philadelphia. This course includes a study of the structure and content of the Constitution as well as the extensions and alterations which occurred during its 200 years of existence and application. This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take the College Board Advanced Placement exam.

United States Government Dual Credit

34004C • Grades 11-12 • 0.5 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Pass TSI, pay own fees and tuition, accepted to Collin College, Collin College course enrollment GOVT2305

This course studies the Constitution and Government of the United States. Emphasis is on the structure of governmental institutions, the three branches, political parties, elections, civil rights and civil liberties. Students will be required to pay Collin College tuition. Students will need to register for GOVT 2305 - Federal Government at Collin College (3 credit hours).

Economics with an Emphasis on the Free Enterprise System and Its Benefits

34100C • Grades 11-12 • 0.5 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Pass TSI, pay own fees and tuition, accepted to Collin College, Collin College course enrollment GOVT2305

Economics with an Emphasis on the Free Enterprise System and Its Benefits is a one semester course that emphasizes the essentials and benefits of the free enterprise economic system. Students are expected to gain the knowledge, skills, and the attitudes that will enable them to contribute to and maintain the system. Topics covered include profit and competition, the role of the government, taxation, the roles of business and the consumer, financial literacy, and the interaction of the American economy in the world market. If this course is taken simultaneously with AP or Dual Credit Microeconomics, Macroeconomics will be used for calculation of GPA.

Personal Financial Literacy & Economics

36300C • Grades 10-12 • 0.5 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

Personal Financial Literacy and Economics 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. The structure of this course is 2/3 Personal Financial Literacy and 1/3 Economics. This course is not currently accepted by the NCAA Clearinghouse as a social studies credit.

AP Macroeconomics

34101C • Grade 12 • 0.5 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

This course is designed to give students an understanding of the principles of economics that apply to an economic system. The content will include analysis of economic concepts

measurement of economic performance, national income and price level determination, financial sector, inflation, unemployment and stabilization policies, economic growth and productivity, and international trade and finance. This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take the College Board Advanced Placement exam. This course may fulfill the graduation requirement for Economics. If taken simultaneously with AP Microeconomics or Dual Credit Microeconomics, AP Macroeconomics will be used for calculation of GPA.

Dual Credit Macroeconomics

34104C • Grades 11-12 • 0.5 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) Meet TSI in Reading and Writing, pay own fees and tuition, accepted to Collin College, Collin College course enrollment ECON2301

This course studies the principles of macroeconomics. Topics include an analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy. This course fulfills the economics requirement for graduation.

AP Microeconomics

34201C/F • Grades 11-12 • 0.5 Credit

Recommended Prerequisite(s) none
 Required Prerequisite(s) none

This course is designed to focus on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take

the College Board Advanced Placement exam. This course may fulfill the graduation requirement for Economics. If taken simultaneously with AP Macroeconomics or Macroeconomics, AP Macroeconomics or Economics with an Emphasis on the Free Enterprise System and Its Benefits will be used for calculation of GPA.

AP Comparative Government and Politics

35201C/F • Grades 11-12 • 0.5 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

This is an elective course studying political, economic and social characteristics of six selected countries Great Britain, Mexico, Russia, Iran, China, and Nigeria.

This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take the College Board Advanced Placement exam. This course cannot be used as a replacement for United States Government.

Psychology

36000F • Grades 9-12 • 0.5 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

In Psychology, an elective course, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology.

AP Psychology

36001D/E • Grades 11-12 • 0.5 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Advanced Placement Psychology is a survey course examining the scientific study of human and animal behavior. This course takes an academic approach to the field of psychology and will focus on the following areas: research

methods/ethics, biological bases of behavior, personality theories and assessments, learning and memory, life-span psychology, abnormal behavior and treatment, and social psychology. This course is to be taken in conjunction with Psychology Independent Studies AP as a yearlong course of study; students may not enter at semester. This course prepares the student to take the College Board Advanced Placement exam. Upon completion of the course, the student will be expected to take the College Board Advanced Placement exam.

Sociology

36100F • Grades 9-12 • 0.5 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

Sociology students will study such things as culture, social structure, methods of research, the family, the life course, groups, collective action, gender, deviance and crime, social stratification, race and ethnicity; and political and religious institutions.

Ethnic Studies: African American Studies

36210D/E • Grades 10-12 • 0.5 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

In Ethnic Studies African American Studies, an elective course, students learn about the history and cultural contributions of African Americans. This course is designed to assist students in understanding issues and events from multiple perspectives. This course develops an understanding of the historical roots of African American culture, especially as it pertains to social, economic, and political interactions within the broader context of United States history. It requires an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of past achievements provides citizens of the 21st century with a broader context within which to address the many issues facing the United States.

Ethnic Studies: Mexican American Studies

36220D/E • Grades 10-12 • 0.5 Credit

Recommended Prerequisite(s) none

Required Prerequisite(s) none

In Ethnic Studies Mexican American Studies, an elective course, students learn about the history and cultural contributions of Mexican Americans. Students explore history and culture from an interdisciplinary perspective. The course emphasizes events in the 20th and 21st Centuries, but students will also engage with events prior to the 20th century.

For questions about planning your academic future, contact your school counselor.



Wylie East High School

3000 Wylie East Drive
Wylie, TX 75098

Main Office: 972-429-3150

Counseling Webpage:



Wylie High School

2550 West FM 544
Wylie, TX 75098

Main Office: 972-429-3100

Counseling Webpage:



Achieve Academy

400 Pirate Drive
Wylie, TX 75098

Main Office: 972-429-2390

Counseling Webpage:



www.wylieisd.net