MIDLOTHIAN ISD
INSPIRING EXCELLENCE

2024-2025
High School
Academic Planning Guide

THE MILE

Table of Contents

MIDLOTHIAN ISD™
INSPIRING EXCELLENCE

Vision Statement

Inspiring excellence today to change the world tomorrow.

Mission Statement

The mission of Midlothian ISD is to educate students
by empowering them to maximize their potential.

Belief Statements

- We believe that safe, engaging, rigorous, and diverse learning environments provide the best opportunity for students to reach their fullest potential.
- We believe a high-quality staff with appropriate resources is essential to creating educational experiences that promote student success.
- We believe that effective communication, purposeful collaboration, and strong partnerships create an atmosphere of trust and a strong sense of community vital to student achievement.

Cultural Tenets

We Are Family ~ Unlimited Potential ~ Excellence Through Purpose
Honor Relationships ~ Celebrate the Power of Diversity ~ Midlothian Strong

MIDLOTHIAN INDEPENDENT SCHOOL DISTRICT

100 Walter Stephenson Rd., Midlothian, TX 76065, (469) 856-5000
www.midlothianisd.org

BOARD OF TRUSTEES

Tami Tobey	President
Gary Vineyard	Vice President
Eduardo Gonzalez	Secretary
Richard Pena	Trustee
Jessica Ward	Trustee
Ed Harrison	Trustee
Mike Dillow	Trustee

CENTRAL ADMINISTRATION

Dr. David Belding	Superintendent
Dr. Aaron Williams	Chief Human Capital Officer
Shelle Blaylock	Chief Academic Officer
Josephfer Williams	Executive Director of Technology
Tammy Kuykendall	Executive Director of Communications
Becki Krsnak	Executive Director of Curriculum and Instruction
Krista Tipton	Executive Director of Student Support
Shannon Thompson	Executive Director of Specialized Learning
Ray Borden	Executive Director of Leadership
Mendy Autrey	Director of Compliance and Accountability
Holly Thomas	Director of Fine Arts
Sabra Golden	Director of Guidance and Counseling
Suzanne Wyatt	Director of Special Education
Kristopher Vernon	Director of Career and Technical Education

Assurance of Nondiscrimination

It is the policy of the Midlothian Independent School district to comply fully with the nondiscrimination provisions of all federal and state laws and regulations by assuring that no persons shall be excluded from consideration for recruitment, selection, appointment, training, promotion, retention, or any other personal action, or be denied any benefits of participation in any programs on the grounds of race, religion, color, national origin, sex, handicapped disadvantages, limited English proficient, age or veteran status (except where age, sex, or handicap constitute a bona fide occupational qualification necessary to proper and efficient administration).

Midlothian High School
923 S. 9th St.
468-856-5100

Dr. Amanda Rodgers	Principal
Caty Dearing	Associate Principal- Instruction
Chris Cravey	Associate Principal- M/O
Chris Foster	Assistant Principal
Jennifer Yeaney	Assistant Principal
Brett Ratzlaff	Assistant Principal
Kristine Boehnke	Lead Counselor
Caleb Rigsby	Counselor
Melissa Tomlinson	Counselor
Jason Roberts	Counselor
LaMonica Mercy	Counselor
Danita Peterman	Counselor
Monica Wolf	College/Career Liaison
Renee McGowen	Counseling Secretary

Midlothian Heritage High School
4000 FM 1387
469-856-5400

Dr. Ketura Madison	Principal
Amanda Brown	Associate Principal- Instruction
James Spradley	Associate Principal- M/O
Jeremy Dearborn	Assistant Principal
Kecia Wright	Assistant Principal
Stacie Bailey	Lead Counselor
Lori Huff	Counselor
Camille Brening	Counselor
Brandi Just	Counselor
Amanda Thomas	College/Career Liaison
Amy Coonrod	Counselor Secretary

The MILE
711 West Avenue I
469-856-5900

Dr. Shannon Blake	Administrator
Caleb Rigsby	Counselor

Midlothian ISD Academic Planning Guide

This Planning Guide is designed to provide students and families with important information for making informed decisions about a student's academic path and graduation options. Families and students should familiarize themselves with graduation and endorsement requirements while working closely with teachers and counselors to help make the best possible course choices.

Graduation Information

Personal Graduation Plan

During the Spring of a student's 8th grade year, counselors will work with students on selecting a Personal Graduation Plan (PGP) that outlines their coursework for high school. This PGP can still be flexible and counselors will continue to meet with students to discuss any changes in future goals, plans, or graduation requirements. See Appendix A for a copy of the PGP.

Foundation High School Program plus Endorsement

Midlothian ISD high school students will complete the Foundation High School Program plus one or more endorsements to earn a diploma. This pathway will best prepare students for college, career, and/or military. Exceptions to this expectation should be determined through an extensive decision making process that includes the student, the student's family, teachers, school administrators, and counselor.

Distinguished Level of Achievement

A student 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). A total of 26 credits. A student must earn this designation to be eligible for Top 10% Automatic Admission to a Texas public university.
The Distinguished Level of Achievement requires:

- A total of four credits in math, including Algebra II;
- A total of four credits in science; and
- Successful completion of an endorsement in your area of interest.

Endorsements

Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area. A high school counselor will help students select appropriate endorsements during 8th grade as a part of their Personal Graduation Plan (PGP).

MISD offers the following endorsements:

- Arts & Humanities
- Business & Industry
- Multidisciplinary
- Public Service
- STEM

For more information related to endorsements, visit the Texas Education Agency (TEA) website and the high school graduation toolkit.

Performance Acknowledgements (earns the white cord for graduation)

Students may earn an additional acknowledgment on their transcripts because of outstanding performance in the following areas:

- Outstanding performance in Dual Credit courses- one of the following categories
  - at least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0
  - an associate degree while in high school.
- Outstanding performance in bilingualism and biliteracy - completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and by completing one of the following:
  - completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100

- demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100
- completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100
- demonstrated proficiency in one or more languages other than English through a score of 3 or higher on a College Board Advanced Placement examination for a language other than English
    - In addition to meeting the requirements of above to earn a performance acknowledgment in bilingualism and biliteracy, an emergent bilingual student must also have:
        - participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and
        - scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

- Outstanding performance on a College Board Advanced Placement test by earning a score of 3 or above on a College Board Advanced Placement examination. O
- Outstanding performance on SAT, ACT, or PSAT by:
    - earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the National Merit Scholarship Corporation or as an awardee of the National Recognition Programs of the College Board
    - earning a composite score of 442 on the ACT AspireTM examination;
    - earning a composite score of 29 on the ACT PreACT® examination;
    - earning a total score of at least 1350 on the SAT®; or
    - earning a composite score on the ACT® examination of 29 (excluding the writing subscore).
- A student may earn a performance acknowledgment on the student's transcript for earning a state recognized or nationally or internationally recognized business or industry certification or license.

Graduation Requirements

MISD students will graduate under the Foundation High School Program with Endorsement which equals to 26 credits. Those 26 credits will include:

SUBJECT AREA	FOUNDATION HIGH SCHOOL PROGRAM PLUS ENDORSEMENT with the option of DISTINGUISHED LEVEL OF ACHIEVEMENT (DLA)			
ENGLISH **4 Credits**	English I	English II	English III	English IV or TEA approved approved alternative
MATH **4 Credits**	Algebra I	Geometry	Advanced Math (Algebra II Required for DLA)	Advanced Math
SCIENCE **4 Credits**	Biology	IPC or Chemistry	Chemistry, Physics or Advanced Science	Advanced Science
SOCIAL STUDIES **4 Credits**	World Geography or Human Geography	World History, African American Studies, or Mexican American Studies	U.S. History	Government/Economics or Personal Financial Literacy and Economics
FINE ARTS **1 Credit**				
WORLD LANGUAGES: LANGUAGES OTHER THAN ENGLISH (LOTE) **2 Credits in the Same Language**				
PHYSICAL EDUCATION **1 Credit**				
ADDITIONAL COURSES TO EARN ENDORSEMENT **6 Credits**				
TOTAL **26 CREDITS**				

EOC Student Assessment Requirements for Graduation

To receive a Texas high school diploma, a student must demonstrate proficiency on the End of Course (EOC) exams in the following subject areas: Algebra I, English I, English II, US History, and Biology.

FAFSA/TAFSA Graduation Requirement

In accordance with Texas Education Code (TEC), §28.0256, each student must do one of the following in order to graduate:

- Complete and submit a Free Application for Federal Student Aid (FAFSA);
- Complete and submit a Texas Application for State Financial Aid (TASFA); or
- Submit a signed opt-out form.

Students and parents will receive information on this process from their high school counselor during the student's senior year.

Community Service Graduation Requirements

All Midlothian students must complete a minimum of **ten** community service hours as a requirement for graduation. Hours must be earned while in high school. Below are the guidelines for obtaining Community Service hours:

1. The student will receive NO pay for services, monetary or otherwise, of any kind.
2. The service completed must benefit a person in need (a non-family member); a non-profit organization or an organization, which assists persons in need; or fulfill a civic need in the community.
3. The service must be performed on the student's own time or as a part of a school sponsored organization in which the sponsor approves and coordinates the service during the school day.
4. The student shall be responsible for reporting his/her own service hours according to the established guidelines. Forms are available in the high school counseling center and the high schools' websites.
5. Students may not overlap (count twice) service hours for other organizations such as Honor Society, PALS, Student Council, etc. Community Service hours that are assigned as a result of a court order will not count toward the district requirement.
6. The only time hours should be accumulated or held is in the case of completing all service hours in one location on a continuous basis.
7. Community service hours required as a result of legal actions do not count.
8. Documentation must be signed by the student, the student's parent, and the adult supervisor of the service activity and are subject to verification by Midlothian Independent School District.
9. Service hours will be entered into the system when the completed community service form is turned into the counseling office.
10. Keep a copy for your own documentation.
11. Students transferring from outside the district will have their hours prorated.

Automatic Admission Requirements

In accordance with Texas Education Code (TEC), §51.803, a student is eligible for automatic admission to a Texas public college or university as an undergraduate student if the student earned a grade point average in the **top 10 percent** of the student's high school graduating class with the exception of the University of Texas at Austin which is currently at top 6 percent; **and** the applicant

(1) earned the distinguished level of achievement under the Foundation High School Program; or
(2) satisfied ACT's College Readiness Benchmarks on the ACT assessment or earned on the SAT assessment a score of at least 1,500 out of 2,400 or the equivalent.

Texas colleges and universities are required to admit an applicant for admission as an undergraduate student if the applicant is the child of a public servant who was killed or sustained a fatal injury in the line of duty and meets the minimum requirements, if any, established by the governing board of the college or university for high school or prior college- level grade point average and performance on standardized tests.

* The University of Texas at Austin (UT) is not required to automatically admit applicants in excess of 75% of its enrollment capacity for first-time resident undergraduate students. Should the number of applicants who qualify for automatic admission exceed 75% of enrollment capacity, UT must provide notice of the percentage of qualified applicants that are anticipated to be offered admission.

State Financial Aid Programs with Curriculum Requirements

Under Texas Education Code (TEC), Title 3, there are several state financial aid programs available for Texas public high school students. The following state financial aid programs include certain curriculum requirements to be considered when planning a student's high school career to ensure eligibility for financial

aid under one of these programs. **Please note that this is not a complete list of requirements and additional eligibility requirements apply.** A full list of requirements is available through the Texas Higher Education Coordinating Board's financial aid webpage at http://www.collegeforalltexans.com/apps/financialaid/tofa2.cfm?ID=458.

Colleges for All Texans
General college enrollment and college financial aid information are cataloged on the following website: http://www.collegeforalltexans.com/index.cfm?ObjectID=32BEF626-C39A-6FF9-08A3BACB4AC04ECFv

TEXAS Grant
The Toward EXcellence, Access, & Success (TEXAS) Grant Program is authorized by TEC Chapter 56, Section 56.302. Information can be found on the following website:
https://reportcenter.highered.texas.gov/agency-publication/guidelines-manuals/texas-grant-fy-2022-guidelines/

Basic Initial Year (IY) Student Eligibility Curriculum Requirements
A student must complete the Foundation High School Program, RHSP, or DAP (or the equivalent).

Priority Model Initial Year (IY) Student Curriculum Eligibility Requirements
In addition to the basic initial year (IY) student eligibility requirements, to receive priority consideration for an IY award through the TEXAS Grant Program, a student must meet at least one requirement in at least two of the four following areas:

AREA	REQUIREMENT(S)
Advanced Academic Program	Earn 12 hours of college credit (dual credit or AP courses), complete the Distinguished Achievement Program (DAP), or complete the International Baccalaureate (IB) Program
TSI Readiness	Meet the Texas Success Initiatives (TSI) assessment thresholds or qualify for an exemption
Class Standing	Graduate in the top one/third of the HS graduating class or have a B average
Advanced Math	Complete at least one math course beyond Algebra II as determined by the Texas Education Agency (TEA) or complete at least one advanced career and technical course, as determined by TEA

A full list of TEXAS Grant eligibility requirements is provided at http://www.collegeforalltexans.com/apps/financialaid/tofa2.cfm?ID=458.

Academic Regulations

Grade Classification

Freshman (9th Grade) ..... 0-5.5 credits
Sophomore (10th Grade) ..... 6 credits
Junior (11th Grade) ..... 13 credits
Senior (12th Grade) ..... 19 credits
Graduation ..... 26 credits

Promotion and Retention

A high school student will be promoted only on the basis of adequate attainment of credit as outlined above in the section Grade Classification. To earn credit in a course, a student must receive a grade of at least 70 based on course-level or grade-level standards. Excessive absences may result in loss of credit (TEC 25.092) even if a passing grade is earned.

Attendance for Credit

The Minimum Attendance for Class Credit Law (Section 25.092) states, "A student may not be given credit for a class unless the student is in attendance for at least 90% of the days the class is offered." A student who is in attendance for at least 75 percent but less than 90 percent of the days a class is offered may be given credit or a final grade for the class if the student completes a plan approved by the school's principal that provides for the student to meet the instructional requirements of the class.

Grade Point Averages

Students will have two types of Grade Point Averages reflected on their Academic Achievement Record (AAR) or transcript: weighted GPA and 4 point GPA. Weighted GPA is used for class rank purposes and includes only courses listed below in the chart labeled "Chapter 74 Courses for Weighted GPA". The 4 point GPA includes all courses taken that count for state graduation credit, including high school courses taken in middle school.

Class Rank

The District shall include in the calculation of class rank only grades earned for high school credit in the following subjects: English, Mathematics, Science, and Social Studies according to TEA Chapter 74(A)(1) as listed below in the chart labeled "Chapter 74 Courses for Weighted GPA". The District shall assign weights to semester grades earned in eligible courses and shall calculate a weighted grade average in accordance with the following:

Level	**Configuration**	**Courses (**English, Mathematics, Science, and Social Studies according to TEA Chapter 74 as listed below)
Advanced	1.15	**Eligible AP courses shall be categorized and weighted as Advanced courses**; weight is calculated at the end of the semester
Honors	1.10	**Eligible Pre-AP, dual credit courses, and courses locally designated as honors shall be categorized and weighted as Honors courses;** weight is calculated at the end of the semester
Regular	1.0	**All other eligible courses shall be categorized and weighted as Regular courses.**

Calculation of Class Rank

Calculation of class rank is based on potential credit for semester grades earned in a course from Ch. 74 listed in the chart of the section labeled "Chapter 74 Courses for Weighted GPA". To calculate the GPA points associated with each semester grade, divide the numerical grade earned by 25, multiply that number by the multiplier for the course level (either 1.0, 1.10, or 1.15). This number will be the GPA points associated with that semester grade. The calculation shall include failing grades.

Preliminary calculation of class rank shall be made available to students by the beginning of their Junior year. Class ranks thereafter will be given to students each semester.

Students must have achieved the Distinguished Level of Achievement to be ranked in the top 10% of the class for automatic admissions eligibility to any public Texas university (except where other limits apply).

Weighted Grade Scales with grade point average equivalencies. - extended chart of grades and GPA equivalent

Below is a chart that provides grade point average equivalencies by 4 point category.

4 Point Grade Scales with Grade Points	
100-90	4.0
89-80	3.0
79-70	2.0
69-60	1.0
59 and below	0

Limitations and Exclusions to Class Rank Calculation

The calculation of class rank shall exclude grades earned in the following:

1. Dual credit courses except those taken with prior written District approval.
2. Courses taken without District approval while enrolled in the District high school.

For more information, see Midlothian ISD Policy Online EIC (Local).

Chapter 74 Courses for Weighted GPA §74.12.2-4

*Only courses listed in this link are calculated in class rank and in weighted GPA

Chapter 74 Courses for Weighted GPA §74.12.2-4

English				
PEIMS #	Course Name	Regular 1.0	Honors 1.10	Advanced 1.15
3220100	English I	X		
3220100	English I Pre-AP		X	
3220200	English II	X		

3220200	English II Pre-AP		X	
03200600	English I for Speakers of Other Languages	X		
03200700	English II for Speakers of Other Languages	X		
3220300	English III	X		
A3220100	AP English III			X
3220300	Dual Credit English III - ENGL 1301/1302		X	
3220400	English IV	X		
A3220200	AP English IV			X
3220400	Dual Credit English IV - ENGL 1301/1302		X	
3220400	Dual Credit English IV - ENGL 2322 & 2323		X	
03221800	Independent Study in English		X	
03221500	Literary Genres	X		
3221200	Creative Writing	X		
03221100	Research & Technical Writing	X		
03221600	Humanities	X		
03241100	Public Speaking III	X		
03240400	Oral Interpretation III	X		
3240800	Debate III	X		
3241200	Independent Study in Speech - Debate IV	X		
03241200	Independent Study in Journalism	X		
03231902	Advanced Broadcast Journalism III	X		
03230160	Advanced Journalism: Newspaper III	X		
03230130	Advanced Journalism: Yearbook III	X		
13011600	Business English	X		
Math				
PEIMS #	Course Name	Regular 1.0	Honors 1.10	Advanced 1.15
3100500	Algebra I	X		
3100700	Geometry	X		

3100700	Geometry Pre-AP		X	
3100600	Algebra II	X		
3100600	Algebra II Pre-AP		X	
3101100	Precalculus	X		
3101100	Precalculus - Pre-AP *For the graduating classes of 2020 and 2021:* *Honors Pre-Cal is weighted at Pre-AP* *Pre-AP Pre-Cal is weighted at AP* *For the 2018-2019 Freshman cohort and thereafter:* *Honors Pre-Cal will become Pre-Cal and will be regular weight* *Pre-AP Pre-Cal will be weighted Pre-AP*		X *cohort specific	X *cohort specific
03102510	Advanced Quantitative Reasoning	X		
3102500	Independent Study in Mathematics		X	
03102520	Discrete Mathematics for Problem Solving	X		
3102540	Algebraic Reasoning	X		
03102530	Statistics	X		
A3100200	AP Statistics			X
A3100101	AP Calculus AB			X
A3580110	AP Computer Science A			X
13036700	Engineering Mathematics	X		
13016900	Statistics & Business Decision Making	X		
13020970	Mathematics for Medical Professionals	X		
03580370	Discrete Mathematics for Computer Science	X		
03102530	Dual Credit Algebra - MATH 1314		X	
03102530	Dual Credit Statistics - MATH 2342		X	
3102400	Mathematical Models with Applications	X		
13001000	Mathematical Applications in Ag, Food & Natural Resources	X		
13037600	Digital Electronics	X		
03580395	Robotics Programming and Design	X		
13018000	Financial Mathematics	X		

12701410	Applied Mathematics for Technical Professionals	X		
13016700	Accounting II	X		
13032950	Manufacturing Engineering Technology II	X		
13037050	Robotics II	X		
Science				
PEIMS #	Course Name	Regular 1.0	Honors 1.10	Advanced 1.15
3010200	Biology	X		
3010200	Biology Pre-AP		X	
3060201	Integrated Physics and Chemistry	X		
3040000	Chemistry	X		patho
3040000	Chemistry Pre-AP		X	
3050000	Physics	X		
3050000	Physics Pre-AP		X	
3030000	Aquatic Science	X		
3060100	Astronomy	X		
3060200	Earth & Space Science	X		
03020000	Environmental Systems	X		
A3020000	AP Environmental Science			X
A3010200	AP Biology			X
A3040000	AP Chemistry			X
A3050003	AP Physics			X
13000700	Advanced Animal Science	X		
13002100	Advanced Plant and Soil Science	X		
13020500	Anatomy & Physiology	X		
13020600	Dual Credit Anatomy & Physiology - BIOL 2401/2402		X	
13020700	Medical Microbiology	X		
13020800	Pathophysiology	X		
13023000	Food Science	X		

13029500	Forensic Science	X		
13036400	Biotechnology I	X		
13036450	Biotechnology II	X		
13037100	Principles of Technology	X		
13037200	Scientific Research & Design	X		
13037300	Engineering Design & Problem Solving	X		
13037500	Engineering Science	X		
13037200	Dual Credit Biology BIOL 1408/1409		X	
Social Studies				
PEIMS #	Course Name	Regular 1.0	Honors 1.10	Advanced 1.15
3340400	World History	X		
A3370100	AP World History			X
3320100	World Geography	X		
3320100	World Geography Pre-AP		X	
A3360100	AP Human Geography			X
3340100	US History	X		
A3340100	AP US History			X
3340100	Dual Credit US History		X	
3330100	US Government	X		
A3330100	AP US Government			X
3330100	Dual Credit US Government GOVT 2305		X	
3310300	Economics	X		
A3310200	AP Economics			X
3310300	Dual Credit Economics ECON 2301		X	

Program Opportunities

Career and Technical Education (CTE)
Midlothian ISD Career and Technical Education provides competency-based applied learning that contributes to academic knowledge, higher order thinking skills, problem-solving skills, work attitudes, general employability skills, and occupationally specific skills needed for success in the workplace or in post-secondary education. Students have the opportunity to travel to the MILE for upper level and practicum courses for certain CTE pathways.

TSTC and Dual Enrollment
Midlothian ISD partners with Texas State Technical College in Red Oak in order to offer selected CTE courses. Students would earn college credit while completing state elective courses that meet high school graduation requirements. Enrollment procedures include selection of courses through the high school campus as well as providing a high school transcript and shot records required by TSTC. Pathways offered to students include: Industrial Systems Mechanic Electrical Pathway, HVAC Technician Pathway, and Diesel Equipment Technology. For full course information, including sequence and prerequisites, visit the academic course offerings section of this document. Dual enrollment courses through TSTC are offered at a reduced rate. Books and supplies may be an additional cost to the student. Midlothian ISD will provide transportation for students to the TSTC campus. Course offerings are subject to change due to factors such as low student interest in a pathway or scheduling conflicts with the student's high school based on the student's required courses for high school graduation.

Navarro College Cosmetology
MISD partners with Navarro College to provide an opportunity for our students to pursue a certification in Cosmetology. Enrollment procedures include selection of courses through the high school campus as well as providing a high school transcript and shot records required by Navarro College. Dual enrollment courses through Navarro are offered at a reduced rate. Books and supplies may be an additional cost to the student. Midlothian ISD will provide transportation for students to the Navarro campus. Course offerings are subject to change due to factors such as low student interest in a pathway or scheduling conflicts with the student's high school based on the student's required courses for high school graduation.

Fine Arts
Students who have talents and interests in fine arts programs will find a variety of programs of study to meet their needs. Midlothian ISD provides a diverse selection of visual and performing arts opportunities, including a range of courses in art, band, choir, dance, and theatre arts. Some courses within the MISD fine arts programs require audition and selection prior to registration for the class.

Advanced Academics

College Board Advanced Placement (AP) and Pre-Advanced Placement (Pre-AP)
Advanced Placement courses are designed for highly motivated students. Courses are taught with a rigorous college level curriculum utilizing materials provided by the College Board. Enrollment in these courses should be based on interest as well as ability since the curriculum requires more advanced and intensive work. There are no summer assignments or requirements for Pre-AP or Advanced Placement courses. Per MISD policy, students taking AP courses are required to take the AP exam at the end of the course. Earning a score of 3 or higher on an Advanced Placement exam may provide the student with college credit for that course.

Dual Credit (DC) and Concurrent Enrollment
Midlothian Independent School District and Navarro College have created a partnership to offer high school students educational programs and courses. Qualified students may be dually enrolled at MHS or MHHS and Navarro College. Students **MUST** meet the college readiness requirements as well as the Midlothian ISD standards to enroll (see below). Dual credit courses have the same requirements and expectations as those

taught on any Navarro College campus. Students may take any combination of dual credit course offerings as long as the student is advised by the high school counselor to ensure prerequisites are met as well as college readiness requirements. Interested students should set up an appointment with a counselor to determine dual credit eligibility.

Students participating in dual credit and/or concurrent enrollment programs may receive high school as well as college credit for courses taken at the Navarro College campus during the summer, in the evenings, or in mini-mesters. However, students **must have approval** from their high school **prior** to taking these courses. Students enrolled in either approved concurrent courses or approved dual credit courses will earn college credit and will have an official college transcript reflecting the work completed through Navarro College.

Associate Degree Program

Eligible high achieving Midlothian ISD students have an opportunity to graduate from high school with a high school diploma AND an Associate's Degree from Navarro College. Students wishing to begin the associate degree program should start coursework in the 9th grade in order to effectively complete all requirements for both the associate degree and high school graduation requirements. Interested students should complete higher education admission requirements in the spring of their eighth grade year at their PGP meeting. Students must satisfactorily complete all MISD dual credit enrollment procedures outlined in the following sections.
Students may opt to attend summer classes at Navarro College in order to take other courses that meet the student's needs. It is critical that students seek guidance from their high school counselor prior to taking summer classes at the college. It is recommended that summer courses at Navarro not be taken until after the student completes his/her sophomore year. Failure to follow high school and college counseling recommendations can cause a student to risk not graduating on time with the degree/diploma. Course offerings may vary by campus and are subject to change in order to meet staffing, space, class size requirements and requirements of the THECB (Texas Higher Education Coordinating Board).

Core Complete

Core complete courses are a set of courses in the Texas Common Course Numbering System equal to 42 hours. The Texas Common Course Numbering System (TCCNS) is a voluntary, co-operative effort among 139 Texas community colleges and universities to facilitate transfer of freshman and sophomore level general academic coursework. TCCNS provides a shared, uniform set of course designations for students and their advisors to use in determining both course equivalency and degree applicability of transfer credit on a statewide basis. When students transfer between two participating TCCNS institutions, a course taken at the sending institution transfers as the course carrying the same TCCNS designation at the receiving institution.

Students wishing to seek completion of the core complete should express interest to the high school counselor so he/she can effectively advise the student to create a plan of coursework that will accomplish successful completion of both high school graduation requirements and core complete courses.

If a student is unsure if they should choose an Associate Degree or to be Core Complete check out this link for more information.

Navarro Dual Credit Enrollment Requirements

As part of the Student Success Initiative, Texas state law requires that students be tested in the areas of reading, writing, and mathematics prior to enrolling in college courses. Listed below are acceptable dual credit admission tests for dual credit students set by the Texas Higher Education Coordinating Board.

Navarro College Dual Credit Testing Requirements

Test	Score Explanation/Requirements
STAAR End-of-Course (EOC)	An English II EOC score of 4000 or higher shall waive for both the reading and writing sections of the TSI Assessment. An Algebra I EOC score of 4000 or higher and a passing grade in Algebra II shall waive for the mathematics section of the TSI Assessment.

PSAT/NMSQT	Minimum score of 510 on the math section and a minimum score of 460 on the Evidence-Based Reading and Writing (EBRW) test shall waive the TSI Assessment relevant to the courses to be attempted. (No combined score required).
ACT-ASPIRE	A scale score of 435 in English shall waive for both the reading and writing sections of the TSI Assessment. A scale score of 431 in Math shall waive for the math section of the TSI Assessment.
TSI Assessment	**TSIA 2.0** ***(New TSI Assessment: Beginning January 11, 2021)*** **TSIA 2 Math College Ready Scores:** CRC 950-990 or CRC 910-949 **AND** Diagnostic Level 6 **TSIA 2 ELAR College Ready Scores:** CRC 945-990 **AND** Essay 5-8 or CRC 910-944 **AND** Diagnostic Level 5 – 6 **AND** Essay 5-8
ACT	A composite score of 23 with a minimum of 19 on the English test shall be exempt for both the reading and writing sections of the TSI Assessment, and/or 19 on the mathematics test shall be exempt for the mathematics section of the TSI Assessment.
SAT	A minimum score of 480 on the Evidenced-Based Reading and Writing (EBRW) test shall be exempt for both reading and writing sections of the TSI Assessment; a minimum score of 530 on the mathematics test shall be exempt for th e mathematics section of the TSI Assessment. *There is no combined score.*
STAAR End-of-Course (EOC)	An English III EOC score of 4000 or higher exempt for both the reading and writing sections of the TSI Assessment. An Algebra II EOC score of 4000 or higher exempt for the mathematics section of the TSI Assessment.

❖Students that have not met the acceptable dual credit tests (listed above) must take a College Placement Exam (TSI Assessme nt). Students who are exempt from one part of the placement test will be required to take the TSI Assessment in the other areas prior to enrolling for related college courses. ***(NOTE: 9th & 10th grade students are required to take the TSI Assessment and be college ready in writing and reading prior to enrollment approval.)***

Enrollment in Navarro College and Deadlines for Dual Credit

All proper applications and enrollment paperwork must be completed online before a student will be officially enrolled in a dual credit course at a Midlothian ISD high school. Please check with campus counselors for specific deadlines. There will be exceptions to this date for students that enroll in MISD after the deadline and these students will need to see their school counselor for further instructions.
Enrollment steps include:
1. Apply Texas Application & acceptance to Navarro College
2. Qualifying test scores
3. Completion of online dual credit enrollment form (including online parent permission form)
4. Payment of tuition. Tuition is set by the college and is subject to increase at the college's discretion and without notification of the school district. MISD dual credit students are charged a reduced dual credit tuition rate for fall and spring semester courses.

For more information, please visit Navarro College's Dual Credit page.

Gifted and Talented Program (GT)

Students who are identified for GT services can choose to take Honors, Pre-AP or AP classes if they meet the recommended prerequisites. Teachers will differentiate the curriculum to meet the needs of their identified GT students.

Credit Recovery, Acceleration Options, Free Periods

Texas First Diploma

Senate Bill 1888, 87th Texas Legislature, Regular Session, 2021, added Texas Education Code §28.0253, which establishes the Texas First Early High School Completion Program to allow public high school students who demonstrate early readiness for college to graduate early from high school.
The purpose of the Texas First Early High School Completion Program, in conjunction with the Texas First Scholarship Program (Texas Education Code, Chapter 56, Subchapter K-1), is to promote efficiency in the state public education system and incentivize the enrollment of high performing students at eligible institutions within the state of Texas.

Texas First Diploma Info Flyer

Early Graduation Requirements

Students must apply for early graduation no later than 1 semester prior to the year they wish to graduate.

EX: A 10th grader wanting to graduate a full year early must apply in the Spring of their Sophomore year. A Junior wanting to graduate in December of with Senior Year must apply in the Spring of their 11th grade year.

Applicants should obtain credit verification with a counselor to formalize the student's plan for early graduation. This may include students needing to purchase courses during the summer or school year. (Midlothian ISD does not currently offer Summer School for Advancement). Students may not graduate early without an endorsement and 26 credits.

Parent and Principal approval are required. Students meeting graduation requirements before the scheduled graduation ceremonies may participate in the ceremonies.

Courses for Credit Through Texas Virtual School Network or TxVSN

Before consideration of taking a course through TxVSN can be made, students must see their counselor for eligibility for enrollment and complete the requirement documents. The Texas Virtual School Network (TxVSN) has been established as a method of distance learning that is networked throughout the state. Students may enroll in a TxVSN course to earn credit towards graduation. Enrollment requires payment of tuition, usually about $250-$400 per semester (subject to the TXVSN's pricing per course), and the courses offered are subject to the UIL provision "no pass, no play" rule. Grades earned in TxVSN classes are figured into the student's GPA according to EIC local. Student athletes seeking to play at the collegiate level must understand that the NCAA may not accept the course. Additionally, a student who enrolls in a TxVSN course for which an end-of-course (EOC) assessment is required, the student must take the EOC and the requirements related to the incorporation of the EOC score into the student's final course grade for graduation still apply.

Credit by Exam (CBE) For Credit Recovery

A student who has received prior instruction in a course but did not receive credit for it may be permitted to earn credit by passing an exam on the essential knowledge and skills defined for the course. To receive credit, a student must score at least 70 on the exam. The district administration will determine whether any opportunity for credit by exam will be offered. Exams are from Texas Tech and students are responsible for all fees. Students must talk to their counselors prior to this order. The Credit by Exam option for gaining credit is NOT available for students who lost credit due to excessive absences.

Credit by Exam (CBE) For Original Credit

A student will be permitted to take an exam to earn credit for an academic course for which the student has no prior instruction for the purpose of academic acceleration. Students are required to complete an application and will have to test during a specific testing window. The CBE results will be included in the student's weighted GPA if the course is listed in the Ch. 74 chart in this document. CBE tests are given during

specific testing windows. When a student seeks to gain credit by exam without prior instruction in the course, a student must make an 80 or higher on each exam. Please refer to the MISD Acceleration Regulations for more information and application for acceleration.

LEAP Academy

The Midlothian ISD LEAP Academy's mission is to help students maximize their potential by providing an individualized, diverse learning environment empowering them to succeed. LEAP Academy is a non-traditional setting in which students work at an accelerated pace to complete courses for graduation. All students must meet the same academic and STAAR (EOC) requirements as other secondary school students. It is important to note that all students who complete their senior year through LEAP Academy will receive their high school diploma through MISD, and have the option to walk at the traditional graduation ceremony. Students seeking acceleration in regaining credits or who wish to pursue a nontraditional pathway to graduation may apply to become a LEAP Academy student.

Free periods-

Free periods are only allowed for **Seniors** who are in good academic standing. Students must pass courses during the semester they are enrolled in a Free period or students will lose this privilege in order to stay on track for graduation credit requirements.
Eligibility requirements are:

- **MUST HAVE TRANSPORTATION**
- **LEAVE CAMPUS**
- **ON-TRACK FOR GRADUATION**
- **NO EDGENUITY**
- **GOOD STANDING WITH ATTENDANCE,**
- **CCMR POINT Seniors who have not yet earned their College, Career, and Military Readiness point will not be eligible for 2 Free periods.**

  Students may earn their CCMR point by:

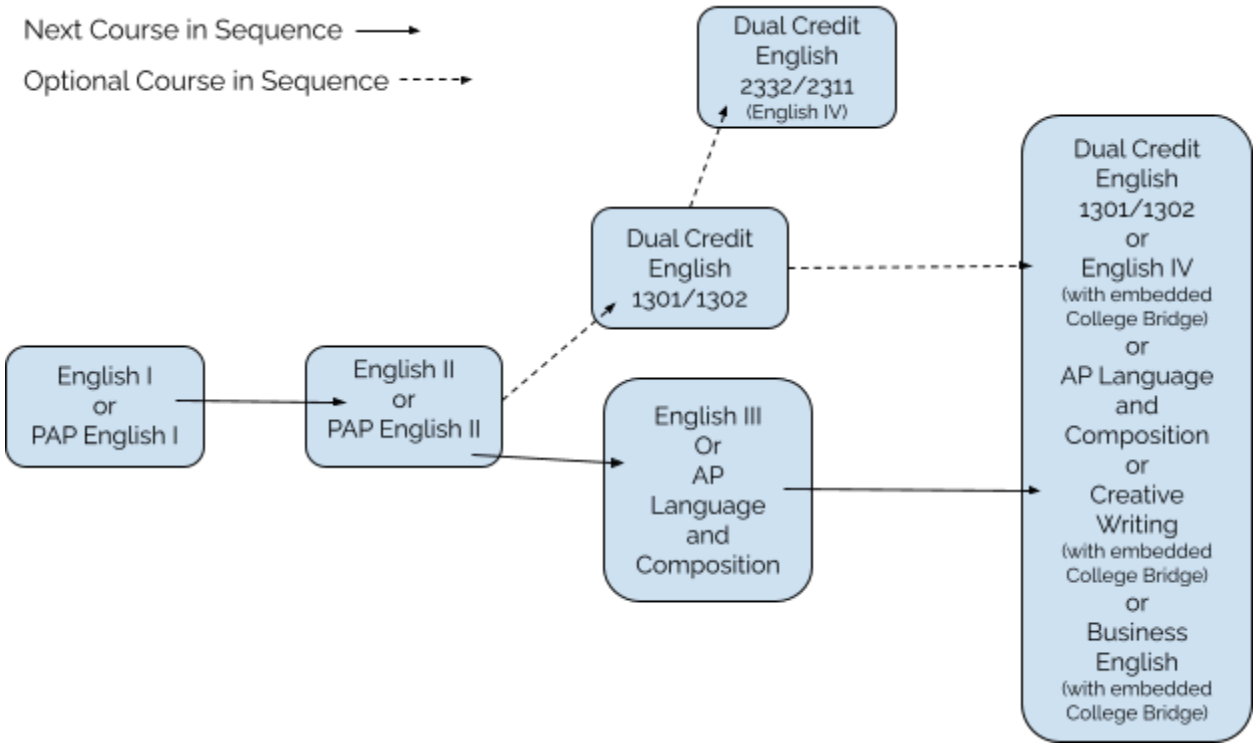
  - being TSI compliant
  - scoring 19 on both ACT English and Math sections
  - SAT score of 480 on English/Writing and 530 on Math
  - scoring a 3 or above on an AP exam
  - completing 9 hours of college English/Math course work
  - completing an Industry Certification through Practicum in a Pathway

Academic Course Offerings

English Course Sequence

Course Sequence for English Language Arts
All students must earn **four** credits in English to graduate on any graduation plan. MISD offers several options for earning additional English credits for graduation.

Students who are seeking more challenging options in English should consider Dual Credit, Pre-AP, and Advanced Placement courses. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.



English Courses

ENGLISH I
Course: 1000 | PEIMS: 3220100
***Grade Placement**: 9* ***Length of course:** Year* ***Prerequisite:** None*
***What's Next:** English II*
***Level Down:** None* ***Credits:** 1* ***Weighted GPA:** Yes* ***Weight:** 1.0*
***State Requirement:** Yes, including End of Course State Test*

English I offers an integrated approach to a variety of literature (poetry, drama, novels, short stories, and nonfiction) through which students apply language skills orally and in writing with an emphasis on the development of multi-paragraph writing, analysis of literature and introduction to the research process.

PRE-AP ENGLISH I
Course: 1100 | PEIMS: 3220100
***Grade Placement:** 9* ***Length of course:** Year* ***Prerequisite:** None*
***What's Next:** English II or PAP English II*
***Level Down**: English I* ***Credits:** 1* ***Weighted GPA:** 1* ***Weight:** 1.10*
***State Requirement:** English I is required, including End of Course State Test, PAP English I is a substitute*

Pre-AP English I provides in-depth studies of thematic literary units that combine poetry, drama, novels, short stories, and nonfiction. Higher-order thinking skills are stressed as students express themselves critically and creatively both orally and in writing. Motivation and an appreciation for literature are needed to be successful in this Pre-AP course, as students must extend their efforts to think critically, be creative, and spend quality time on assignments, both in and outside of class.

ENGLISH II
Course: 1002 | PEIMS: 3220200
***Grade Placement:** 10* ***Length of course:** Year* ***Prerequisite:** English I, Pre-AP English I*
***What's Next:** English III or AP English Language and Composition or College English 1301/1302*
***Level Down:** None* ***Credits**: 1* ***Weighted GPA:** Yes* ***Weight:** 1.0*
***State Requirement:** Yes, including End of Course State Test*

This comprehensive course focuses on analyzing selected works of world literature in fiction, nonfiction, poetry, and drama, integrating
grammar, composition, and vocabulary skills with rich reading experiences. English II provides opportunities in both oral and written discourse.

PRE-AP ENGLISH II
Course: 1102 | PEIMS: 3220200
***Grade Placement:** 10* ***Length of course:** Year* ***Prerequisite:** English I, Pre-AP English I*
***What's Next:** English III or AP English Language and Composition or College English 1301/1302*
***Level Down:** English II* ***Credits:** 1* ***Weighted GPA:** Yes* ***Weight:** 1.10*
***State Requirement:** English II is required, including End of Course State Test, PAP English II is a substitute*

Stretching students' reading, writing, listening, speaking, and thinking skills, this in-depth study of world literature emphasizes critical and creative responses to works of fiction, nonfiction, poetry, and drama as it concurrently provides occasions and audiences for all types of expository discourse. Motivation and desire to reach a higher level of critical analysis of literature are needed to be successful in this Pre-AP class.

ENGLISH III
Course: 1004 | PEIMS: 3220300
Grade Placement: *11* ***Length of course****: Year* ***Prerequisite:*** *English II, Pre-AP English II*
What's Next: *English IV or AP English Literature or College English 1301/1302 or Creative Writing or Business English*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *Yes*

Through representative readings from historical documents, essays, dramas, short stories, poetry, and novels, this course provides a survey of American literature that integrates the studies of grammar and vocabulary in meaningful writing experiences that stem from the core readings. A focal point of English III is the research project, a requirement that gives students firsthand experience at synthesizing information from a variety of sources.

AP ENGLISH III: ENGLISH LANGUAGE AND COMPOSITION
Course: 1200 | PEIMS: A3220100
Grade Placement: *11* ***Length of course****: Year* ***Prerequisite:*** *English II, Pre-AP English II*
What's Next: *English IV or AP English Literature or College English 1301/1302 or Creative Writing or Business English*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *English III is required, AP English Language and Composition is a substitute*

The rigor of this course is equivalent to a college level class, which prepares students to complete the A. P. Language and Composition Examination in May. This course emphasizes the development and the application of extensive critical reading, writing, and thinking skills. Students will read, analyze, synthesize, and evaluate selected examples of American and English prose and poetry, focusing on nonfiction argumentation and stylistic and rhetorical strategies. Requirements include reading American literature from the AP suggested reading list and writing critical, analytical essays. Motivation and a desire to reach a higher level in critical analysis of literature are needed to be successful in this course. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

COLLEGE ENGLISH III: ENGL 1301/1302 COMP AND RHETORIC I & II
Course: DC1304 | PEIMS: 3220300
Grade Placement: *11 or 12* ***Length of course:*** *Year, two college semesters paired together for year long course; equals 3 college hours per semester for a total of 6*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline.English II or Pre-AP English II*
What's Next: *English IV or AP English Literature or College English 2332/2311 or Creative Writing or Business English*
Level Down: *English III* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *English III is required, College English is a substitute*

This course includes study of grammatical and rhetorical principles as applied in written composition; study of nature and function of language; and study of rhetorical modes such as description, narration, process, comparison, contrast, definition, classification, persuasion, argument, and critical review. Students will register and pay tuition to Navarro College and buy books for the class. Extensive outside reading and writing are required. Upon successful completion of this course, students dually earn their high school English III credit and six hours of college English credit that can be transferred to many colleges and universities. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

ENGLISH IV
Course: 1005 | PEIMS: 3220400
Grade Placement: *12* ***Length of course:*** *Year* ***Prerequisite:*** *English III or AP English III*
What's Next: *Graduation, if all requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *Yes*
This integrated study of English literature, composition, grammar, and vocabulary reinforces the critical reading and writing skills essential for college entrance. The course affords senior students opportunities to connect America's British roots to their contemporary world through various reading, writing, listening, speaking, and thinking activities.

AP ENGLISH IV - ENGLISH LITERATURE AND COMPOSITION
Course: 1201 | PEIMS: A3220200
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisite: *English III or AP English III or College English 1301/1302*
What's Next: *Graduation, if all requirements are met*
Level Down: *English IV* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *English III is required, AP English Literature and Composition is a substitute*

An intensive study of selected world and British literature, this course encourages seniors to make reading and writing connections that reinforce their analysis, application, and synthesis skills as they explore the human experience. A vast array of oral and written activities prepares the students for success on the AP Exam in English Literature and Composition given by the College Board in May for advanced college placement and/or credit. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

COLLEGE ENGLISH IV: ENGL 1301 & 1302 COMP AND RHETORIC I & II
Course: DC1306 | PEIMS: 3220400
Grade Placement: *12* ***Length of course:*** *Year, two college semesters paired together for year long course; equals 3 college hours per semester for a total of 6*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline.English II or Pre-AP English II*
What's Next: *Graduation, if all requirements are met*
Level Down: *English IV* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *English IV is required, College English is a substitute*

Please see description above for dual credit English III 1301-1302 Comp and Rhetoric. High School credit will be for English IV for seniors taking this course with adjustments made in content to cover the TEKS for English IV such as British and world literature. Upon successful completion of this course, students dually earn their high school English IV credit and six hours of college English credit that can be transferred to many colleges and universities. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

COLLEGE ENGLISH IV: ENGL 2332 WORLD LITERATURE
Course: DC1305 | PEIMS: 3220400
Grade Placement: *12* ***Length of course:*** *Year, two college semesters paired together for year long course; equals 3 college hours per semester for a total of 6, paired with College English 2311,*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline, College English 1301/1302*
What's Next: *Graduation, if all requirements are met*
Level Down: *English IV* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *English IV is required, College English is a substitute*

A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: ENGL 1301 and 1302.

COLLEGE ENGLISH IV: ENGL 2311 TECHNICAL AND BUSINESS WRITING
Course: DC1310 | PEIMS: 3220400
Grade Placement: *12* ***Length of course: Length of course:*** *Year, two college semesters paired together for year long course; equals 3 college hours per semester for a total of 6, paired with College English 2332,*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline, College English 1301/1302*
What's Next: *Graduation, if all requirements are met*
Level Down: *English IV* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *English IV is required, College English is a substitute*

Intensive study of and practice in professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals, reports, instructions, policies and procedures, email messages, letters and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents.

CREATIVE WRITING
Course: 1007 | PEIMS: 3221200
Grade Placement: *12* ***Length of course:*** *Year* ***Prerequisite:*** *English III or AP English III*
What's Next: *Graduation, if all requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *English IV is required, Creative Writing is a substitute*

Creative Writing, a rigorous composition course, asks high school students to 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, develop peer and self-assessments for effective writing, and self-assessments for effective writing, and set their own goals as writers.

BUSINESS ENGLISH
Course: 8306 | PEIMS: 13011600
Grade Placement: *12* ***Length of course:*** *Year* ***Prerequisite:*** *English III or AP English III*
What's Next: *Graduation, if all requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *English IV is required, Business English is a substitute*

In Business English, students enhance communication and research skills by applying them to the business environment, in addition to exchanging information and producing properly formatted business documents using emerging technology.

English Electives

BUSINESS ENGLISH
Course: 8306 | PEIMS: 13011600
Grade Placement: *12* ***Length of course:*** *Year* ***Prerequisite:*** *English III or AP English III*
What's Next: *Graduation, if all requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *English IV is required, Business English is a substitute*

In Business English, students enhance communication and research skills by applying them to the business environment, in addition to exchanging information and producing properly formatted business documents using emerging technology.

CREATIVE WRITING
Course: 1007 | PEIMS: 3221200
Grade Placement: *12* ***Length of course:*** *Year* ***Prerequisite:*** *English III or AP English III*
What's Next: *Graduation, if all requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *English IV is required, Creative Writing is a substitute*

Creative Writing, a rigorous composition course, asks high school students to 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, develop peer and self-assessments for effective writing, and self-assessments for effective writing, and set their own goals as writers.

COLLEGE PREPARATORY COURSE ELAR (Texas College Bridge)
Course: 9806 | PEIMS: CP110100
Grade Placement: *12* ***Length of course:*** *upon student completion* ***Prerequisite:*** *none part of an English IV course*
What's Next: *Graduation, if all requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *CCMR requirement for graduation unless CCMR has been met through another pathway*

This class helps students get ready for college level coursework in reading and writing and prepares them for the Texas Success Initiative (TSI) exam, which Texas public colleges and universities use to access college readiness. Incoming seniors who do not meet college ready benchmarks for Reading on EOC, PSAT and/or SAT may be placed. This course is embedded in English IV, Creative Writing, and Business English courses.

DEBATE I
Course: 1039 | PEIMS: 3240600
Grade Placement: 9-12 ***Length of course:*** *Year* ***Prerequisite:*** *None*
What's Next: *Debate II*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course involves attendance at weekend debate tournaments. Course is an introduction to debate skills including analysis, logical and critical thinking, case construction, and speaking skills. Includes Cross Examination, debate and Lincoln Douglas debate in preparation for competition. Debate students are required to participate in tournaments, which are usually held on the weekends.

DEBATE II
Course: 1040 | PEIMS: 3240700
Grade Placement: 10-12 ***Length of course:*** *Year* ***Prerequisite:*** *None*
What's Next: *Debate III*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course involves attendance at weekend debate tournaments. Course is an introduction to debate skills including analysis, logical and critical thinking, case construction, and speaking skills. Includes Cross Examination, debate and Lincoln Douglas debate in preparation for competition. Debate students are required to participate in tournaments, which are usually held on the weekends.

DEBATE III
Course: 1041 | PEIMS: 3240800
Grade Placement: 11-12 ***Length of course:*** *Year* ***Prerequisite:*** *None*
What's Next: *Debate IV*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but can take the place of English IV*

This course involves attendance at weekend debate tournaments. Course is an introduction to debate skills including analysis, logical and critical thinking, case construction, and speaking skills. Includes Cross Examination, debate and Lincoln Douglas debate in preparation for competition. Debate students are required to participate in tournaments, which are usually held on the weekends.

INDEPENDENT STUDIES IN SPEECH - DEBATE IV
Course: 1045 | PEIMS: 3241200
Grade Placement: 11-12 ***Length of course:*** *Year* ***Prerequisite:*** *Debate III*
What's Next: *Graduation, if all requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but can take the place of English IV*

This course involves attendance at weekend debate tournaments. Course is an introduction to debate skills including analysis, logical and critical thinking, case construction, and speaking skills. Includes Cross Examination, debate and Lincoln Douglas debate in preparation for competition. Debate students are required to participate in tournaments, which are usually held on the weekends.

ADVANCED JOURNALISM: YEARBOOK I
Course: 1020 | PEIMS: 03230110
Grade Placement: 9-12 ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *Advanced Journalism: Yearbook II*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course includes the study and application of the elements and processes of developing and producing the school yearbook. Students are expected to attend a summer workshop.

ADVANCED JOURNALISM: YEARBOOK II
Course: 1021 | PEIMS: 03230120
Grade Placement: 10-12 ***Length of course:*** *Year*

Prerequisite: *Advanced Journalism: Yearbook I*
What's Next: *Advanced Journalism: Yearbook III*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course includes the study and application of the elements and processes of developing and producing the school yearbook. Students are expected to attend a summer workshop.

ADVANCED JOURNALISM: YEARBOOK III
Course: 1022 | PEIMS: 03230130
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisite: *Advanced Journalism: Yearbook II*
What's Next: *Independent Studies in Journalism (Yearbook IV)*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No*

This course includes the study and application of the elements and processes of developing and producing the school yearbook. Students are expected to attend a summer workshop.

INDEPENDENT STUDIES IN JOURNALISM (1ST TIME TAKEN)
Course: 1022 | PEIMS: 03231000
Grade Placement: 12 ***Length of course:*** *Year*
Prerequisite: *Advanced Journalism: Yearbook III*
What's Next:
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No*

This course includes the study and application of the elements and processes of developing and producing the school yearbook. Students are expected to attend a summer workshop.

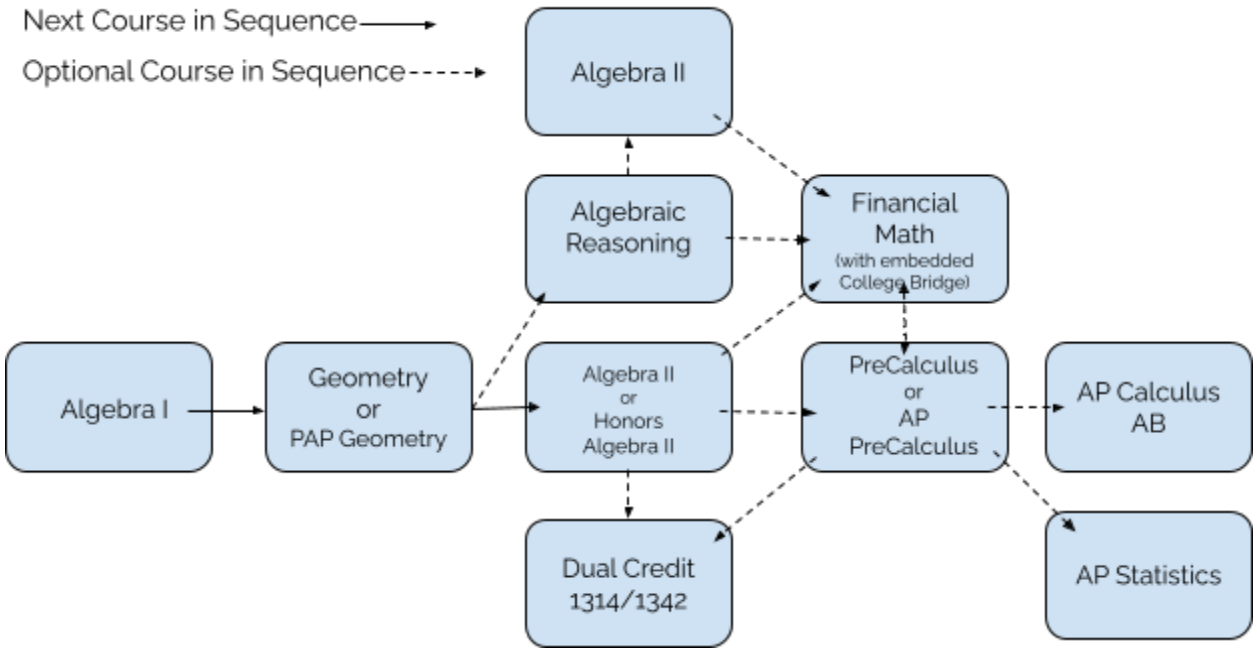
Mathematics Course Sequence

COURSE SEQUENCE IN MATHEMATICS
The study of mathematics is more sequential than almost any other subject area studied in high school. The Texas Education Code requires all students to have earned credit for Algebra I before enrolling in any other high school math course. Because of the sequential nature of mathematical facts and concepts, it is imperative that students and parents understand the importance of the Algebra I requirement and other math prerequisites. A student should successfully complete each prerequisite before enrolling in a subsequent mathematics course.

Students who earned credit for Algebra I in grade eight must complete three additional credits of mathematics on the Midlothian high school campuses during grades nine through twelve. In order to graduate with the Distinguished Level of Achievement diploma, these students will need four full years of high school math credit, and they must have completed Algebra II.

Students who seek to take more challenging courses in mathematics should consider taking Dual Credit, PreAP, and AP courses. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

COLLEGE ENTRANCE REQUIREMENTS RELATED TO MATHEMATICS
In the area of mathematics, college entrance requirements vary. Some universities require that the student have high school credit in Algebra I, Geometry, Algebra II, and Precalculus. Others require that students have credits in Algebra I, Geometry, and Algebra II. Students should check their identified college(s) to ensure they take the math courses required for admission along with meeting high school graduation requirements. As students become more definite about the college/university they will attend, students should check current admission requirements for mathematics, both for general admission purposes and for the degree they intend to pursue.



Mathematics Courses

ALGEBRA I
Course: 2000 | PEIMS: 3100500
Grade Placement: 9 ***Length of course:*** *Year* ***Prerequisite:*** *None*
What's Next: *Geometry*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *Yes, including End of Course State Test*

A student may not be enrolled in another math course until credit has been earned for Algebra I, according to TEC Chapter 74.11(j) and Chapter 74.71(k).

Algebra is a course in which students develop algebraic thinking and symbolic reasoning skills. Students study relationships among quantities, with an emphasis on linear, quadratic, and exponential functions. Students will learn to use a variety of representations (concrete, numerical, algorithmic, and graphical) to represent meaningful mathematical situations. A strong foundation in eighth grade math is essential to success in Algebra I.

GEOMETRY
Course: 2003 | PEIMS: 3100700
Grade Placement: 10-12 ***Length of course:*** *Year*
Prerequisite: *Algebra I, can be taken concurrently with Algebra I but must be approved*
What's Next: *Algebra II*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *Yes*

Students develop spatial reasoning and geometric thinking skills in Geometry. Students will analyze geometric figures, both two- and three-dimensional, and their properties. Students will apply concepts of congruence, similarity, and measurement in problem solving.

PRE-AP GEOMETRY
Course: 2101 | PEIMS: 3100700
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisite: *Algebra I, can be taken concurrently with Algebra I but must be approved*
What's Next: *Algebra II or Honors Algebra II*
Level Down: *Geometry* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *Geometry is required, PAP Geometry is a substitute*

Students in Pre-AP Geometry require a very strong Algebra I background. They will study the geometry topics in more depth and/or at an accelerated pace. This allows for a more extensive study of the axioms and theorems. Students will further analyze geometric relationships, verify conjectures and justify statements in proofs.

MATHEMATICAL MODELS WITH APPLICATIONS
Course: 2005 | PEIMS: 3102400
Grade Placement: 10-12 ***Length of course:*** *Year*
Prerequisite: *Algebra I* ***What's Next:*** *Algebra II*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Math credits*

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. This mathematics course provides a path for students to succeed in

Algebra II and prepares them for various post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems.

ALGEBRAIC REASONING
Course: 2012 | PEIMS: 3102540
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisite: *Geometry* ***What's Next:*** *Algebra II*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Math credits*

Algebraic Reasoning is intended to strengthen students' understanding of algebraic concepts in preparation for Algebra II. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build workforce and college readiness.

ALGEBRA II
Course: 2002 | PEIMS: 3100600
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisite: *Geometry or PAP Geometry*
What's Next: *PreCalculus, College Math 1314/1342, or Financial Math*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Math credits*

Algebra II requires a strong background in Algebra I. An in-depth study of functions, including linear, quadratic, exponential, logarithmic, rational, and radical, provides students with a means for analyzing and understanding a broad variety of relationships in meaningful contexts. It is recommended that each student have home access to a graphing calculator to complete homework assignments since a calculator is provided only for classroom use.

HONORS ALGEBRA II
Course: 2100 | PEIMS: 3100600
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisite: *Geometry or PAP Geometry*
What's Next: *PreCalculus, AP PreCalculus, College Math 1314/1342, or Financial Math*
Level Down: *Algebra II* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *No, but meets state requirement towards Math credits*

In addition to the topics in Algebra II being studied in more depth and/or at an accelerated pace, the student will begin the study of Pre-Calculus, allowing for a more extensive study of matrices, sequences and series, and probability. This is a rigorous course and requires daily homework and study. Because the graphing calculator is used extensively, it is recommended that each student have access to a graphing calculator to complete homework assignments.

FINANCIAL MATHEMATICS
Course: 8508 | PEIMS: 13018000
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisite: *Geometry or PAP Geometry*
What's Next: *PreCalculus, AP PreCalculus, College Math 1314/1342, or Graduation, if requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Math credits*

This course is designed to integrate personal financial education, career discovery, postsecondary education planning, and reality-based math with critical thinking, problem solving, team building, and project based learning. It is challenging and engaging, offering students a comprehensive view of real life, including credit-card debt, health care options, income tax preparation, retirement planning, etc.

PRE-CALCULUS
Course: 2004 | PEIMS: 3101100
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisite: *Algebra II or Honors Algebra II*
What's Next: *AP Calculus AB, AP Statistics, College Math 1314/1342, or Graduation, if requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Math credits*

Pre-calculus provides students with opportunities to explore higher-level mathematics and prepare for the rigors of college mathematics, but may not prepare them for Calculus AP. Students use reasoning skills to extend their understanding of the polynomial and rational function studies in algebra and explore trigonometric functions. Students describe characteristics and perform transformations on a variety of parent functions and solve meaningful problems that involve conic sections, sequences and series, and vector analysis.

AP PRECALCULUS
Course: 2102 | PEIMS: 3101100
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisite: *Algebra II or Honors Algebra II*
What's Next: *AP Calculus AB, AP Statistics, College Math 1314/1342, or Graduation, if requirements are met*
Level Down: *PreCalculus* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Math credits*

Precalculus in the preparation for calculus. Course teaches function POV, enhances conceptual understanding of mathematical reasoning used when modeling and solving problems. Deepens understanding and fluency of algebra and trigonometry. Prepares students for college.

AP CALCULUS AB
Course: 2200 | PEIMS: A3100101
Grade Placement: 12 ***Length of course:*** *Year*
Prerequisite: *PreCalculus or AP PreCalculus*
What's Next: *AP Statistics, College Math 1314/1342, or Graduation, if requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Math credits*

The topics of study for calculus are functions, graphs and limits, derivatives and their applications, and integrals and their applications. Students will work with functions represented in a variety of ways: graphical, numerical, analytical, or verbal. They will understand the connections between these representations. A graphing calculator is used extensively to complete homework assignments. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

AP STATISTICS
Course: 2202 | PEIMS: A3100200
Grade Placement: 12 ***Length of course:*** *Year*
Prerequisite: *PreCalculus, AP PreCalculus or concurrent enrollment in PreCalculus course*
What's Next: *AP Calculus AB, College Math 1314/1342, or Graduation, if requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Math credits*

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. It is equivalent to a one semester, introductory, non- calculus-based college course in statistics. Graphing calculators are needed for homework. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

COLLEGE ALGEBRA: MATH 1314
Course: DC2300 | PEIMS: 3102500
Grade Placement: 11-12 ***Length of course:*** *Year, two college semesters paired together for year long course; equals 3 college hours per semester for a total of 6, paired with College Math 1342*
Prerequisite: *Algebra II and Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *PreCalculus, AP PreCalculus, Financial Math, AP Calculus AB, or Graduation, if requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *No, but meets state requirement towards Math credits*

This course meets degree requirements for the first 3 hours of college math for most majors and provides a foundation for further studies in math or science. Topics include linear equations and inequalities, second-degree relations and functions, polynomial, rational, exponential, and logarithmic functions. This may count as a 4th year math so students will need to commit to both semesters to complete math requirements. Taken during fall semester. Three hours of college math credit will be earned that could be accepted by many colleges. *Students who take this class will also need to take dual credit Statistics (see below) in order to earn credit for a full year of high school math.* This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

COLLEGE STATISTICS: MATH 1342
Course: DC2301 | PEIMS: 3102500
Grade Placement: 11-12 ***Length of course: Length of course:*** *Year, two college semesters paired together for year long course; equals 3 college hours per semester for a total of 6, paired with College Math 1314*
Prerequisite: *College Math 1314 and Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *PreCalculus, AP PreCalculus, Financial Math, AP Calculus AB, or Graduation, if requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *No, but meets state requirement towards Math credits*

This course may meet degree requirements for the second 3 hours of college math for most majors and provides a foundation for further studies in math or science. It includes presentation and interpretation of data, probability, sampling, correlation, regression, analysis of variance, and use of statistical software. Taken during spring semester. Three hours of college math credit will be earned that could be accepted by many colleges. Students who take this class will also need to take dual credit Algebra (see above) in order to earn credit for a full year of high school math. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

COLLEGE PREPARATORY COURSE IN MATHEMATICS (Texas College Bridge)
Course: 9807 | PEIMS: CP111200
Grade Placement: *12; 1 elective credit*
Prerequisites: *None*
Grade Placement: *12* ***Length of course:*** *upon student completion*
Prerequisite: *none part of the Financial Math course*
What's Next: *Graduation, if all requirements are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *None* ***Weight:*** *0.0*
State Requirement: *CCMR requirement for graduation unless CCMR has been met through another pathway*

This class helps students get ready for college level coursework in mathematics and prepares them for the Texas Success Initiative (TSI) exam, which Texas public colleges and universities use to access college readiness. Incoming seniors who do not meet college ready benchmarks for Mathematics on EOC, PSAT and/or SAT may be placed. This course is embedded in Financial Mathematics.

AP COMPUTER SCIENCE A
Grade Placement: *10 - 12; This course is only 1 hour during the school day, but earns 2 credits: (1 Math & 1 LOTE)*
Prerequisite: Required Algebra I; Recommended Computer Science I and Algebra II

Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Algebra I* ***Recommended Prerequisites:*** *Computer Science I and Algebra II*
What's Next: *Another Advanced Level Math Course or Graduation, if all requirements are met*
Level Down: *None*
Credits: *this course is only 1 hour during the school day, but earns 2 credits: (1 Math & 1 LOTE)*
Weighted GPA: *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Math credits*

Math
Course: 2203 | PEIMS: A3580110
Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

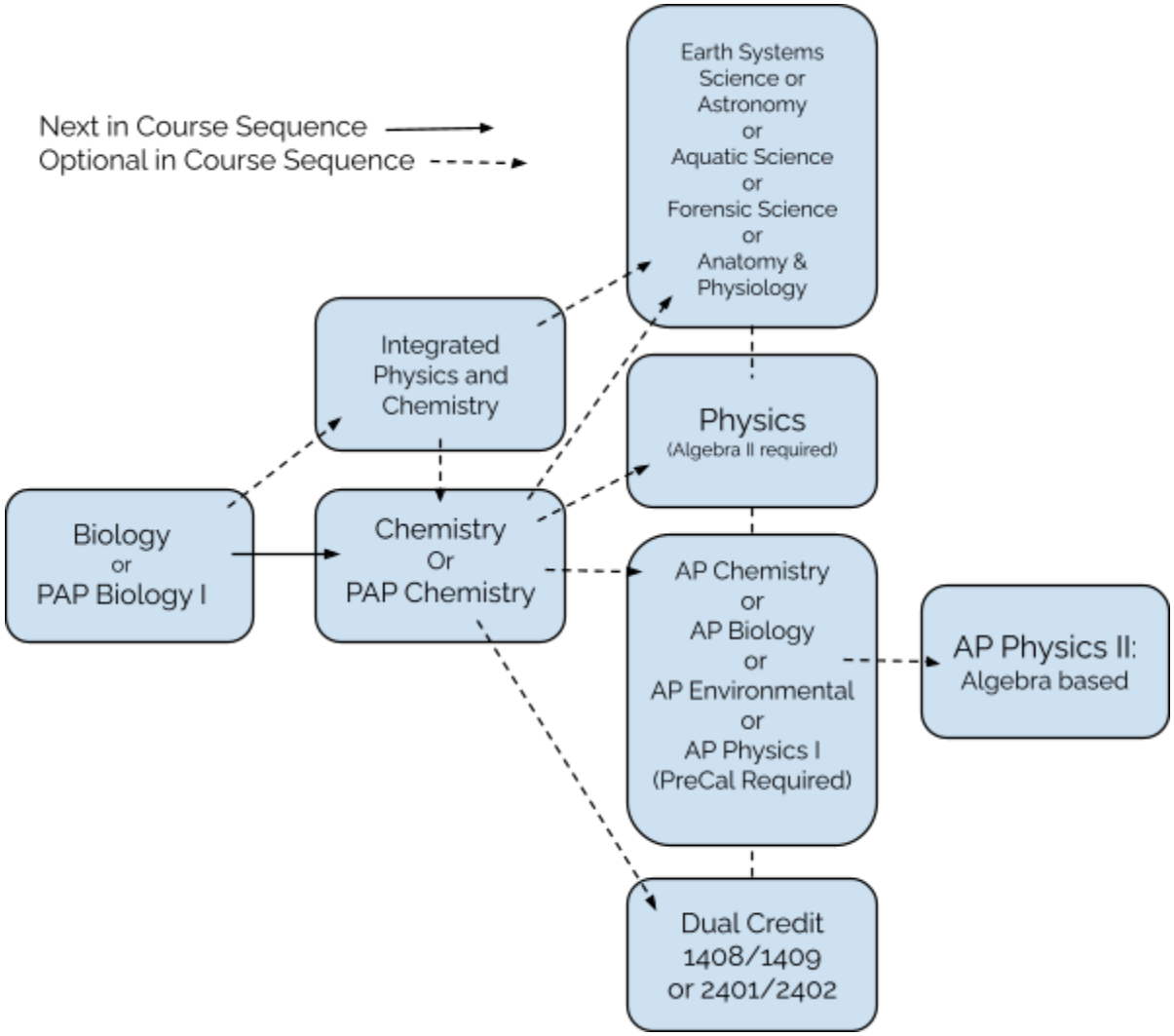
LOTE
Course: 5308 | PEIMS: A3580120
Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science.

Science Course Sequence

COURSE SEQUENCES IN SCIENCE
All students must earn credit for Biology. Students may choose any science courses for their remaining required credits, but need to be aware of any prerequisites for each course. A student wishing to earn an endorsement and/or the Distinguished Level of Achievement must earn a 4th credit in science. All students are required to earn three credits in science to graduate on the Foundation High School Program.

Students who seek a more challenging science education should consider PreAP, Dual Credit,, and AP classes. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

SCIENCE LABORATORY REQUIREMENTS
All science curricula are designed to teach scientific methodology with a minimum of 40% of the time spent in laboratory preparation, exploration, experimentation, and application.



Science Courses

BIOLOGY
Course: 3000 | PEIMS: 3010200
Grade Placement: 9 ***Length of course:*** *Year* ***Prerequisite:*** *None*
What's Next: *Chemistry or Integrated Chemistry and Physics*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *Yes, including End of Course State Test*

In Biology, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment.

PRE-AP BIOLOGY
Course: 3100 | PEIMS: 3010200
Grade Placement: 9 ***Length of course:*** *Year* ***Prerequisite:*** *None*
What's Next: *Chemistry or Integrated Chemistry and Physics*
Level Down: *Biology* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *Yes, including End of Course State Test*

This course is designed for the highly motivated student and utilizes content and activities that stress higher level thinking skills. It provides an intensified study of the nature of life, the progression of life processes, and the continuity of life. Other units of study will include genetic continuity, comparative life processes, and ecological relationships. Students will develop sophisticated, manipulative laboratory skills.

CHEMISTRY I
Course: 3004 | PEIMS: 3040000
Grade Placement: 10-12 ***Length of course:*** *Year* ***Prerequisite:*** *Biology and Algebra I*
What's Next: *Any Additional Upper Level Science Course, Physics, Earth Systems, Astronomy, Anatomy and Physiology, Aquatic, Forensics, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits*

Chemistry is a math-based science class in which students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Topics include atomic structure and the periodic table, chemical names and formulas, chemical reactions, thermochemistry, gas laws, bonding, solutions and acid base chemistry.

PRE-AP CHEMISTRY I
Course: 3101 | PEIMS: 3040000
Grade Placement: 10-12 ***Length of course:*** *Year* ***Prerequisite:*** *Biology and Algebra I*
What's Next: *Any Additional Upper Level Science Course, Physics, Earth Systems, Astronomy, Anatomy and Physiology, Aquatic, Forensics, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry*
Level Down: *Chemistry* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *No, but meets state requirement towards Science credits*

This math-based course is a faster-paced, more intensive presentation of the theories and concepts studied in Chemistry. Additional emphasis is placed on mathematical relationships and problem solving skills. Pre-AP

Chemistry is designed and recommended for students who wish to prepare for AP Chemistry, for those who plan on taking additional advanced science courses in high school and for those who plan to major in science, medicine/veterinary science, math, or engineering in college.

INTEGRATED PHYSICS AND CHEMISTRY (IPC)
Course: 3008 | PEIMS: 3060201
Grade Placement: 10-12 ***Length of course:*** *Year* ***Prerequisite:*** *Biology*
What's Next: *Chemistry, Earth Systems, Astronomy, Anatomy and Physiology, or Aquatic*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits*

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter and solution chemistry. IPC is recommended for students who earn below 80 in Algebra I.

PHYSICS
Course: 3005 | PEIMS: 3050000
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Successful completion Algebra II or concurrent enrollment in Algebra II.*
What's Next: *Any Additional Upper Level Science Course, Physics, Earth Systems, Astronomy, Anatomy and Physiology, Aquatic, Forensics, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits*

In physics, students conduct field and laboratory investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics. This course provides students with a conceptual framework, factual knowledge, and analytical and scientific skills.

EARTH SYSTEM SCIENCE
Course: 3007 | PEIMS: 3060200
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Completion of 2 science credits and Algebra I*
What's Next: *Astronomy or Any Additional Upper Level Science Course, Physics, Anatomy and Physiology, Aquatic, Forensics, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits*

The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems and how these systems interact through time to produce the Earth's landscapes, climate, and resources. Students explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how these systems affect and are affected by human use.

ASTRONOMY
Course: 3006 | PEIMS: 3060100
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Algebra I and Integrated Physics and Chemistry or Chemistry*
What's Next: *Astronomy or Any Additional Upper Level Science Course, Earth Systems, Physics, Anatomy and Physiology, Aquatic, Forensics, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits*

In Astronomy, students focus on patterns, processes, and relationships among astronomical objects in our universe and acquire basic astronomical knowledge and supporting evidence about Sun-Earth-Moon relationships, the solar system, the Milky Way, the size and scale of the universe, and the benefits and limitations of exploration.

FORENSIC SCIENCE
Course: 9103 | PEIMS: 13029500
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Biology* ***AND*** *Chemistry* ***Recommended Prerequisite or Corequisite:*** *any Law, Public Safety, Corrections, and Security Career Cluster course. Students must meet the 40% laboratory and fieldwork requirement.*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Physics, Anatomy and Physiology, Aquatic, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.*

This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies, simulated crime scenes and laboratory applications such as fingerprint analysis, ballistics, blood spatter analysis and DNA. Students will learn the history, legal aspects, and career options for forensic science.

AQUATIC SCIENCE
Course: 3003 | PEIMS: 3030000
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Biology* ***Recommended Prerequisite or Corequisite:*** *Chemistry*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Physics, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits*

In Aquatic Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adaptations of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed.

MEDICAL MICROBIOLOGY
Course: 8709 | PEIMS: 13020700
This Course is part of the Health Science Pathway. Anatomy and Physiology can be taken in place of this course in the pathway.
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Biology and Chemistry*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Physics, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.*

Microbiology is the science and study of microorganisms and their effect on the human body. This course will include Pathophysiology, which is the study of disturbance of normal mechanical, physical, and biochemical functions, either by disease or other conditions.

FOOD SCIENCE
Course: 8815 | PEIMS: 13023000
This Course is part of the Business and Industry Pathway. Students in the Culinary Pathway will take priority in scheduling.
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: 3 units of science including Biology and Chemistry*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Physics, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.*

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the underlying food processing, and the improvement of foods for the consuming public. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement.
(Only offered at The MILE)

ADVANCED ANIMAL SCIENCE
Course: 8007 | PEIMS: 13000700
This Course is part of the Business and Industry Pathway. Students in the AFNR Pathway will take priority in scheduling.
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Biology* ***and*** *Chemistry or Integrated Physics and Chemistry;* ***AND*** *Algebra I* ***and*** *Geometry:* ***AND*** *either Small Animal Management, Equine Science, or Livestock Production. Students must meet the 40% laboratory and fieldwork requirement.*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Physics, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.*

A course designed to examine the scientific and technological dimensions of resources necessary for animal production. Students examine and compare animal anatomy and physiology in livestock species. If certain requirements are met, this course may count as 4th science the student's senior year. This class meets off-campus at the MISD Ag. Barn. Transportation is required please contact your counselor for more information.

ADVANCED PLANT AND SOIL SCIENCE
Course: 8034 | PEIMS: 13002100
This Course is part of the Business and Industry Pathway. Students in the AFNR Pathway will take priority in scheduling.
Grade Placement: 11-12 ***Length of course:*** *Year*
Recommended prerequisites*: Biology, Integrated Physics and Chemistry, Chemistry, or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster. Students must meet the 40% laboratory and fieldwork requirement.*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Physics, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.*

Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science 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 their knowledge and skills and technologies in a variety of settings.

AP PHYSICS
Course: 3205 | PEIMS: A3050003
Prerequisite: *Successful completion of Algebra II, Pre-AP or Regular Chemistry and concurrent enrollment in or completion of Pre-Calculus (exceptions require a committee decision)*
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Algebra II, Chemistry or PAP Chemistry*
Recommended Prerequisite or Corequisite*: PreCalculus or AP PreCalculus*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *Physics* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Science credits*

Advanced Placement Physics is an introductory course in physics that will cover a wide variety of topics including mass and charge of particles, field forces, and classical physics including Newtonian mechanics, momentum, energy, torque, fundamental forces, rotational motion, conservation laws, periodic motion, and waves. Physics 1 AP is a course that would be taken by students who are planning to major in the life sciences, medicine, or engineering. Students who are majoring in a non-science program with a science component may take this course. These students could earn one semester of college credit for this course based on their AP exam scores. Engineering majors will be less likely to receive college credit for the course but will obtain an excellent foundation for physics in engineering. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

AP PHYSICS II: ALGEBRA BASED
Course: A3050004| PEIMS: A3050004
Grade Placement: 12 ***Length of course:*** *Year*
Prerequisites*: AP Physics I, Algebra II, PreCalculus or Concurrent enrollment*
What's Next: *Graduation*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Science credits*

AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics.

AP CHEMISTRY
Course: 3202 | PEIMS: A3040000
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Algebra II, Chemistry or PAP Chemistry*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Science credits*

This course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Content adheres to the requirements prescribed by The College Board. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

AP BIOLOGY
Course: 3200 | PEIMS: A3010200
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Algebra II, Chemistry or PAP Chemistry*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Science credits*

Advanced Placement Biology will include topics regularly covered in college biology and aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. This course is designed to prepare students to take the AP Biology examination. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

AP ENVIRONMENTAL SCIENCE
Course: 3201 | PEIMS: A3020000
Grade Placement: 11-12 ***Length of course:*** *Year*
Prerequisites*: Chemistry or PAP Chemistry*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Science credits*

The goal of AP Environmental Science is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

ANATOMY AND PHYSIOLOGY
Course: 8704 | PEIMS: 13020500
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Biology* and a second science credit.
Program of Study: *Healthcare Therapeutic, Medical Therapy, or Healthcare Diagnostics Pathways*
What's Next: *Practicum of Health Science* or *Completion of Pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.* ***Course Level:*** *Level 3*

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.

COLLEGE ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS: **BIOL 2401/2402**
Course: DC3300 | PEIMS: 13020600
Grade Placement: 11-12 ***Length of course:*** *Year, two college semesters paired together for year long course; equals 4 college hours per semester for a total of 8*
Prerequisites*: Chemistry and Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *No, but meets state requirement towards Science credits*

This laboratory-oriented course includes the study of normal relationships between anatomical structures and physiological functions and the diagnosis and treatment of abnormal conditions of human systems. It is ideal for nursing majors. Eight hours of college science credit will be earned that could be accepted by many colleges. Students must take and pay for both semesters of this course in order to get a full year of high school science credit. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

COLLEGE BIOLOGY 1408/1409
Course: DC3305/DC3306 | PEIMS: 13037200
Grade Placement: 11-12 ***Length of course:*** *Year, two college semesters paired together for year long course; equals 4 college hours per semester for a total of 8*
Prerequisites*: Chemistry and Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *No, but meets state requirement towards Science credits*

This laboratory-oriented course is designed to meet the requirements for prospective **non-science** majors. Eight hours of college science credit will be earned that could be accepted by many colleges. Students must take and pay for both semesters of this course in order to get a full year of high school. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

ENGINEERING SCIENCE
Course: 9420 | PEIMS: 13037500
This Course is part of the STEM Pathway. Students in the Engineering STEM pathway will take priority in scheduling.
Grade Placement: *10-12* ***Length of course:*** *year*
Prerequisites: *Introduction to Engineering Design, Algebra I, and 2 science credits which may be concurrent*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College A&P, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.*

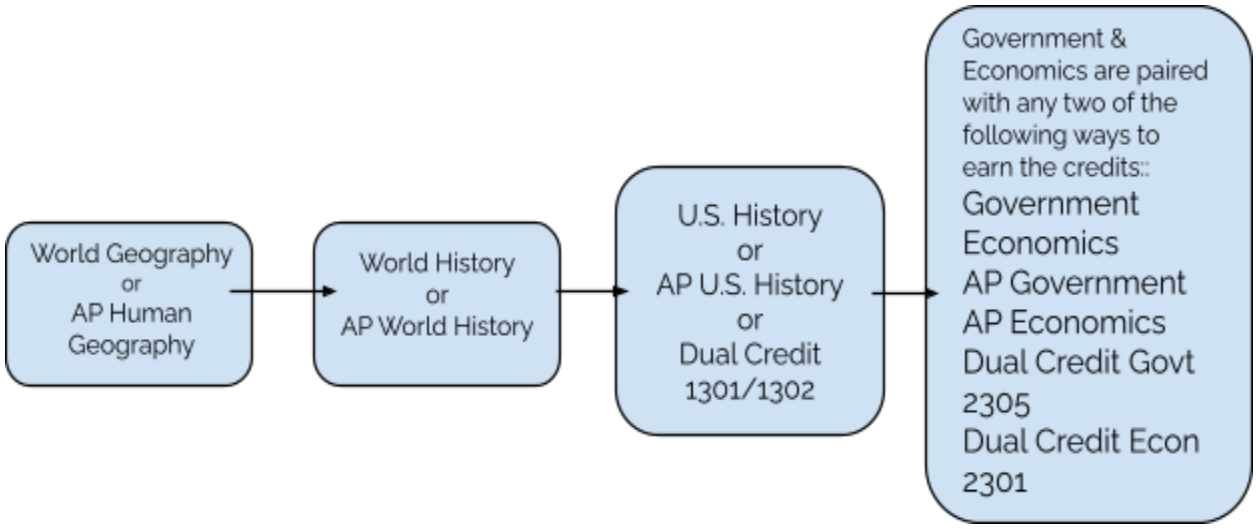
Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Social Studies Course Sequence

Course Selection in Social Studies
Students must have three credits in Social Studies for graduation, however it is highly recommended that all college-bound students earn four years of high school social studies credit. Students have several choices in their social studies course selection and may choose the added rigor of taking Pre-AP, Dual Credit, or AP Social Studies courses. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled. All students must take a course in World Geography or World History, U.S. History, Government (half credit), and Economics (half credit). Advanced 9th grade students may choose to take AP Human Geography instead of World Geography or World History.

Suggestion: All students must earn credit for U.S. History, Federal Government, and Economics. Students may choose any social studies courses for their remaining required credits. Students may choose any social studies courses for their remaining required credits. A student wishing to earn an endorsement and/or the Distinguished Level of Achievement must earn a 4th credit in science. All students are required to earn three credits in social studies to graduate on the Foundation High School Program.

Students have several choices in their social studies course selection and may choose the added rigor of taking Pre-AP, Dual Credit, or AP Social Studies courses. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled. All students must take a course in World Geography or World History, U.S. History, Government (half credit), and Economics (half credit). Advanced 9th grade students may choose to take AP Human Geography instead of World Geography or World History.



Social Studies Courses

WORLD GEOGRAPHY
Course: 4000 | PEIMS: 3320100
Grade Placement: *9* ***Length of course:*** *Year* ***Prerequisites****: None*
What's Next: *World History*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Social Studies credits*

Content for this course provides students the opportunity to study the interaction of people and cultures with their physical environments in the major areas of the world.

AP HUMAN GEOGRAPHY
Course: 4207 | PEIMS: A3360100
Grade Placement: *9* ***Length of course:*** *Year* ***Prerequisites****: None*
What's Next: *World History or AP World History*
Level Down: *World Geography* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Social Studies credits*

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

WORLD HISTORY STUDIES
Course: 4004 | PEIMS: 3340400
Grade Placement: *9-10* ***Length of course:*** *Year* ***Prerequisites****: None*
What's Next: *US History or AP US History*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Social Studies credits*

This is the study of man, his civilization and culture, and his ideas and institutions, from the primitive beginnings to the present time. It traces the political, economic, and social experiences of mankind and applies them to the present. Students gain an awareness of American-Western Civilization and the relationship of Western culture to other great world cultures. With this background, a study of contemporary world affairs becomes an essential element of the course, as do the achievements of man in his total cultural setting.

AP WORLD HISTORY
Course: 4209 | PEIMS: A3370100
Grade Placement: *9-10* ***Length of course:*** *Year* ***Prerequisites****: None*
What's Next: *US History or AP US History*
Level Down: *World History* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No, but meets state requirement towards Social Studies credits*

This course is an in-depth study of the concepts presented in World History focusing on the causes and effects of historical events, identifying and establishing patterns, and predicting and solving problems. AP World History covers material in the regular course plus more in-depth study of causes and effects of historical events, identifying and establishing patterns, predicting and solving problems. Students must be

prepared for college level instruction to benefit from this course that prepares them for the AP exam given in May. Research projects, outside reading, and class presentations are required. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

UNITED STATES HISTORY STUDIES SINCE 1877
Course: 4002 | PEIMS: 3340100
Grade Placement: *11* ***Length of course:*** *Year*
Recommended Prerequisite: *Successful completion of World Geography, World History, or AP Human Geography*
What's Next: *US Government and Economics or AP US Government and AP Macroeconomics*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *Yes*

This course is a history of the United States from Reconstruction following the Civil War through the present. Emphasis is given to America's development as a nation built on free enterprise, a world power among nations, and a democratic society based on government by Constitutional laws.

AP UNITED STATES HISTORY
Course: 4204 | PEIMS: A3340100
Grade Placement: *11* ***Length of course:*** *Year*
Recommended Prerequisite: *Successful completion of World Geography, World History, or AP Human Geography*
What's Next: *US Government and Economics or AP US Government and AP Macroeconomics*
Level Down: *US History* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *Yes*

This program is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and materials in American History. Students are prepared for intermediate and advanced college courses by requiring performances equivalent to those of full-year introductory college courses. Pupils assess historical elements, interpret problems and weigh evidence presented in historical scholarship. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

COLLEGE UNITED STATES HISTORY STUDIES SINCE 1877: 1301/1302
Course: DC4302 | PEIMS: 3340100
Grade Placement: *11* ***Length of course:*** *Year*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *US Government and Economics or AP US Government and AP Macroeconomics*
Level Down: *US History* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *Yes, substitute for US History requirement*

Completion of this course earns high school credit for US History and 3 college hours each semester from Navarro. The history of the United States is presented, beginning with the European background and first discoveries. The pattern of exploration, settlement, and development of institutions is followed throughout the colonial period to 1877. In the second semester (1302), the history of the US is surveyed from the Reconstruction era to the present day. Three hours of college social studies credit will be awarded. Many colleges will accept these hours. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

GOVERNMENT
Course: 4001 | PEIMS: 3330100
Grade Placement: *11-12* ***Length of course:*** *Semester*
Recommended Prerequisite: *Successful completion of World Geography, World History, or AP Human Geography and US History.*
What's Next: *Economics or AP Macroeconomics, if not yet taken or Graduation*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *Yes*

This course provides an opportunity to explore in more detail the political and governing processes, elements of political theories and governmental structures and functions addressed in the social studies at previous levels. Content includes such topics as the political processes at national, state and local governmental levels; the political heritage; comparative economic systems; and international relations. Emphasis is placed on concepts of the free enterprise system, political participation, leadership, decision-making, political institutions, nature of laws, and the rights and responsibilities of American citizenship.

AP US GOVERNMENT AND POLITICS
Course: 4202 | PEIMS: A3330100
Grade Placement: *11-12;* ***Length of course:*** *Semester*
Recommended Prerequisite: *Successful completion of World Geography, World History, or AP Human Geography and US History.*
What's Next: *Economics or AP Macroeconomics, if not yet taken or Graduation*
Level Down: *US Government* ***Credits:*** *0.5* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *Yes*

This course presents an in-depth study of the American government from the colonial period through the contemporary era. The course requires extensive research in several areas of the governmental processes. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

COLLEGE US GOVT 2305
Course: DC4301 | PEIMS: 3330100
Grade Placement: *12* ***Length of course:*** *Semester*
Recommended Prerequisite: *Successful completion of World Geography, World History, or AP Human Geography and US History.*
What's Next: *Economics or AP Macroeconomics or College Macroeconomics, if not yet taken or Graduation*
Level Down: *US Government* ***Credits:*** *0.5* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *Yes*
Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. College level National Government and the National Government curriculum will be offered through Navarro College. Three hours of college social studies will be awarded and may be accepted at many colleges. Extensive outside reading and writing are required. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM
Course: 4023 | PEIMS: 3310300
Grade Placement: *11-12* ***Length of course:*** *Semester*
Recommended Prerequisite: *Successful completion of World Geography, World History, or AP Human Geography and US History.*
What's Next: *US Government or AP US Government, if not yet taken or Graduation*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*

State Requirement: *Yes*

This course is designed to provide opportunities for students to identify characteristics, benefits, and goals of the American free enterprise system. Emphasis is given to the basic principles and theories of production, consumption, and distribution of goods and services. Essential elements of the course include private ownership of property, limited role of government, international economic relations, consumer economics, and personal financial responsibility.

AP MACROECONOMICS
Course: 4200 | PEIMS: A3310200
Grade Placement: *12* ***Length of course:*** *Semester*
Recommended Prerequisite: *Successful completion of regular, dual credit or AP US History*
What's Next: *US Government or AP US Government, if not yet taken or Graduation*
Level Down: *Economics* ***Credits:*** *0.5* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *Yes*

This course provides students a thorough understanding of the principles of economics that apply to an economic system as a whole. In addition, AP Economics places particular emphasis on the study of national income and price determination and also develops students' familiarity with economic performance measures, economic growth and international economics. AP Macroeconomics includes topics generally covered in college courses. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

COLLEGE MACROECONOMICS: ECON 2301
Course: DC4323 | PEIMS: 3310300
Grade Placement: *12* ***Length of course:*** *Semester*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *US Government or AP US Government or College US Government, if not yet taken or Graduation*
Level Down: *Economics* ***Credits:*** *0.5* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *Yes*

Students will study the economy as a whole, national income, money and banking and monetary policy, and related economic problems. College level Economics credit will be offered through Navarro College. Admission testing requirements are required. Extensive outside reading and writing are required. A serious approach to college level studies is essential in this course. Three hours of college economics will be awarded. These will be accepted by many universities. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

Social Studies Electives

SOCIOLOGY
Course: 4006 | PEIMS: 3370100
Grade Placement: *10-12; 0.5 credit* ***Length of course:*** *Semester*
Prerequisite: *None*
What's Next: *recommend paired with Psychology*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course deals with the study of people and their interaction with one another. It involves learning about institutions found in all societies, such as the family and community organizations as well as political and social activities. Broad areas of content include mobility of people, human relationships and factors in society that influence personality.

PSYCHOLOGY
Course: 4005 | PEIMS: 3350100
Grade Placement: *10-12; 0.5 credit* ***Length of course:*** *Semester*
Prerequisite: *None*
What's Next: *recommend paired with Sociology*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This survey course introduces the students to the field of psychology. It is designed to give students a basic history of psychology, theories of learning, self-awareness, process of thinking, personality, heredity and mental health as well as a study of human growth and development.

AP PSYCHOLOGY
Course: 4206 | PEIMS: A3350100
Grade Placement: *11-12; (.5 credit AP social studies for the AP Psychology; .5 credit regular social studies for Special Topics in Social Studies)*
Prerequisite: *None* ***Length of course:*** *Year- paired with Special Topics in Social Studies*
What's Next:
Level Down: *Psychology* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course introduces students to the systematic and scientific study of the behavioral and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. This course is paired with Special Topics in Social Studies. AP Psychology to be taken in the fall semester, while Special Topics in Social Studies is taken in the spring semester. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

SPECIAL TOPICS IN SOCIAL STUDIES (FIRST TIME TAKEN)
Course: 4008 | PEIMS: 3380002
Grade Placement: *11 - 12; .5 elective credit*
Prerequisite: *None* ***Length of course:*** *Year- paired with AP Psychology*
What's Next:
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

In this elective course, students conduct advanced research on a selected topic in social studies using qualitative and/or quantitative methods of inquiry. Students are required to collect information from a variety of sources (primary, secondary, written, and oral) using techniques such as questionnaires, interviews, and library research. They will use current technology such as library topic catalogs, networks, online information systems, academic journals, email interviews, and video interviews to collect information about the selected topic. Students employ processes of critical social science inquiry to establish credibility, validity, and causality of evidence. Research results and conclusions are presented in written and visual or oral format with a developed bibliography of source materials and authors. This course is paired with AP Psychology.

AP EUROPEAN HISTORY
Course: 4205 | PEIMS: A3340200
Grade Placement: *10-12; 1 credit* ***Length of course:*** *Year*
Recommended Prerequisite: *Successful completion of a high school Pre-AP social studies course*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This program is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and materials in European History. Students are prepared for intermediate and advanced college courses by requiring performances equivalent to those of full-year introductory college courses. Pupils assess historical elements, interpret problems and weigh evidence presented in historical scholarship. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

COLLEGE PSYCHOLOGY: PSYC 2301 (Students seeking an Associate's Degree will receive first priority for enrollment)
Course: DC4300 | PEIMS: 3350100
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next:
Level Down: *Psychology* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

Completion of this course earns high school credit for Psychology and 3 college hours from Navarro. General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

COLLEGE TEXAS GOVERNMENT: GOVT 2306
Course: DC4007 | PEIMS: 3380001
Grade Placement: *12* ***Length of course:*** *Semester*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline.* ***This course may NOT be used to fulfill any high school graduation requirements in Social Studies.***
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas. College level Texas Government and the Texas Government curriculum will be offered through Navarro College. Although this course is an elective and does not substitute for any high school graduation requirements, three hours of college social studies will be awarded and may be accepted at many colleges. Extensive outside reading and writing are required. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

COLLEGE SOCIOLOGY: 1301 SOCI (Students seeking an Associate's Degree will receive first priority for enrollment)
Course: DC4301 | PEIMS: 3370100
Grade Placement: *10-12* ***Length of course:*** *Semester*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next:
Level Down: *Sociology* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

Completion of this course earns high school credit for Sociology and 3 college hours from Navarro. The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

ETHNIC STUDIES: MEXICAN AMERICAN STUDIES
Course: 4021 | PEIMS: 3380084
Grade Placement: *10-12* ***Length of course:*** *Semester*
Prerequisite: *None*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

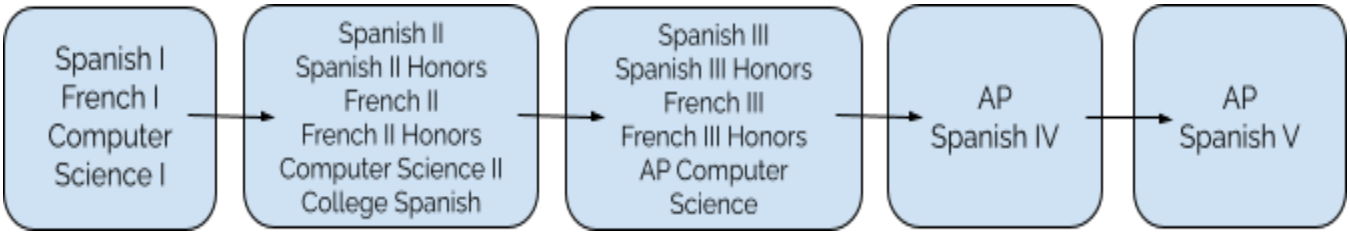
Mexican American Studies, an elective course, students learn about the history and cultural contributions of Mexican Americans. Students explore history and culture from an interdisciplinary perspective. The course emphasizes events in the 20th and 21st centuries, but students will also engage with events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

ETHNIC STUDIES: AFRICAN AMERICAN STUDIES
Course: 9839 | PEIMS: N1130027
Grade Placement: *10-12* ***Length of course:*** *Semester*
Prerequisite: *None*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

African American Studies is a conceptually driven course that introduces students to the exploration of the rich and diverse history and culture of African Americans. The goal of this course is to broaden the knowledge and understanding of students interested in learning about history, citizenship, culture, economics, science, technology, geography, and the political realities of African Americans. These strands should not be taught in isolation but woven together in an integrated study that helps students understand the world in which we live. This course should provide students with an opportunity to engage with the social, economic, and political activities of African Americans in a way that allows them to make deep connections across the content. The historical content of this course should be taught with relevance to contemporary and current issues in order to ensure a deeper understanding for students.

Languages Other Than English

COURSE SELECTIONS IN LANGUAGES OTHER THAN ENGLISH
All students must earn two credits in the same language for graduation. Exceptions may sometimes be made for students with a 504 placement or an Individual Education Plan (IEP). Students are encouraged to pursue additional foreign language course opportunities by taking advanced language courses. Students are also encouraged to take advantage of Pre-AP, AP, and Dual Credit opportunities. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.



LOTE Courses

SPANISH I
Course: 5000 | PEIMS: 3440100
Grade Placement: *9-11* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *Spanish II or Spanish II Honors*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language*

This introductory course enables the student to learn basic Spanish pronunciation, to acquire basic vocabulary sufficient for simple conversations, to practice basic structure patterns, and to become aware of Spanish culture.

SPANISH II
Course: 5002 | PEIMS: 3440200
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Spanish I*
What's Next: *Spanish III or completion of LOTE state requirement*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language*

This course is a continuation of Spanish I and is designed to reinforce the extended concepts introduced in the first course. Spanish II includes intermediate level vocabulary and grammar structure. Activities are designed to continue development of these skills in the target language.

HONORS SPANISH II
Course: 5201 | PEIMS: 3440200
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Spanish I*
What's Next: *Spanish III or completion of LOTE state requirement*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language*

This course is intended for students who wish to develop proficiency in all four language skills: listening, speaking, reading, and writing, and who wish to explore further the history, art, and culture of Spanish. Upon completion of this course, students should be prepared to take AP Spanish.

SPANISH FOR SPANISH SPEAKERS
Course: 5001 | PEIMS: 3440110
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Department approval*
What's Next: *Spanish III or completion of LOTE state requirement*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language*

This course is designed for students who have oral production and comprehension skills as Spanish speakers. The course emphasis includes Hispanic culture, reading, and writing skills. Class will be conducted entirely in Spanish. Students will receive credit for Spanish I and II.

COLLEGE SPANISH I AND II: SPAN 1411/1412 (ONE YEAR OF HIGH SCHOOL SPANISH)
Course: DC5400 and DC5401 | PEIMS: 3440100 and 3440200
Grade Placement: *9-12* ***Length of course:*** *Year, courses are paired together*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *Spanish III or completion of LOTE state requirement*
Level Down: *Spanish I or Spanish II* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language*

Students will learn basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level. Students must pay tuition and enroll in both semesters to earn credit for **one year of high school Spanish** and 8 hours of college credit upon successful completion of the two semesters of dual credit. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

HONORS SPANISH III
Course: 5202 | PEIMS: 3440300
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Spanish I and II*
What's Next: *AP Spanish IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is instructed mainly in Spanish. This course teaches advanced Spanish grammar and continues to develop oral and written skills in Spanish acquired in Pre-AP class levels I and II. It incorporates Spanish literature and culture with emphasis in developing skills for reading and comprehension needed in level IV.

AP SPANISH IV
Course: 5300 | PEIMS: A3440100
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Spanish III*
What's Next: *AP Spanish V*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is instructed mainly in Spanish. It presents six primary learning objective areas within the three modes of communication (Interpersonal, Interpretive, Presentational) described by the Standards for Foreign Language Learning in the 21st Century. The rigor of this course is equivalent to a college level class, which prepares the students to complete the Advanced Placement Language and Culture examination in May. This

course emphasizes advanced proficiency in speaking, understanding, reading, and writing in Spanish. Hispanic culture is acquired through authentic AP Spanish Literature. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

AP SPANISH V
Course:5306 | PEIMS: A3440200
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisite: *AP Spanish IV*
What's Next: *Graduation, if all other requirements are met*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students continue to develop proficiencies across the full range of the modes of communication (interpersonal, presentational, and interpretive), honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, and literary criticism). The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

FRENCH I (MHS Only)
Course: 5141 | PEIMS: 3410100
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *French II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language*

This course is an introduction to the French language and culture. This course includes basic listening, speaking, reading, and writing skills, with an emphasis on building vocabulary. Additional cultural assignments and projects, most involving technology, may be required to be completed outside the classroom.

FRENCH II (MHS Only)
Course: 5142 | PEIMS: 3410200
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *French III*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language*

A continuation of French I, this course builds on basic listening, speaking, reading, and writing skills. Activities are designed to continue development of these skills in the target language. Additional cultural assignments and projects, most involving technology, may be required to be completed outside the classroom.

FRENCH II HONORS (MHS Only)
Course: 5142 | PEIMS: 3410200
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *French I*
What's Next: *French III Honors*
Level Down: *French II* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language*

This course is intended for students who wish to develop proficiency in all four language skills: listening, speaking, reading, and writing, and who wish to explore further the history, art, and culture of the French.

FRENCH III HONORS (MHS ONLY)
Course: 5205 | PEIMS: 03410300
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *French II or French II Honors*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is instructed mainly in French. This course teaches advanced French grammar and continues to develop oral and written skills in French acquired in class levels I and II. It incorporates French literature and culture with emphasis in developing skills for reading and comprehension.

COMPUTER SCIENCE I
Course: 9034 | PEIMS: 03580200
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Algebra I*
What's Next: *Computer Science II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language*

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems.

COMPUTER SCIENCE II
Course: 9035 | PEIMS: 03580300
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Algebra I and either Computer Science I or Fundamentals of Computer Science*
What's Next: *AP Computer Science*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language*

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems.

AP COMPUTER SCIENCE
This course is only 1 hour during the school day, but earns 2 credits: (1 Math & 1 LOTE)
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Required Algebra I; Recommended Computer Science I and Algebra II*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No*

Math
Course: 2203 | PEIMS: A3580110
Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

LOTE
Course: 5308 | PEIMS: A3580120
Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science.

Physical Education

The State of Texas requires one year of physical education (PE) for graduation The first year taking an athletic course will automatically count as a PE substitution unless the student has already satisfied this requirement. Student-athletes shall not be enrolled in more than one physical education and/or athletic class whether or not they are receiving credit. Exceptions: PE substitutes: Partners PE, JROTC, cheerleading, drill team, marching band; innovative course: team sports officiating.

LIFETIME FITNESS AND WELLNESS PURSUITS
Course: 6000 | PEIMS: PES00051
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of PE credit*

This course is a study of physical fitness to increase understanding of the relationship between physical fitness activities and health issues, consumer issues, safety practices and assessment of individual fitness levels. Activities will help improve and maintain physical fitness levels and a program will be designed to meet individual needs and interests.

P.E. SUBSTITUTION ATHLETICS I
Course: 6028 | PEIMS: PES00000
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Coach Approval/Tryouts*
What's Next: *PE Sub Athletics II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No, may substitute for PE credit*

This course includes competitive U.I.L individual and team sports as well as cheerleading.. Available sports may vary by campus from year to year.

P.E SUBSTITUTION ATHLETICS II
Course: 6029 | PEIMS: PES00001
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Coach Approval/Tryouts and PE Sub Athletics I*
What's Next: *PE Sub Athletics III*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course includes competitive U.I.L individual and team sports as well as cheerleading.. Available sports may vary by campus from year to year.

P.E. SUBSTITUTION ATHLETICS III
Course: 6030 | PEIMS: PES00002
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Coach Approval/Tryouts and PE Sub Athletics II*

What's Next: *PE Sub Athletics IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course includes competitive U.I.L individual and team sports as well as cheerleading.. Available sports may vary by campus from year to year.

P.E. SUBSTITUTION ATHLETICS IV
Course: 6031 | PEIMS: PES00003
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisite: *Coach Approval/Tryouts and PE Sub Athletics III*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course includes competitive U.I.L individual and team sports as well as cheerleading.. Available sports may vary by campus from year to year.

DANCE I, PERFORMANCE ENSEMBLE I (DRILL TEAM ONLY)
Course: 5804 | PEIMS:3833300
or
P.E SUBSTITUTION DRILL TEAM I
Course: 6015 | PEIMS: PES00014
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Spring Audition*
What's Next: *Drill Team II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No, may substitute for PE credit*

The drill team is a performing group for various athletic events. Membership is determined through spring tryouts. ***Physical education credit is awarded for the first year of drill team participation only.*** If PE credit has already been obtained in 8th grade, it will count as a fine art credit.

PARTNER/P.E. FOUNDATIONS (STATE)
Course: 6004 | PEIMS: 84200PE5
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Committee placement*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course includes physical education activities that are appropriate for challenged students who are partnered with students who are concurrently enrolled in the Supportive Peer Relationship course. This satisfies one state P.E. credit and should not be repeated once the student successfully completes the course. Students who are paired as assisting partners will sign up for a course in Family and Community Services, which does not count as a P.E. credit.

PARTNER P.E. V (LOCAL)
Course: 6005 | PEIMS: 84200PE5
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisite: *Committee placement*
What's Next:

Level Down: *None* ***Credits:*** *0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course includes physical education activities that are appropriate for challenged students who are partnered with students who are concurrently enrolled in the Supportive Peer Relationship course. This course is for students who have earned 4 P.E. state credits, making this course a local credit only and will not be applied to graduation credits required. Students who are paired as assisting partners will sign up for a course in Family and Community Services, which does not count as a P.E. credit.

OFF CAMPUS P.E.
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Committee placement*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

Please see your counselor for information. Specific requirements and application must be met and approved by the district.

PE SUBSTITUTION - JROTC 1 (MHS Campus location)
Course: 6008 | PEIMS: PES00004
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None, transferred required for MHHS students*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

JROTC program has been accredited as a Special Purpose Program by the national accrediting agency known as AdvancED. JROTC curriculum provides equitable and challenging academic content and authentic learning experiences for all Cadets. All lessons are designed using a four part model to motivate the Cadet, allow the Cadet to learn new information, practice competency, and apply the competency to a real-life situation. Moreover, the four part model requires Cadets to collaborate,
reflect, develop critical thinking skills, and integrate content with other disciplines. JROTC curriculum includes lessons in leadership, health and wellness, physical fitness, first-aid, geography, American history and government, communications, and emotional intelligence.

This program is only offered at Midlothian High School. Heritage High School students wishing to enroll in the course will need to transfer to Midlothian High School and become a full-time student at Midlothian High School. Procedures for transfer will be provided after enrollment in the course.

Fine Arts

Art Courses

ART I – ART FOUNDATION
Course: 5500 | PEIMS: 3500100
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *Art II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Art credit*

A prerequisite for all other art courses, Art I is an introduction to understanding, creating, and appreciating art. Students will learn the language of art through a course emphasis on the Elements of Art and the Principles of Design in their own work and the discussion of the work of others. A variety of arts processes, media, techniques, and visual subject matter will be explored through the creation of original art. Students will learn techniques that develop their perceptual skills. No previous art experience is required. This is a studio class with limited supplies to be furnished by the students.

ART I – ART APPRECIATION
Course: 5502 | PEIMS: 03500110
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *Art I*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Art credit*

The fine arts incorporate the study of dance, music, theatre, and the visual arts to offer unique experiences and empower students to explore realities, relationships, and ideas. Art Appreciation will introduce learners to the various forms of the visual arts, such as drawing, painting, sculpture, photography, etc. Students will learn to examine works of art, identify and compare key characteristics as they relate to specific periods/styles, and discern the role art has played

throughout history. Through hand-on activities, discussion, and research, learners will develop an overall appreciation for the art they encounter in their daily lives.

ART II
Course: 5501 | PEIMS: 3500200
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Art I*
What's Next: *Art III or AP Studio Art 2D or 3D*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is a studio course that emphasizes drawing, two-dimensional design, printmaking, and painting. Students will continue to develop their perceptual skills and creative expression by fostering reflective thinking, disciplined effort and problem-solving skills. The students will demonstrate their understanding and use of the Elements of Art and the Principles of Design from the Art I course. The creation of original artworks

is emphasized with students relying on their perception of the environment, increased visual awareness, memory, imagination, and life experiences as a source for creating artworks. Limited supplies are required.

ART III
Course: 5504 | PEIMS: 3500300
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Art II*
What's Next: *AP Art IV or AP Studio Art 2D or 3D*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This studio course is designed to prepare students for the AP Art course and subsequently an AP portfolio review. Drawing, painting, and some printmaking will be the primary media. The class will be structured around building artistic skills, confidence, and the student's artistic voice. Strong work ethic and a desire to excel are essential for success in this art course.

COLLEGE ART I, ART APPRECIATION: ART 1301 (Students seeking an Associate's Degree will receive first priority for enrollment)
Course: DC5544 (.5 credit grade) | PEIMS: 3500110
Course: DC5544PF (.5 credit P/F)
Grade Placement: *9-12* ***Length of course:*** *Semester*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next:
Level Down: *Art I* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

AP STUDIO ART: 2-DIMENSIONAL DESIGN PORTFOLIO
Course: 5539 | PEIMS: A3500400
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Art II and teacher approval*
What's Next: *AP Art IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

The AP Studio Art Program consists of three portfolio exams—2-D Design, 3-D Design, and Drawing—corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. The 2-D Design portfolio addresses two-dimensional design issues and involves decision making about how to use the elements and principles of art in an integrative way. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses.

As with all AP courses, a "3" or better evaluation on the portfolio will receive college credit at a number of colleges and universities. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

AP STUDIO ART: 3-DIMENSIONAL DESIGN PORTFOLIO
Course: 5539 | PEIMS: A3500500
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Art II and teacher approval*
What's Next: *AP Art IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

The AP Studio Art Program consists of three portfolio exams—2-D Design, 3-D Design, and Drawing—corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. Develop 3-D skills in materials and processes, such as sculpture, architectural rendering and models, metal work, ceramics, glass work, and others. You'll create artwork that reflects your own ideas and skills and what you've learned.

AP ART IV DRAWING
Course: 5538 | PEIMS: A3500300
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Art III or AP Studio Art 2D or 3D and teacher approval*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

The AP Studio Art Program consists of three portfolio exams—2-D Design, 3-D Design, and Drawing—corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. The Drawing portfolio addresses issues such as line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark-making. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses.

As with all AP courses, a "3" or better evaluation on the portfolio will receive college credit at a number of colleges and universities. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

Band Courses

MUSIC I, BAND I
Course: 5600 | PEIMS: 3150100
MUSIC II, BAND II
Course: 5601 | PEIMS: 3150200
MUSIC III BAND III
Course: 5602 | PEIMS: 3150300
MUSIC IV BAND IV
Course: 5603 | PEIMS: 3150400

Grade Placement: *9-12* ***Length of course:*** *Year (Marching band (fall semester) counts as .5 PE waiver)*
Prerequisite: *Placement by the Director*
What's Next: *Music course in next numerical sequence I-IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts*

Band is primarily a performance organization, which comprises one part of the marching band; however, it rehearses as a separate unit throughout the year. The Band will perform concerts and at UIL and Texas Music Educators Association activities throughout the year. Minimum requirements include participation in UIL Region tryouts and Solo and Ensemble. This group performs music on the most advanced high school level. To qualify for a PE waiver, students must participate in 2 fall semesters of marching band.

JAZZ BAND I
Course: 5612 | PEIMS: 3151300
JAZZ BAND II
Course: 5613 | PEIMS: 3151400
JAZZ BAND III
Course: 5614 | PEIMS: 3151500
JAZZ BAND IV
Course: 5615 | PEIMS: 3151600

Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Placement by the Director*
What's Next: *Jazz Band course in next numerical sequence I-IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts*

This is primarily a performance organization. This group will perform music from several different genres including Jazz, Rock, Blues, Bebop and Funk.

BAND ENSEMBLE (SMALL GROUP)

INSTRUMENTAL ENSEMBLE I
Course: 5616 | PEIMS: 03151700
INSTRUMENTAL ENSEMBLE II
Course: 5617 | PEIMS: 03151800
INSTRUMENTAL ENSEMBLE III
Course: 5618 | PEIMS: 03151900
INSTRUMENTAL ENSEMBLE IV
Course: 5619 | PEIMS: 03152000

Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Audition and Placement by the Director*
What's Next: *Music course in next numerical sequence I-IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts*

All percussionists involved in the Marching Band must elect this in the fall.

COLOR GUARD (FALL)/WINTER GUARD (SPRING)
Course: 9840 | PEIMS: 85000CLG
Grade Placement: *9-12* ***Length of course:*** *Year (Marching band (fall semester) counts as .5 PE waiver)*
Prerequisite: *Audition*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts*

Color Guard must elect this in the fall. Winter guard members involved in Varsity and/or JV Winter Guard must enroll in spring semester to participate.

Choir Courses

MIXED CHOIR

MUSIC I, CHOIR I
Course: 5700 | PEIMS: 3150900
MUSIC II, CHOIR II
Course: 5701 | PEIMS: 3151000
MUSIC III CHOIR III
Course: 5702 | PEIMS: 3151100
MUSIC IV CHOIR IV
Course: 5703 | PEIMS: 3151200

Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Audition and Director Placement*
What's Next: *Music course in next numerical sequence I-IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts*

This choral ensemble is primarily a training ensemble for students who have an interest in choral music. Course content will emphasize learning to read music, ear training, and vocal development in preparation for more advanced ensembles. This choral ensemble will participate in concerts throughout the year.

CHOIR ENSEMBLE (WOMEN'S, MEN'S)

MUSIC I, VOCAL ENSEMBLE I
Course: 5704 | PEIMS: 3152100
MUSIC I, VOCAL ENSEMBLE II
Course: 5705 | PEIMS: 3152200
MUSIC I, VOCAL ENSEMBLE III
Course: 5706 | PEIMS: 3152300
MUSIC I, VOCAL ENSEMBLE IV

Course: 5707 | PEIMS: 3152400

Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Placement by the Director*
What's Next: *Music course in next numerical sequence I-IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts*

This choral ensemble is primarily a training ensemble for female students who have an interest in choral music. Course content will emphasize learning to read music, ear training, and vocal development in preparation for more advanced ensembles. This choral ensemble will participate in concerts throughout the year.

Dance Courses

DANCE I
Course: 5800 | PEIMS: 3830100
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *Dance II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts (Dance can count as PE or Fine Arts but not both at the same time.)*

In Dance, students study four basic strands - perception, creative expression/performance, historical and cultural heritage, and critical evaluation - that provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Dance students develop perceptual thinking and moving abilities in daily life that promote understanding of themselves and others. By mastering movement principles and skills, students develop self-discipline and a better understanding of the importance of movement and mobility to maintain physical health.

DANCE II
Course: 5801 | PEIMS: 3830200
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Dance I*
What's Next: *Dance III*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts (Dance can count as PE or Fine Arts but not both at the same time.)*

In Dance, students study four basic strands - perception, creative expression/performance, historical and cultural heritage, and critical evaluation - that provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Dance students develop perceptual thinking and moving abilities in daily life that promote understanding of themselves and others. By mastering movement principles and skills, students develop self-discipline and a better understanding of the importance of movement and mobility to maintain physical health.

DANCE III
Course: 5802 | PEIMS: 3830300
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Dance II*
What's Next: *Dance IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts (Dance can count as PE or Fine Arts but not both at the same time.)*

In Dance, students study four basic strands - perception, creative expression/performance, historical and cultural heritage, and critical evaluation - that provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Dance students develop perceptual thinking and moving abilities in daily life that promote understanding of themselves and others. By mastering movement principles and skills, students develop self-discipline and a better understanding of the importance of movement and mobility to maintain physical health.

DANCE IV
Course: 5803 | PEIMS: 3830400
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Dance III*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts (Dance can count as PE or Fine Arts but not both at the same time.)*

In Dance, students study four basic strands - perception, creative expression/performance, historical and cultural heritage, and critical evaluation - that provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Dance students develop perceptual thinking and moving abilities in daily life that promote understanding of themselves and others. By mastering movement principles and skills, students develop self-discipline and a better understanding of the importance of movement and mobility to maintain physical health.

DANCE I, PERFORMANCE ENSEMBLE I (DRILL TEAM ONLY)
Course: 5804 | PEIMS:3833300
or
P.E SUBSTITUTION DRILL TEAM I
Course: 6015 | PEIMS: PES00014
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Audition*
What's Next: *Drill Team II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts (Dance can count as PE or Fine Arts but not both at the same time.)*

The drill team is a performing group for various athletic events. Membership is determined through spring tryouts. ***Physical education credit is awarded for the first year of drill team participation only.*** If PE credit has already been obtained in 8th grade, it will count as a fine art credit.

DANCE II, PERFORMANCE ENSEMBLE II (DRILL TEAM ONLY)
Course: 5805 | PEIMS:3833400
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Audition*
What's Next: *Drill Team II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts (Dance can count as PE or Fine Arts but not both at the same time.)*

The drill team is a performing group for various athletic events. Membership is determined through spring tryouts. ***Physical education credit is awarded for the first year of drill team participation only.*** If PE credit has already been obtained, it will count as a fine art credit.

DANCE III, PERFORMANCE ENSEMBLE III (DRILL TEAM ONLY)
Course: 5806 | PEIMS:3833500
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Audition, Drill Team II*
What's Next: *Drill Team IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts (Dance can count as PE or Fine Arts but not both at the same time.)*

The drill team is a performing group for various athletic events. Membership is determined through spring tryouts. ***Physical education credit is awarded for the first year of drill team participation only.*** If PE credit has already been obtained, it will count as a fine art credit.

DANCE IV, PERFORMANCE ENSEMBLE IV (DRILL TEAM ONLY)
Course: 5807 | PEIMS:3833600
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisite: *Audition, Drill Team II*
What's Next: *Drill Team III*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts (Dance can count as PE or Fine Arts but not both at the same time.)*

The drill team is a performing group for various athletic events. Membership is determined through spring tryouts. ***Physical education credit is awarded for the first year of drill team participation only.*** If PE credit has already been obtained, it will count as a fine art credit.

DANCE OFFICERS (DRILL TEAM ONLY)
Course: 9828 | PEIMS: 85000DRL
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Audition*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts (Dance can count as PE or Fine Arts but not both at the same time.)*

The drill team is a performing group for various athletic events. Officer team is determined through spring tryouts. **This is a local credit.** Physical education credit is awarded for the first year of drill team participation.

Music Courses

MUSIC STUDIES MUSIC THEORY I
Course: 5648 | PEIMS: 3155400
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Director recommendation*
What's Next: *AP Music Theory*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This full year course includes the basic fundamentals of musicianship, theory, musical materials, basic terminology, ear-training and sight-singing procedures. It also integrates interval studies and identification with simple melodic and harmonic dictation. A basic knowledge of the piano keyboard is recommended.

AP MUSIC THEORY
Course: 5660 | PEIMS: A3150200
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Director recommendation, placement exam; 1 year of Ensemble or Applied Instrument*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

Students will analyze various types of music, create short compositions, and develop their aural dictation skills. This course prepares the student for the Advanced Placement Examination in Music Theory to be taken in May. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

MUSIC STUDIES - MUSIC APPRECIATION I
Course: 5650 | PEIMS: 3155600
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course covers the four basic strands--foundations: music literacy; creative expression; historical and cultural relevance; and critical evaluation and response. The foundation of music literacy is fostered through reading, writing, reproducing, and creating music, thus developing a student's intellect. Through creative expression, students apply their music literacy and the critical-thinking skills of music to read, write, create, and/or move. By experiencing musical periods and styles, students will understand the relevance of music to history, culture, and the world, including the relationship of music to other academic disciplines and the vocational possibilities offered.

Theatre Arts Courses

THEATRE ARTS I
Course: 5900 | PEIMS: 3250100
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *Theatre Arts II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *1 year of Fine Arts*

This course combines the theory and exercise in body control, voice, pantomime, interpretation, characterization, and stage action with analysis and study of specific roles, principles of group movement and varied projects in action and group rehearsal. Attendance is required at one fall and one spring production where students are enrolled. This course is a prerequisite for all other theatre courses.

THEATRE ARTS II
Course: 5901 | PEIMS: 3250200
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Theatre Arts I*
What's Next: *Theatre Arts III*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*

State Requirement: *No*

This course combines the theory and exercise in body control, voice, pantomime, interpretation, characterization, and stage action with analysis and study of specific roles, principles of group movement and varied projects in action and group rehearsal. Attendance is required at one fall and one spring production where students are enrolled. This course is a prerequisite for all other theatre courses.

THEATRE ARTS III
Course: 5902 | PEIMS: 3250300
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Theatre Arts II*
What's Next: *Theatre Arts IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course combines the theory and exercise in body control, voice, pantomime, interpretation, characterization, and stage action with analysis and study of specific roles, principles of group movement and varied projects in action and group rehearsal. Attendance is required at one fall and one spring production where students are enrolled. This course is a prerequisite for all other theatre courses.

THEATRE ARTS IV
Course: 5903 | PEIMS: 3250400
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisite: *Theatre Arts III*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course combines the theory and exercise in body control, voice, pantomime, interpretation, characterization, and stage action with analysis and study of specific roles, principles of group movement and varied projects in action and group rehearsal. Attendance is required at one fall and one spring production where students are enrolled. This course is a prerequisite for all other theatre courses.

TECHNICAL THEATRE I
Course: 5904 | PEIMS: 3250500
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *Technical Theatre II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course deals with an introduction to stagecraft. Students will learn the basics of sound, lighting, scenic design, construction, costuming, and makeup. Attendance at one fall & one spring production is required.

TECHNICAL THEATRE II
Course: 5905 | PEIMS: 3250600
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Technical Theatre I*
What's Next: *Technical Theatre III*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is an application of stagecraft skills. Students will participate in the technical aspects of school productions and rehearsals. Time will be spent on these productions both in class and outside of class.

TECHNICAL THEATRE III
Course: 5910 | PEIMS: 3251100
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Technical Theatre II, Director approval*
What's Next: *Technical Theatre IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is an application of stagecraft skills. Students will participate in the technical aspects of school productions and rehearsals. Time will be spent on these productions both in class and outside of class.

TECHNICAL THEATRE IV
Course: 5911 | PEIMS: 3251200
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisite: *Technical Theatre III, Director approval*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is an application of stagecraft skills. Students will participate in the technical aspects of school productions and rehearsals. Time will be spent on these productions both in class and outside of class.

THEATRE PRODUCTION I
Course: 5906 | PEIMS: 3250700
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Audition/director approval*
What's Next: *Theatre Production I*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

These courses provide opportunities for students to audition, rehearse, and perform in public. The students participate in research and design and work on technical crews for staging, lighting, and other technical areas.

THEATRE PRODUCTION II
Course: 5907 | PEIMS: 3250800
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Theatre Arts course, audition/director approval*
What's Next: *Theatre Production II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

These courses provide opportunities for students to audition, rehearse, and perform in public. The students participate in research and design and work on technical crews for staging, lighting, and other technical areas.

THEATRE PRODUCTION III
Course: 5908 | PEIMS: 3250900
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Theatre Arts course, audition/director approval*
What's Next: *Theatre Production III*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

These courses provide opportunities for students to audition, rehearse, and perform in public. The students participate in research and design and work on technical crews for staging, lighting, and other technical areas.

THEATRE PRODUCTION IV
Course: 5909 | PEIMS: 3251000
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Theatre Arts course, audition/director approval*
What's Next: *Theatre Production IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

These courses provide opportunities for students to audition, rehearse, and perform in public. The students participate in research and design and work on technical crews for staging, lighting, and other technical areas.

COLLEGE THEATRE I: DRAM 1310 (Students seeking an Associate's Degree will receive first priority for enrollment)
Course: DC5900 (.5 credit grade) | PEIMS: 3250100
Course: DC5900PF (.5 credit P/F) | PEIMS: 3250100

Grade Placement: *9-12* ***Length of course:*** *Semester*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*
A general survey of all phases of theatre including theatre history, dramatic works, stage techniques, production procedures, and relation to the fine arts. Participation in major productions may be part of course. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

Elective Courses

AP SEMINAR
Course: 9808 | PEIMS: N1130026
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *AP Research*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

AP Seminar is a year-long course that has students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

AP RESEARCH
Course: 9809 | PEIMS: N1100014
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *AP Seminar*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

AP Research is the second course in the AP Capstone™ program. AP Seminar is a prerequisite for AP Research. If you earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of your choosing, you will receive the AP Capstone Diploma™. This signifies outstanding academic achievement and attainment of college-level academic and research skills. Alternatively, if you earn scores of 3 or higher in AP Seminar and AP Research only, you will receive the AP Seminar and Research Certificate™. Note: AP Research will only be available to students whose school is participating in the AP Capstone program.

COLLEGE INTRODUCTION TO COMPUTING: COSC 1301 (Students seeking an Associate's Degree will receive first priority for enrollment)
Course: DC9027 | PEIMS: 3580900
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is one semester and provides an overview of computer systems-hardware, operating systems, and microcomputer application software, including the internet, word processing, spreadsheets, presentation graphics, and databases. Current issues such as the effect of computers on society, and the history and use of computers in business, educational, and other modern settings are also studied. This course is not intended to count toward a student's major field of study in business or computer science. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

AP COMPUTER SCIENCE
Grade Placement: *10 - 12* ***Length of course:*** *Year*
Prerequisite: *Required Algebra I; Recommended Computer Science I and Algebra II*
What's Next:
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No*

Math
Course: 2203 | PEIMS: A3580110
Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundations of computer science. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

LOTE
Course: 5308 | PEIMS: A3580120
Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science.

DEBATE I
Course: 1039 | PEIMS: 3240600
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *Debate II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course involves attendance at weekend debate tournaments. Course is an introduction to debate skills including analysis, logical and critical thinking, case construction, and speaking skills. Includes Cross Examination, debate and Lincoln Douglas debate in preparation for competition. Debate students are required to participate in tournaments, which are usually held on the weekends.

DEBATE II
Course: 1040 | PEIMS: 3240700
Grade Placement: *10 -12* ***Length of course:*** *Year*
Prerequisite: *Debate I and Course application*
What's Next: *Debate III*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course involves attendance at weekend debate tournaments. Course is an introduction to debate skills including analysis, logical and critical thinking, case construction, and speaking skills. Includes Cross Examination, debate and Lincoln Douglas debate in preparation for competition. This course may count as Communications Application credit. Debate students are required to participate in tournaments, which are usually held on the weekends.

DEBATE III
Course: 1041 | PEIMS: 3240800
Grade Placement: *11 -12* ***Length of course:*** *Year*
Prerequisite: *Debate II and Course application*
What's Next: *Debate IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *Yes* ***Weight:*** *None*
State Requirement: *No*

This course involves attendance at weekend debate tournaments. Course is an introduction to debate skills including analysis, logical and critical thinking, case construction, and speaking skills. Includes Cross Examination, debate and Lincoln Douglas debate in preparation for competition. This course may count as Communications Application credit. Debate students are required to participate in tournaments, which are usually held on the weekends.

INDEPENDENT STUDIES IN SPEECH - DEBATE IV
Course: 1045 | PEIMS: 3241200
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisite: *Debate III and Course application*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No*

This course involves attendance at weekend debate tournaments. Course is an introduction to debate skills including analysis, logical and critical thinking, case construction, and speaking skills. Includes Cross Examination, debate and Lincoln Douglas debate in preparation for competition. This course may count as Communications Application credit. Debate students are required to participate in tournaments, which are usually held on the weekends.

ADVANCED JOURNALISM: YEARBOOK I
Course: 1020 | PEIMS: 03230110
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *Advanced Journalism: Yearbook II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course includes the study and application of the elements and processes of developing and producing the school yearbook. Students are expected to attend a summer workshop.

ADVANCED JOURNALISM: YEARBOOK II
Course: 1021 | PEIMS: 03230120
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Advanced Journalism: Yearbook I*
What's Next: *Advanced Journalism: Yearbook III*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course includes the study and application of the elements and processes of developing and producing the school yearbook. Students are expected to attend a summer workshop.

ADVANCED JOURNALISM: YEARBOOK III
Course: 1022 | PEIMS: 03230130
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Advanced Journalism: Yearbook II*
What's Next: *Independent Studies in Journalism: Yearbook*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No*

This course includes the study and application of the elements and processes of developing and producing the school yearbook. Students are expected to attend a summer workshop.

PEER ASSISTANCE FOR STUDENTS WITH DISABILITIES I
Course: 9817 | PEIMS: N1290203
Grade Placement: *11-12* ***Length of course:*** *Semester*
Prerequisite: *Application process*
What's Next: *Peer Assistance for Students with Disabilities*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is designed to promote an inclusive educational environment for special education students. Peer assistants assist teachers in general education and special education settings by helping to facilitate inclusion in the classroom.

PEER ASSISTANCE FOR STUDENTS WITH DISABILITIES II
Course: 9818 | PEIMS: N1290204
Grade Placement: *11-12* ***Length of course:*** *Semester*
Prerequisite: *Application process*
What's Next: *None*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is designed to promote an inclusive educational environment for special education students. Peer assistants assist teachers in general education and special education settings by helping to facilitate inclusion in the classroom.

COLLEGE PUBLIC SPEAKING: SPCH 1315 (Students seeking an Associate's Degree will receive first priority for enrollment.)
Course: DC1042 | PEIMS: 3240900
Grade Placement: *9-12* ***Length of course:*** *Semester*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *see your counselor*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

PSYCHOLOGY
Course: 4005 | PEIMS: 3350100
Grade Placement: *10-12* ***Length of course:*** *Semester*
Prerequisite: *None*
What's Next: *Sociology, if not already taken*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This survey course introduces the students to the field of psychology. It is designed to give students a basic history of psychology, theories of learning, self-awareness, process of thinking, personality, heredity and mental health as well as a study of human growth and development.

COLLEGE PSYCHOLOGY: PSYC 2301 (Students seeking an Associate's Degree will receive first priority for enrollment.)
Course: DC4300 | PEIMS: 3350100
Grade Placement: *10-12* ***Length of course:*** *Semester*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *see your counselor*
Level Down: *Psychology* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

Completion of this course earns high school credit for Psychology and 3 college hours from Navarro. General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and

---

SOCIOLOGY
Course: 4006 | PEIMS: 3370100
Grade Placement: *10-12* ***Length of course:*** *Semester*
Prerequisite: *None*
What's Next: *Psychology, if not already taken*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course deals with the study of people and their interaction with one another. It involves learning about institutions found in all societies, such as the family and community organizations as well as political and social activities. Broad areas of content include mobility of people, human relationships and factors in society that influence personality.

COLLEGE SOCIOLOGY: SOCI (Students seeking an Associate's Degree will receive first priority for enrollment.)
Course: DC4301 | PEIMS: 3370100
Grade Placement: *10-12* ***Length of course:*** *Semester*
Prerequisite: *Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *see your counselor*
Level Down: *Psychology* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

Completion of this course earns high school credit for Sociology and 3 college hours from Navarro. The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various

theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

AP PSYCHOLOGY
Course: 4206 | PEIMS: A3350100
Grade Placement: *11-12* ***Length of course:*** *Year, paired with Special Topics in Social Studies*
Prerequisite: *None*
What's Next: *None*
Level Down: *Psychology* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course introduces students to the systematic and scientific study of the behavioral and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. Students in the course should take the Advanced Placement Examination in Psychology. This course is paired with Special Topics in Social Studies. AP Psychology to be taken in the fall semester, while Special Topics in Social Studies is taken in the spring. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

STUDENT LEADERSHIP - STUDENT COUNCIL
Course: 9822 | PEIMS: N1290010
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Course application*
What's Next: *Course may be repeated for up to 2 credits*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course provides opportunities to study, practice and develop group and individual leadership and organizational skills. These skills include decision-making skills, problem-solving techniques, communication skills, leadership roles, human relation skills and understanding the need for civic responsibility. Students enrolled in the course will apply these skills in dealing with peers, school administration and the community.

PEER ASSISTANCE AND LEADERSHIP I
Course: 9815 | PEIMS: N1290005
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisite: *Application process*
What's Next: *Peer Assistance and Leadership II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This laboratory-based course is designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

PEER ASSISTANCE AND LEADERSHIP II
Course: 9816 | PEIMS: N1290006
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisite: *PAL I and Application process*
What's Next: *None*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*

State Requirement: *No*

This laboratory-based course is designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

ETHNIC STUDIES: MEXICAN AMERICAN STUDIES
Course: 4021 | PEIMS: 3380084
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *None*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

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.

ETHNIC STUDIES: AFRICAN AMERICAN STUDIES
Course: 9839 | PEIMS: N1130027
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *None*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

African American Studies is a conceptually driven course that introduces students to the exploration of the rich and diverse history and culture of African Americans. The goal of this course is to broaden the knowledge and understanding of students interested in learning about history, citizenship, culture, economics, science, technology, geography, and the political realities of African Americans. These strands should not be taught in isolation but woven together in an integrated study that helps students understand the world in which we live. This course should provide students with an opportunity to engage with the social, economic, and political activities of African Americans in a way that allows them to make deep connections across the content. The historical content of this course should be taught with relevance to contemporary and current issues in order to ensure a deeper understanding for students.

SPORTS MEDICINE I
Course: 9819 | PEIMS: N1150040
Grade Placement: *10-12 (9th at HHS)* ***Length of course:*** *Year*
Prerequisite: *Application and Approval of Instructor*
What's Next: *Sports Medicine II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is designed for students in the student athletic training program and it provides an in-depth study and application of the components of sports medicine, including but not limited to: basic rehabilitation techniques, therapeutic modalities, wound care, prevention, recognition and care of musculoskeletal injuries.

SPORTS MEDICINE II
Course: 9820 | PEIMS: N1150041
Grade Placement: *11-12 (10th at HHS)* ***Length of course:*** *Year*
Prerequisite: *Sports Medicine I, Application, Approval of Instructor*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

This course is designed for students in the student athletic training program and it provides a more in-depth study and application of the components of Sports Medicine I. Individualized and independent assignments will be included in this course. This course will involve outside-of-class time, homework, and time will be required working with athletes and athletic tea

---

TEAM SPORTS OFFICIATING
Course: N1160012 | PEIMS: N1160012
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *None*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

Students enrolled in Team Sport Officiating learn rules and regulations of selected team sports, developing skills in the area of communication, decision making, and conflict management which are needed to officiate team sport competitions. Working with coaches, players, other officials, and parents, the expectation is that by the end of the course students will have the ability to officiate at various levels and manage responsibilities that come with the role. Students will be introduced to the rules of the games and officiating mechanics based on approved University Interscholastic League (UIL) association specifications which will form a foundation for a lifetime avocation in officiating. Experienced officials will assist in providing "real-world" experiences in preparing the students for the situations they will face. Students will also develop a personal fitness plan and safety plan that directly relates to the needs of an official. Students apply time management skills and adhere to professional responsibilities and standards including the Sports Officials Code of Ethics and the legal rights and responsibilities of a sports official involved with youth sports in the 21st century.

JUNIOR RESERVE OFFICERS TRAINING CORPS (ROTC) I
Course: 9800 | PEIMS: 03160100
Grade Placement: *9-12 (only at MHS)* ***Length of course:*** *Year*
Prerequisite: *None*
What's Next: *JROTC II-IV*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No*

JROTC program has been accredited as a Special Purpose Program by the national accrediting agency known as AdvancED. JROTC curriculum provides equitable and challenging academic content and authentic learning experiences for all Cadets. All lessons are designed using a four part model to motivate the Cadet, allow the Cadet to learn new information, practice competency, and apply the competency to a real-life situation. Moreover, the four part model requires Cadets to collaborate, reflect, develop critical thinking skills, and integrate content with other disciplines. JROTC curriculum includes lessons in leadership, health and wellness, physical fitness, first-aid, geography, American history and government, communications, and emotional intelligence.

This program is only offered at Midlothian High School. Heritage High School students wishing to enroll in the course will need to transfer to Midlothian High School and become a full-time student at Midlothian High School. Procedures for transfer will be provided after enrollment in the course.

Career and Technical Education Elective Offerings

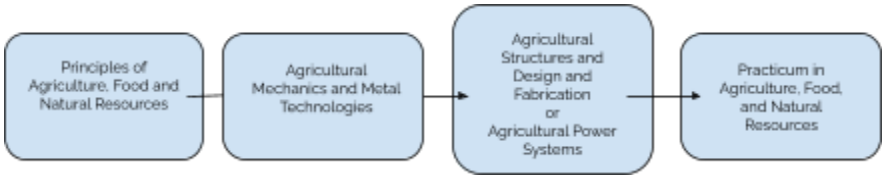
Business and Industry Endorsement- To complete this endorsement students must complete 3 or more consecutive courses for a total of 4 or more credits in a pathway.
This endorsement may be comprised of any of the following career clusters (group of courses):

- Arts, Audio, Visual, Technology, and Communications
- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Business Management & Administration
- Hospitality and Tourism
- Informational Technology
- Manufacturing
- Marketing
- Transportation, Distribution, and Logistics

Business and Industry Endorsement: Agriculture, Food and Natural Resources Cluster (AFNR)

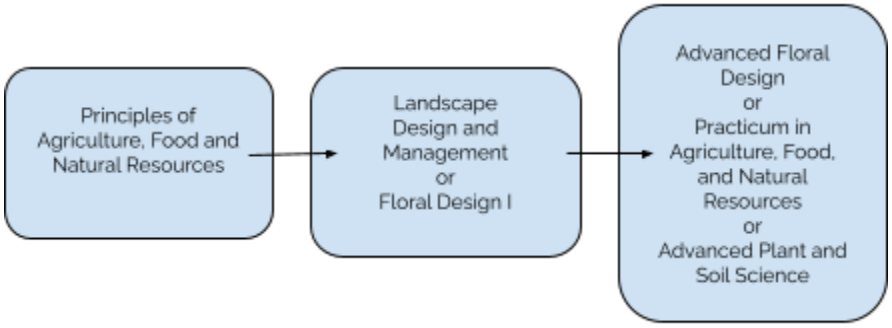
AFNR Cluster: Applied Agricultural Engineering Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• AWS Certified Welder • AWS D1.1 Structural Steel • AWS D9.1 Sheet Metal Welding • AWS SENSE Level 1: Entry Welder



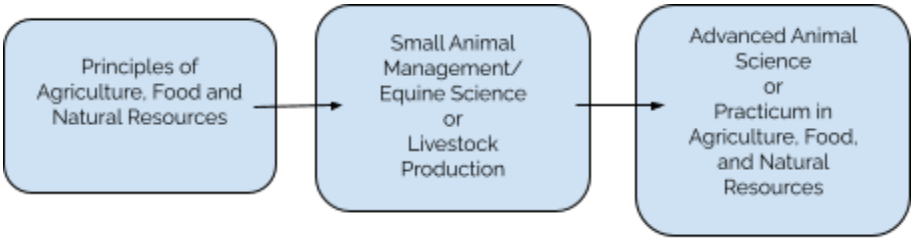
Plant Science Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Principles of Floral Design Certification • Texas State Florist's Association Level I Floral Certification • Texas State Florist's Association Level II Floral Certification



Animal Science Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Elanco Fundamentals of Animal Science Certification



PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES
Course: 8000 | PEIMS: 13000200
Grade Placement: *8-10* ***Length of course:*** *Year* ***Program of Study:*** *Applied Agricultural Engineering*
Prerequisite: *None*
What's Next: *Any other AFNR course without other prerequisites besides Principles of AFNR*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

The major purpose of the Principles of Agriculture, Food, and Natural Resources (AFNR) course is to introduce students to the world of agriculture and the pathways they may pursue within the Midlothian Agriculture program of study. The course is structured to enable all students to have a variety of experiences that will provide an overview of the fields of agricultural science and natural resources so that students may continue through a sequence of courses through high school. In addition, students will understand specific connections between their lessons and Supervised Agricultural Experience projects and FFA components that are important for the development of an informed agricultural education student. Students will investigate, experiment, and learn about FFA history, speech communications, leadership, wildlife management, archery, livestock, woodworking, and welding.

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES
Course: 8035 | PEIMS: 13002200
Grade Placement: *10-12* ***Length of course:*** *Year* ***Program of Study:*** *Applied Agricultural Engineering*
Prerequisite: *Recommended Principles of Agriculture, Food, and Natural Resources.*
What's Next: *Any other AFNR course not requiring prerequisites*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

AGRICULTURE STRUCTURES DESIGN & FABRICATION
Course: 8036 | PEIMS: 13002300
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Applied Agricultural Engineering*
Prerequisite: *Recommended Agricultural Mechanics and Metal Technologies*
What's Next: *Any other AFNR course not requiring prerequisites*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This course will prepare students for careers in mechanized agriculture and technical systems. The student will learn principles of facility design including building plans, costs, and environmental control systems.

AGRICULTURAL POWER SYSTEMS
Course: 8041 | PEIMS: 13002400
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Applied Agricultural Engineering*
Prerequisite: *Principles of Agriculture, Food, and Natural Resources. Application process.*
What's Next: *Any other AFNR course not requiring prerequisites or Practicum*
Level Down: *None* ***Credits:*** *2* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This course is designed to prepare students for careers in Ag Power, structure and technical systems. Students will prepare for current industry and societal standards such as standard tools, equipment, and safety procedures. Students will learn to select, operate, and maintain small engines and agricultural machines.

FLORAL DESIGN I
Course: 8014 | PEIMS: 13001800
Grade Placement: *10-12* ***Length of course:*** *Year* ***Program of Study:*** *Plant Science*
Prerequisite: *Recommended Principles of Agriculture, Food, and Natural Resources*
What's Next: *Any other AFNR course not requiring prerequisites*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

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 judgements and evaluations.

ADVANCED FLORAL DESIGN
Course: 8015 | PEIMS: N1300270
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Plant Science*
Prerequisite: *Floral Design I*
What's Next: *Any other AFNR course not requiring prerequisites*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

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. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

ADVANCED PLANT AND SOIL SCIENCE
Course: 8034 | PEIMS: 13002100
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Plant Science*
Prerequisite: *Biology, Integrated Physics and Chemistry, Chemistry, or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster. Students must meet the 40% laboratory and fieldwork requirement.*
What's Next: *Practicum or Completion of pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.*
Course Level: *Level 4*

Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace.

SMALL ANIMAL MANAGEMENT
Course: | PEIMS: 13000400
Grade Placement: *10-12* ***Length of course:*** *Year* ***Program of Study:*** *Animal Science*
Prerequisite: *Recommended Principles of Ag, Food, and Natural Resources*
What's Next: *Any other AFNR course not requiring prerequisites*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, 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 in a variety of settings.

EQUINE SCIENCE
Course: 8004 | PEIMS: 13000500
Grade Placement: *10-12* ***Length of course:*** *Semester* ***Program of Study:*** *Animal Science*
Prerequisite: *Recommended Principles of Agriculture, Food, and Natural Resources*
What's Next: *Any other AFNR course not requiring prerequisites*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

This course is designed to introduce students to the scientific principles of equine animal systems and to the equine industry. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

LIVESTOCK PRODUCTION
Course: 8001 | PEIMS: 13000300
Grade Placement: *10-12* ***Length of course:*** *Year* ***Program of Study:*** *Animal Science*
Prerequisite: *Recommended Principles of Ag, Food, and Natural Resources*
What's Next: *Any other AFNR course not requiring prerequisites*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

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.

ADVANCED ANIMAL SCIENCE
Course: 8007 | PEIMS: 13000700
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Animal Science*
Prerequisite: *Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production. Students must meet the 40% laboratory and fieldwork requirement.*
What's Next: *Practicum or Completion of pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.*
Course Level: *Level 4*

Advanced Animal Science 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 class meets off-campus at the MISD Ag. Barn. Transportation is required please contact your counselor for more information.

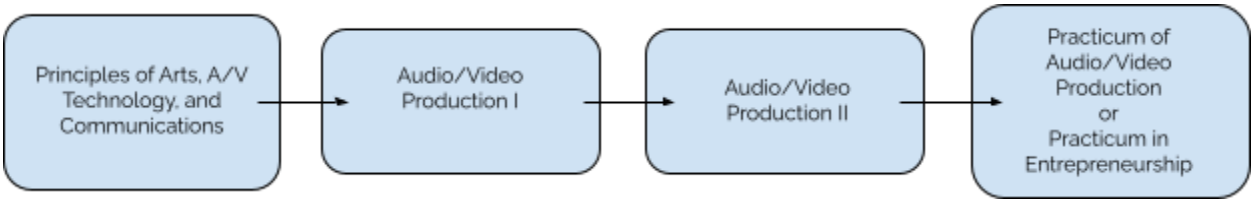
PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCES
Course: 8043 | PEIMS: 13002500
Grade Placement: *12* ***Length of course:*** *Year* ***Program of Study:*** *All AFNR Pathways*
Prerequisite: *a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.*
What's Next: *Completion of pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

The students will develop advanced supervised experience in the career fields related to agriculture, food, and natural resources. Students will be involved in a well-rounded program in agriculture.

Business and Industry Endorsement: Arts, Audio/Video Technology, and Communication Cluster (AAVTC)

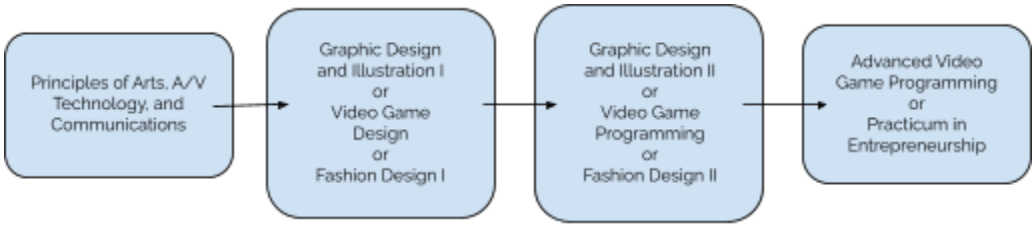
AAVTC Cluster: Digital Communication Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Adobe Certified Professional in Visual Design Using Adobe Photoshop • Broadcasting and Journalism



Graphic Design & MultiMedia Arts Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
• Adobe Certified Professional in Visual Design Using Adobe Photoshop
• CodeHS Python Level 1 Certification



PRINCIPLES OF ARTS, A/V TECHNOLOGY AND COMMUNICATION
Course: 8100 | PEIMS: 13008200
Grade Placement: *8-10* ***Length of course:*** *Year* ***Program of Study:*** *All AAVTC Pathways*
Prerequisite: *None*
What's Next: *Any other AAVTC pathway course not requiring prerequisites*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

In the Principles of Art, Audio/Video Technology & Communications course, students will gain experience in computer & technology applications and become proficient in oral and written communication.

AUDIO/VIDEO PRODUCTION I
Course: 8109 | PEIMS: 13008500
Grade Placement: *10-12* ***Length of course:*** *Year* ***Program of Study:*** *Digital Communications*
Prerequisite: *Recommended Principles of Arts, Audio/Video Technology, and Communications. Application process/instructor approval.*
What's Next: *Any other AAVTC pathway course not requiring prerequisites or A/V Production II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

This course will help students interested in careers in audio/visual technology and film production. Students will be expected to develop an understanding of pre-production, production, and post production audio/visual activities as well as strong communication skills. Requires participation in after school events, some of which may be compensated. (10th Grade Digital and Interactive Media)

AUDIO/VIDEO PRODUCTION II
Course: 8112 | PEIMS: 13008610
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Digital Communications*
Prerequisite: *Audio/Video Production I, Application process/instructor approval.*
What's Next: *Any other AAVTC pathway course not requiring prerequisites or Practicum in A/V Production*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This course is an extension of Audio/Video Production. In this course, the students employ communication and leadership skills, problem-solving, conflict resolution, effective working relationships, and displays knowledge of digital and recording equipment. Requires participation in after-school events, some of which may be compensated.

PRACTICUM IN AUDIO/VISUAL PRODUCTION
Course: 8113 | PEIMS: 13008700
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Digital Communications*
Prerequisite: *Audio/Video Production II, Application process/instructor approval.*
What's Next: *Any other AAVTC pathway course not requiring prerequisites or Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*
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 advanced 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 pre-production, production, and post-production audio and video activities in a studio environment.

VIDEO GAME DESIGN
Course: 8152 | PEIMS: 13009970
Grade Placement: *10-12* ***Length of course:*** *Year* ***Program of Study:*** *Graphic Design & Multimedia Arts*
Prerequisite: *Recommended Principles of Art, Audio/Video Technology, and Communications*
What's Next: *Any other AAVTC pathway course not requiring prerequisites or Video Game Programming*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

The student will be provided the opportunity to design, program, and create a functional video game. The course will introduce basic programming language and skills that are essential to developing a video game. Topics covered are mathematics, physics, design, and computer programming.

VIDEO GAME PROGRAMMING
Course: 8153 | PEIMS: N1300994
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Graphic Design & Multimedia Arts*
Prerequisite: *Video Game Design I*
What's Next: *Any other AAVTC pathway course not requiring prerequisites or Advanced Video Game Programming*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

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
Course: 8154 | PEIMS: N1300995
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Graphic Design & Multimedia Arts*
Prerequisite: *Video Game Programming*
What's Next: *Any other AAVTC pathway course not requiring prerequisites or Completion of Pathway or Practicum in Entrepreneurship*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

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.

GRAPHIC DESIGN AND ILLUSTRATION
Course: 8117 | PEIMS: 13008800
Grade Placement: *10-12* ***Length of course:*** *Year* ***Program of Study:*** *Graphic Design & Multimedia Arts*
Prerequisite: *Recommended Principles of Arts, Audio/Video Technology and Communications*
What's Next: *Graphic Design and Illustration II or Any other AAVTC course not requiring prerequisites*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

Graphic Design and Illustration spans all aspects of the ad advertising and visual communication 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 are expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

GRAPHIC DESIGN AND ILLUSTRATION II
Course: 8119 | PEIMS: 13008900
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Graphic Design & Multimedia Arts*
Prerequisite: *Graphic Design and Illustration I.*
What's Next: *Any other AAVTC pathway course not requiring prerequisites or Practicum in Entrepreneurship*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

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.

GRAPHIC DESIGN AND ILLUSTRATION II with LAB
Course: 8120 | PEIMS: 13008910
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Graphic Design & Multimedia Arts*
Prerequisite: *Graphic Design and Illustration I.*
What's Next: *Any other AAVTC pathway course not requiring prerequisites or Practicum in Entrepreneurship*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This course will 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.

FASHION DESIGN I
Course: 8133 | PEIMS: 13009300
Grade Placement: *10-12* ***Length of course:*** *Year* ***Program of Study:*** *Graphic Design & Multimedia Arts*
Prerequisite: *Recommended Principles of Arts, Audio/Video TEchnology and Communications*
What's Next: *Any other AAVTC pathway course not requiring prerequisites or Fashion Design II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

This course will span all aspects of the textile and apparel industries. 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 fashion industry with an emphasis on design and construction.

FASHION DESIGN II
Course: 8133 | PEIMS: 13009400
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Graphic Design & Multimedia Arts*
Prerequisite: *Fashion Design I*
What's Next: *Any other AAVTC pathway course not requiring prerequisites or Practicum in Entrepreneurship*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This course will span all aspects of the textile and apparel industries. 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 fashion industry with an emphasis on design and construction.

PRACTICUM IN ENTREPRENEURSHIP (MILE)
Course: 8312 | PEIMS: N1303425
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Entrepreneurship II* ***Program of Study:*** *Multiple Pathways*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

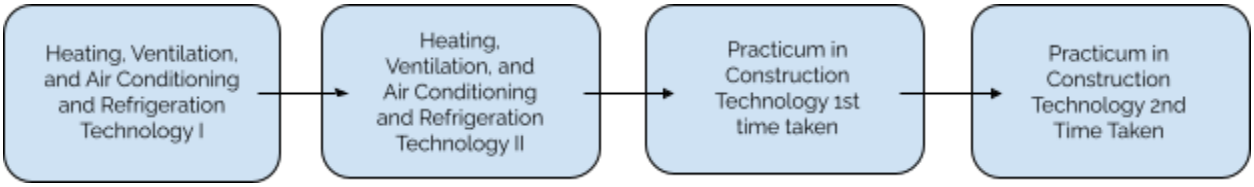
The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster.

Business and Industry Endorsement: Architecture and Construction Career Cluster

Architecture and Construction Cluster: HVAC and Sheet Metal Pathway Statewide Program of Study

All courses are taught at Texas State Technical College. Transportation is provided.

Industry Based Certifications from this Program of Study: Completed through Texas State Technical College



HVAC Technician Pathway – Texas State Technical College
Students will have access to industry-standard labs on high-efficiency heating and air conditioning equipment, heat pumps, refrigeration, and a 200-ton chilled water system. Students will learn the beginning skills to service both commercial and residential HVAC systems.

HEAT, VENTILATION, AND AIR CONDITIONING (HVAC) AND REFRIGERATION TECHNOLOGY I
HART 1301/BASIC ELECTRICITY FOR HVAC
Course: 8227 | PEIMS: 13005800
Grade Placement: *10-11* ***Length of course:*** *Semester- Fall, paired with HVAC and Refrigeration II*
Prerequisite: *Registration via the school counselor for TSTC*
What's Next: *HVAC and Refrigeration Technology II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Dual Enrollment CTE*

Principles of electricity as required by HVAC including proper use of test equipment, electrical circuits, and component theory and operation. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

HEAT, VENTILATION, AND AIR CONDITIONING (HVAC) AND REFRIGERATION TECHNOLOGY II
HART 1307/REFRIGERATION PRINCIPLES
Course: 8228 | PEIMS: 13005900
Grade Placement: *10-11* ***Length of course:*** *Semester- Spring*
Prerequisites: *HVAC and Refrigeration Technology I*
What's Next: *Practicum in Construction Technology 1st Time Taken*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Dual Enrollment CTE*

An introduction to the refrigeration cycle heat transfer theory, temperature/pressure relationship, refrigerant handling, refrigeration components and safety. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for course by credit hour. See TSTC's website for course fee information.

PRACTICUM IN CONSTRUCTION TECHNOLOGY 1ST TIME TAKEN
HART 1310/HVAC SHOP PRACTICES AND TOOLS
Course: 8231 | PEIMS: 13005250
Grade Placement: *11-12* ***Length of course:*** *Semester- Fall*
Prerequisites: *HVAC and Refrigeration II*
What's Next: *Practicum in Construction Technology 2nd time taken*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Dual Enrollment CTE*

Tools and instruments used in the HVAC industry. Includes proper application use and care of these tools and tubing and piping practices. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

PRACTICUM IN CONSTRUCTION TECHNOLOGY 2ND TIME TAKEN
HART 1345/GAS AND ELECTRIC HEATING
Course: 8232 | PEIMS: 13005260
Grade Placement: *11-12* ***Length of course:*** *Semester- Spring*
Prerequisites: *HVAC and Refrigeration I grade of B or better, HVAC and Refrigeration II, Practicum in Construction Technology 1st time taken*
What's Next: *Completion of pathway at TSTC*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Dual Enrollment CTE*

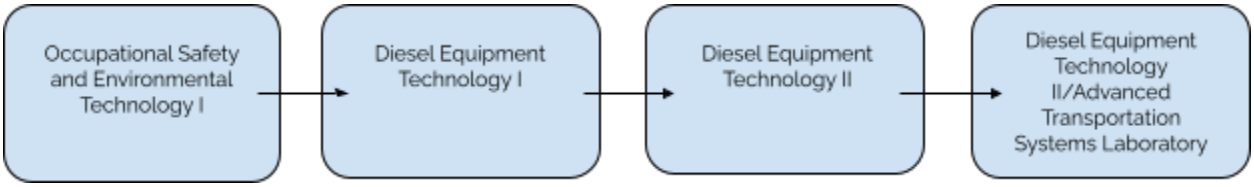
Study of procedures and principles used in servicing heating systems including gas fired furnaces and electric heating systems. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

Business & Industry Endorsement
Transportation, Distribution, and Logistics Cluster

Transportation, Distribution, and Logistics Cluster: Diesel and Heavy Equipment Pathway Statewide Program of Study

All courses are taught at Texas State Technical College. Transportation is provided.

Industry Based Certifications from this Program of Study: Completed through Texas State Technical College



Diesel Equipment Technology Pathway - Texas State Technical College
The Diesel Equipment Technology program provides courses designed to prepare students for diesel equipment service and repair careers. Students will learn the hands-on skills needed to service and repair diesel equipment on trucks, buses and other vehicles. These courses are offered at TSTC (Texas State Technical College) in Red Oak.

OCCUPATIONAL SAFETY & ENVIRONMENTAL TECHNOLOGY
DEMR 1301/SHOP SAFETY PROCEDURES
Course: 8045 | PEIMS: N1303680
Grade Placement: *10-11* ***Length of course:*** *Semester Fall- paired with Diesel Equipment Tech I*
Prerequisites: *Registration via your school counselor for TSTC*
What's Next: *Diesel Equipment Technology I*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Dual Credit CTE*

A study of shop safety rules, basic shop tools and test equipment. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

DIESEL EQUIPMENT TECHNOLOGY I
DEMR 1317/BASIC BRAKE SYSTEMS
Course: 8046 | PEIMS: 13040150
Grade Placement: *10-11* ***Length of course:*** *Semester- Spring*
Prerequisites: *Occupational Safety & Environmental Technology*
What's Next: *Diesel Equipment Technology II*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Dual Credit CTE*

Basic principles of brake systems of diesel powered equipment. Emphasis on maintenance repairs and troubleshooting. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

DIESEL EQUIPMENT TECHNOLOGY II
DEMR 1410/DIESEL ENGINE TESTING AND REPAIR I
Course: 8047 | PEIMS: 13040160
Grade Placement: *11-12* ***Length of course:*** *Semester- Fall, paired with Diesel Equip Tech II/Lab*
Prerequisites: *Diesel Equipment Technology I*
What's Next: *Diesel Equipment Technology II/Advanced Transportation Systems Laboratory*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Dual Credit CTE*

An introduction to testing and repairing diesel engines including related systems and specialized tools. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

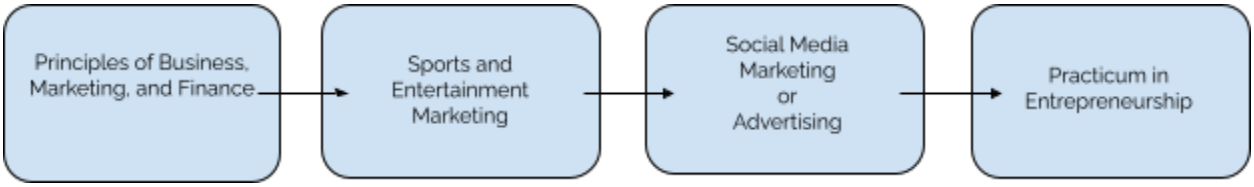
DIESEL EQUIPMENT TECHNOLOGY II/ADVANCED TRANSPORTATION SYSTEMS LABORATORY
DEMR 2412/DIESEL ENGINE TESTING AND REPAIR II
Course: 8048 | PEIMS: 13040170
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Diesel Equipment Technology I*
What's Next: *Completion of pathway at TSTC*
Level Down: *None* ***Credits:*** *3.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Dual Credit CTE*

Continuation of diesel engine testing and repair. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

Business & Industry

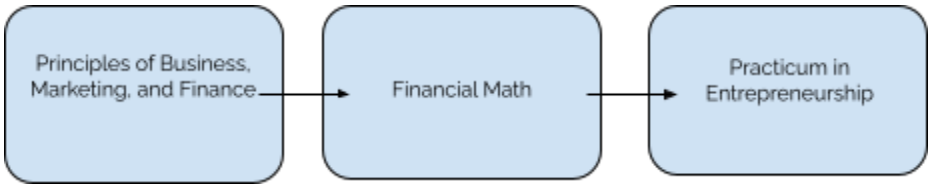
Business, Marketing, and Finance Career Cluster: Marketing & Sales Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Entrepreneurship and Small Business



Business, Marketing, and Finance Career Cluster: Accounting & Financial Services Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• No current IBCs

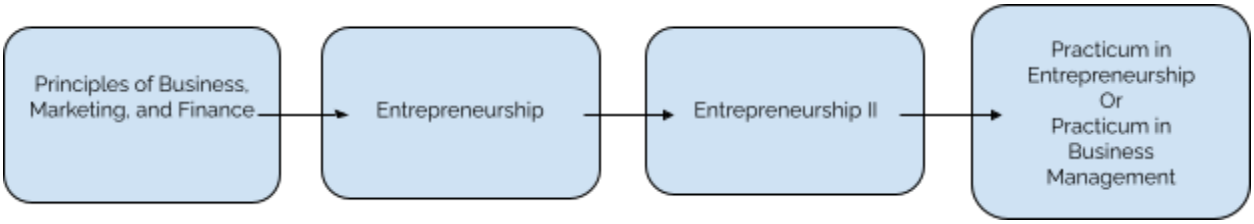


Business, Marketing, and Finance Career Cluster: Business Management Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Entrepreneurship and Small Business

Business, Marketing, and Finance Career Cluster: Entrepreneurship Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Entrepreneurship and Small Business



PRINCIPLES OF BUSINESS, MARKETING AND FINANCE
Course: 8300 | PEIMS: 13011200
Grade Placement: *9-11* ***Length of course:*** *Year* ***Program of Study:*** *All Business Pathways*
Prerequisites: *None*
What's Next: *Any other Business pathway course not requiring prerequisites*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

Students gain knowledge and skills in economies and private enterprise systems, impact of global business, marketing of goods and services, advertising, and product pricing.

SPORTS AND ENTERTAINMENT MARKETING (paired with Social Media Marketing)
Course: 9311 | PEIMS: 13034600
Grade Placement: *10-12* ***Length of course:*** *Semester*
Program of Study: *Marketing & Sales, Business Management, and Travel, Tourism, and Attractions Pathways*
Prerequisites: *Recommended Principles of Business, Marketing, and Finance*
What's Next: *Any other Business pathway course not requiring prerequisites*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

This course 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.

SOCIAL MEDIA MARKETING (paired with Sports and Entertainment Marketing)

Course:9304 | PEIMS: 13034650
Grade Placement: *10-12* ***Length of course:*** *Semester*
Program of Study: *Marketing & Sales and Business Management Pathways*
Prerequisites: *Recommended Principles of Business, Marketing, and Finance*
What's Next: *Any other Business pathway course not requiring prerequisites*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

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.

FINANCIAL MATHEMATICS
Course: 8508 | PEIMS: 13018000
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Algebra I*
What's Next: *Any other Business pathway course not requiring prerequisites*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No, but meets state requirement towards Math credits or can count towards CTE pathway for endorsement*
Course Level:

This course is designed to integrate personal financial education, career discovery, postsecondary education planning, and reality-based math with critical thinking, problem solving, team building, and project based learning. It is challenging and engaging, offering students a comprehensive view of real life, including credit-card debt, health care options, income tax preparation, retirement planning, etc.

BUSINESS MANAGEMENT
Course: 8311 | PEIMS: 13012100
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Business, Marketing, and Finance*
Program of Study: *Business Management Pathway*
What's Next: *Any other Business pathway course not requiring prerequisites*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

Students will analyze social responsibility for business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, employment and real estate.

HUMAN RESOURCE MANAGEMENT (paired with Global Business)
Course: 8309 | PEIMS: 13011900
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Business, Marketing, and Finance*
Program of Study: *Business Management Pathway*
What's Next: *Any other Business pathway course not requiring prerequisites*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This course is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.

GLOBAL BUSINESS (paired with Human Resource Management)
Course: 8308 | PEIMS: 13011800
Grade Placement: *10-12* ***Length of course:*** *Semester*
Prerequisites: *Recommended Principles of Business, Marketing, and Finance*
Program of Study: *Business Management and Travel, Tourism, and Attractions Pathways*
What's Next: *Any other Business pathway course not requiring prerequisites*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.

ENTREPRENEURSHIP (MILE)
Course: 9302 | PEIMS: 13034400
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Business, Marketing, and Finance*
Program of Study: *Entrepreneurship and Travel, Tourism, and Attractions Pathways*
What's Next: *Any other Entrepreneurship pathway course not requiring prerequisites, recommended Entrepreneurship II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

In this course, students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students will understand the capital required, the return on investment desired, and the potential for profit.

ENTREPRENEURSHIP II (MILE)
Course: 9302 | PEIMS: N1303423
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Entrepreneurship I* ***Program of Study:*** *Entrepreneurship Pathway*
What's Next: *Any other Entrepreneurship pathway course not requiring prerequisites, recommended Practicum in Entrepreneurship*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

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

PRACTICUM IN ENTREPRENEURSHIP (MILE)
Course: 8312 | PEIMS: N1303425
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Entrepreneurship II* ***Program of Study:*** *Entrepreneurship Pathway*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

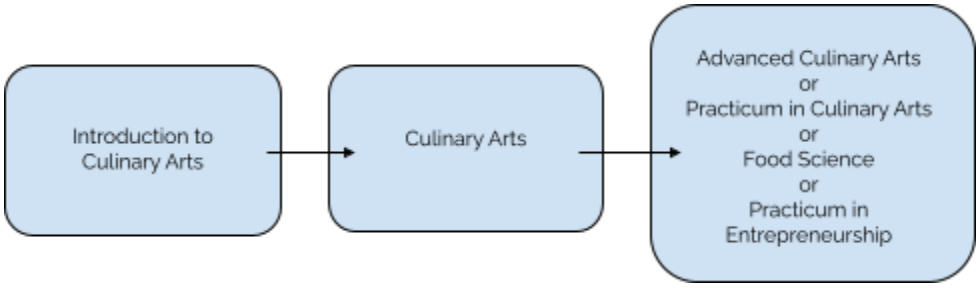
The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster.

PRACTICUM IN BUSINESS (MILE)
Course: 8312 | PEIMS: 13012200
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Recommended Any Business, Marketing or Finance course. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills.*
What's Next: *Completion of a pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

Students apply technical skills to address business applications of emerging technologies. They will develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers and employees. This is a work-based learning program. Students must have and maintain a job to remain in the program. Work based employment may be paid or unpaid internships to fulfill the course requirements.

Hospitality and Tourism Career Cluster: Culinary Arts Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• ServSafe Manager



Travel, Tourism, and Attractions Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Entrepreneurship and Small Business

INTRODUCTION TO CULINARY ARTS
Course: 8803 | PEIMS: 13022550
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Hospitality and Tourism* ***Program of Study:*** *Culinary Arts*
What's Next: *Culinary Arts*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

This course 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.

CULINARY ARTS (MILE)
Course: 8804 | PEIMS: 13022600
Grade Placement: *11-12* ***Length of course:*** *Year*
Program of Study: *Culinary Arts*
Prerequisites: *Introduction to Culinary Arts and Application process with teacher approval*
What's Next: *Advanced Culinary Arts*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

This course focuses on the fundamentals and principles of the art of cooking, science of baking, and includes management and production skills and techniques.

ADVANCED CULINARY ARTS (MILE- NOT Scratch Kitchen)
Course: 8805 | PEIMS: 13022650
Grade Placement: *11-12* ***Length of course:*** *Year*
Program of Study: *Culinary Arts*
Prerequisites: *Culinary Arts*
What's Next: *Practicum in Culinary Arts or Practicum in Entrepreneurship*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This course extends content and enhances skills introduced in culinary arts by infusing high-level, industry-driven content to prepare students for success in higher education, certifications, and/or immediate employment. This mid-level course will increase students' depth of knowledge and experience in specific areas including baking, protein selection, advanced nutrition, and sustainability. Students will trace the origin of food recipes and preparation. They will be able to apply the USDA regulatory method of grading food as they select items for production. Students will differentiate between front and back of the house roles and how these areas work together to create a successful operation. Students will prepare for national certifications that will provide them an advantage for scholarships, college admittance, and employment.

PRACTICUM IN CULINARY ARTS (1st time taken) (MILE- Scratch Kitchen)
Course: 8806 | PEIMS: 13022700
Grade Placement: *11- 12* ***Length of course:*** *Year* ***Program of Study:*** *Culinary Arts*
Prerequisites: *Culinary Arts*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with business and industry experience. Enrollment in Practicum in Culinary Arts requires a commitment to before and after school events.

FOOD SCIENCE (MILE)
Course: 8815 | PEIMS: 13023000
Grade Placement: *11-12* ***Length of course:*** *Year* ***Program of Study:*** *Culinary Arts*
Prerequisites: *Three units of science, including Chemistry and Biology.*
What's Next: *Practicum in Culinary Arts or Completion of Pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits or can count towards CTE pathway for endorsement*
Course Level: *Level 4*

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement.

ENTREPRENEURSHIP (MILE)
Course: 9302 | PEIMS: 13034400
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Business, Marketing, and Finance*
Program of Study: *Entrepreneurship and Travel, Tourism, and Attractions Pathways*
What's Next: *Any other Entrepreneurship pathway course not requiring prerequisites, recommended Entrepreneurship II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

In this course, students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students will understand the capital required, the return on investment desired, and the potential for profit.

SPORTS AND ENTERTAINMENT MARKETING
Course: 9311 | PEIMS: 13034600
Grade Placement: *10-12* ***Length of course:*** *Semester*
Program of Study: *Marketing & Sales, Business Management, and Travel, Tourism, and Attractions Pathways*
Prerequisites: *Recommended Principles of Business, Marketing, and Finance*
What's Next: *Any other Business pathway course not requiring prerequisites*

Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

This course 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.

GLOBAL BUSINESS
Course: 8308 | PEIMS: 13011800
Grade Placement: *12* ***Length of course:*** *Semester*
Prerequisites: *Recommended Principles of Business, Marketing, and Finance*
Program of Study: *Business Management and Travel, Tourism, and Attractions Pathways*
What's Next: *Any other Business pathway course not requiring prerequisites*
Level Down: *None* ***Credits:*** *0.5* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

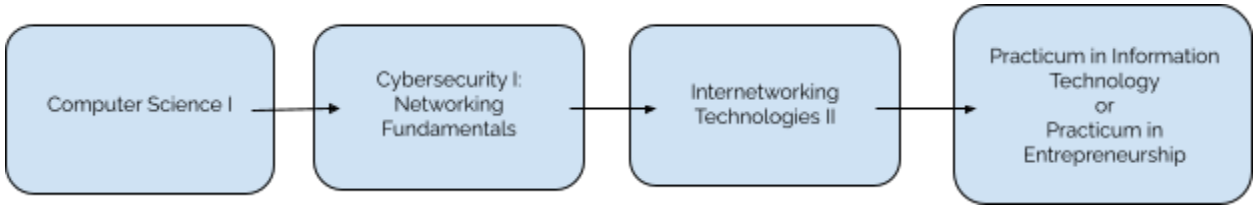
Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.

PRACTICUM IN ENTREPRENEURSHIP (MILE)
Course: 8312 | PEIMS: N1303425
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Level 2 or 3 course in pathway* ***Program of Study:*** *Multiple Pathways*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, 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

Information Technology Career Cluster:
Networking Systems Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• CompTIA Network+ • CompTIA A+ Certification • CompTIA Server+



CYBERSECURITY I: NETWORKING FUNDAMENTALS (MILE)
(COURSE PREVIOUSLY NAMED: INTERNETWORKING TECHNOLOGIES I)
Course: 9016 | PEIMS: N1302803
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Cybersecurity*
What's Next: *Internetworking Technologies II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

The Cybersecurity 1: Networking Fundamentals course introduces students to the foundations of computer networking, which is critical to understanding cybersecurity concepts at a deeper level. In this course, students learn about various network devices like switches, routers, and firewalls as well as protocols that power digital communication. This course is built to engage and support students with all levels of experience in computing.

INTERNETWORKING TECHNOLOGIES II (MILE)
Course: 9017 | PEIMS: N1302804
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Cybersecurity I: Networking Fundamentals (Internetworking Technologies I)*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

The Internetworking Technologies II covers the architecture, components, and operations of routers and switches in larger and more complex networks. Students learn how to configure routers and switches for advanced functionality. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements.

PRACTICUM IN INFORMATION TECHNOLOGY (MILE)
Course: 9010 | PEIMS: 13028000
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Recommended minimum of 2 IT courses*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

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.

PRACTICUM IN ENTREPRENEURSHIP (MILE)
Course: 8312 | PEIMS: N1303425
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Level 2 or 3 course in pathway* ***Program of Study:*** *Multiple Pathways*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and

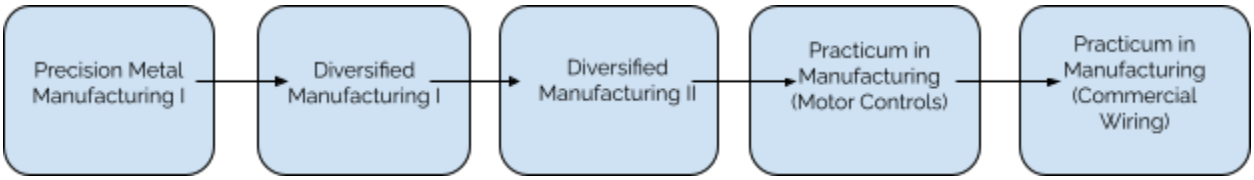
professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster.

Business & Industry Endorsement

Manufacturing Career Cluster:
Manufacturing Technology Pathway Statewide Program of Study

All courses in this pathway are taught at Texas State Technical College. Transportation is provided.

Industry Based Certifications from this Program of Study:
Completed through Texas State Technical College



Industrial Systems Mechanic Electrical Pathway - TSTC
Students will learn how systems work together in a facility, gaining knowledge of mechanical and electrical systems and how to troubleshoot them. Students will be able to diagnose and make repairs by applying training in commercial facilities to build a great career.

PRECISION METAL MANUFACTURING I
INMT 1305/INTRODUCTION TO INDUSTRIAL MAINTENANCE
Course: 8217 | PEIMS: 13032500
Grade Placement: *10-11* ***Length of course:*** *Semester*
Prerequisites: *None*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

Basic mechanical skills and repair techniques common to most fields of industrial maintenance. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

DIVERSIFIED MANUFACTURING I
INMT 2303/PUMPS, COMPRESSORS & MECHANICAL DRIVES
Course: 8218 | PEIMS: 13032650
Grade Placement: *10-11* ***Length of course:*** *Semester*
Prerequisites: *Precision Metal Manufacturing I*
What's Next: *Diversified Manufacturing II*

Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

A study of the theory and operations of various types of pumps and compressors. Topics include mechanical power transmission systems including gears, v-belts and chain drives. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

DIVERSIFIED MANUFACTURING II
ELPT 1311/BASIC ELECTRICAL THEORY
Course: 8219 | PEIMS: 13032660
Grade Placement: *11-12* ***Length of course:*** *Semester*
Prerequisites: *Diversified Manufacturing I*
What's Next: *Practicum in Manufacturing*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

Basic theory and practice of electrical circuits. Includes calculations as applied to alternating and direct current. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

PRACTICUM IN MANUFACTURING 1ST TIME TAKEN
ELPT 1341/MOTOR CONTROLS
Course: 8220 | PEIMS: 1303300
Grade Placement: *11-12* ***Length of course:*** *Semester*
Prerequisites: *Diversified Manufacturing II*
What's Next: *Practicum in Manufacturing 2nd Time Taken*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

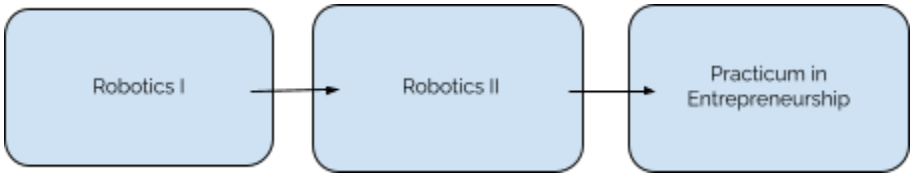
Operating principles of solid-state and conventional controls along with their practical applications. Includes braking, jogging, plugging, safety interlocks, wiring, and schematic diagram interpretations. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

PRACTICUM IN MANUFACTURING 2ND TIME TAKEN
ELPT 1345/COMMERCIAL WIRING
Course: 8221 | PEIMS: 13033010
Grade Placement: *11-12* ***Length of course:*** *Semester*
Prerequisites: *Practicum in Manufacturing 1st Time Taken*
What's Next: *Completion of Pathway at TSTC*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

Commercial wiring methods. Includes overcurrent protection, raceway panel board installation, proper grounding techniques and associated safety procedures. This course is a dual enrollment course offered at TSTC Red Oak. Enrollment requirements for TSTC must be met including payment for the course by credit hour. See TSTC's website for course fee information.

Manufacturing Career Cluster:
Advanced Manufacturing and Machinery Mechanics Pathway Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Currently No IBCs



ROBOTICS I

Course: 000 | PEIMS: 13037000
Grade Placement: *8-10* ***Length of course:*** *Semester*
Prerequisites: *None*
Program of Study: *Advanced Manufacturing and Machinery Mechanics Pathway*
What's Next: *Robotics II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

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.

ROBOTICS II

Course: 000 | PEIMS: 13037050
Grade Placement: *9-11* ***Length of course:*** *Semester*
Prerequisites: *Robotics I*
Program of Study: *Advanced Manufacturing and Machinery Mechanics Pathway*
What's Next: *Practicum in Entrepreneurship*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *1.0*
State Requirement: *No* ***Course Level:*** *Level 3*

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.

PRACTICUM IN ENTREPRENEURSHIP (MILE)

Course: 8312 | PEIMS: N1303425
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Level 2 or 3 course in pathway* ***Program of Study:*** *Multiple Pathways*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, 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.

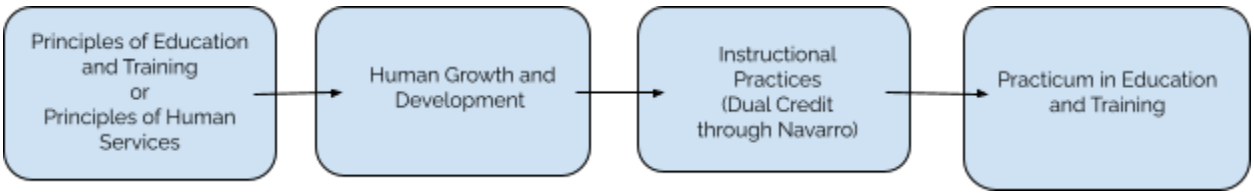
Public Service Endorsement- To complete this endorsement students must complete 3 or more consecutive courses for a total of 4 or more credits in a pathway. This endorsement may be comprised of any of the following career clusters (group of courses):

- Education and Training
- Health Science
- Human Services
- Law and Public Safety

Public Service Endorsement

Education and Training Career Cluster:
Teaching and Training Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Educational Aide I



PRINCIPLES OF EDUCATION AND TRAINING
Course: 8400 | PEIMS: 13014200
Grade Placement: *9-10* ***Length of course:*** *Year*
Prerequisites: *None*
Program of Study: *Teaching and Training Pathway*
What's Next: *Human Growth and Development*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

This course 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.

PRINCIPLES OF HUMAN SERVICES
Course: 8900 | PEIMS: 13024200
Grade Placement: *9-10* ***Length of course:*** *Year*
Prerequisites: *None*
Program of Study: *Teaching and Training Pathway*
What's Next: *Human Growth and Development*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, and manage multiple adult roles. This course introduces students to careers in counseling and mental health, child development, family and community, personal care services, social work, education, hospitality and food service, and interior design. Each student is expected to complete the knowledge and skills essential for success in high-skill, high wage, or high demand careers.

HUMAN GROWTH AND DEVELOPMENT
Course: 8401 | PEIMS: 13014300
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Education and Training or Principles of Human Services*
Program of Study: *Teaching and Training Pathway*
What's Next: *Instructional Practices*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING
Course: 8402 | PEIMS: 13014400
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Education and Training and Human Growth and Development*
Program of Study: *Teaching and Training Pathway*
What's Next: *Practicum in Education and Training*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

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 of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school-aged students. 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
Course: 8403 | PEIMS: 13014500
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Instructional Practices*
Program of Study: *Teaching and Training Pathway*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

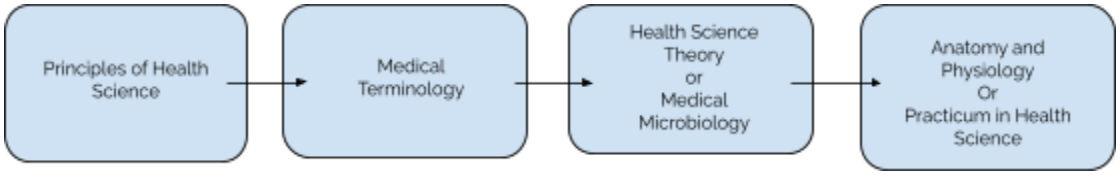
Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both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

Public Service Endorsement

Health Science Career Cluster:

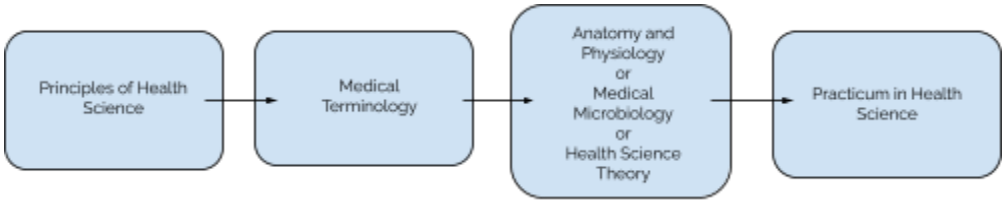
Healthcare Diagnostics Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Emergency Medical Technician- Basic • Phlebotomy Technician



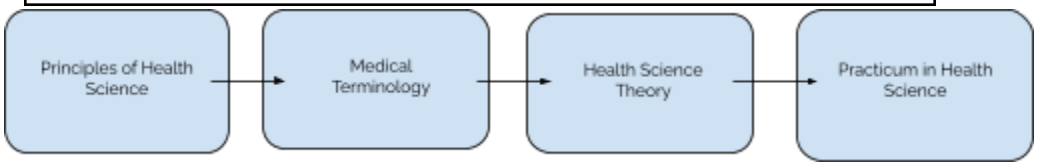
Healthcare Therapeutic Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Emergency Medical Technician- Basic • Phlebotomy Technician • Certified Nurse Aide (CNA)



Medical Therapy Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Emergency Medical Technician- Basic



PRINCIPLES OF HEALTH SCIENCE
Course: 8700 | PEIMS: 13020200
Grade Placement: *9-10* ***Length of course:*** *Year*
Prerequisites: *None*
Program of Study: *All Health Science Pathways*
What's Next: *Medical Terminology*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

(LAB FEE)
The lab fee associated with Principles of Health Science will be used to purchase individual supplies for each enrolled student to successfully complete projects associated with the course. Funds will be allocated to purchase supplies such as scalpels, gloves, personal protective equipment, career-based materials, and in the spring, students will be certified in CPR.

MEDICAL TERMINOLOGY
Course: 8701 | PEIMS: 13020300
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Health Science*
Program of Study: *All Health Science Pathways*
What's Next: *Health Science Theory or Medical Microbiology*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

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.

Medical Terminology Class Supplies (LAB FEE)
The lab fee associated with Medical Terminology will be used to purchase individual supplies for each enrolled student to successfully complete coursework and projects associated with the course. Funds will be allocated to purchase supplies such as index cards for each unit, gloves, miscellaneous medical supplies, and in the Spring, students will be certified in CPR.

MEDICAL MICROBIOLOGY
Course: 8709 | PEIMS: 13020700
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Biology and Chemistry This is a CTE course that will satisfy a high school science graduation requirement.*
Program of Study: *Healthcare Therapeutic, Nursing Science, or Healthcare Diagnostics Pathways*
What's Next: *Practicum in Health Science or Anatomy and Physiology*

Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.* ***Course Level:*** *Level 3*

Microbiology is the science and study of microorganisms and their effect on the human body. This course will include Pathophysiology, which is the study of disturbance of normal mechanical, physical, and biochemical functions, either by disease or other conditions.

HEALTH SCIENCE THEORY
Course: 8702 | PEIMS: 13020400
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Biology, Medical Terminology, and Recommended Principles of Health Science*
Program of Study: *Healthcare Therapeutic, Medical Therapy, or Healthcare Diagnostics Pathways*
What's Next: *Practicum in Health Science or Anatomy and Physiology*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This course provides for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences and exposure to different methodologies such as clinical rotation and career preparation learning.

Health Science Theory
The lab fee associated with Health Science Theory will be used to purchase individual supplies for each enrolled student to successfully complete coursework and projects associated with the course. Funds will be allocated to purchase supplies such as gloves, personal protective equipment, vital signs and first aid supplies, scalpels, project-based materials, and in the Spring, students will have the opportunity to be certified in CPR.

HEALTH SCIENCE THEORY with CLINICAL
Course: 8703 | PEIMS: 13020410
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Biology, Medical Terminology, and Recommended Principles of Health Science*
What's Next: *Practicum in Health Science or Anatomy and Physiology*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This course provides for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences and exposure to different methodologies such as clinical rotation and career preparation learning.

Health Science Theory
The lab fee associated with Health Science Theory will be used to purchase individual supplies for each enrolled student to successfully complete coursework and projects associated with the course. Funds will be allocated to purchase supplies such as gloves, personal protective equipment, vital signs and first aid supplies, scalpels, project-based materials, and in the Spring, students will have the opportunity to be certified in CPR.

ANATOMY AND PHYSIOLOGY
Course: 8704 | PEIMS: 13020600
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Biology* and a second science credit.
Program of Study: *Healthcare Therapeutic, Medical Therapy, or Healthcare Diagnostics Pathways*
What's Next: *Practicum of Health Science* or *Completion of Pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*

State Requirement: State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.* ***Course Level:*** *Level 3*

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.

COLLEGE ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS: BIOL 2401/2402
Course: DC3300 | PEIMS: 13020600
Grade Placement: 11-12 ***Length of course:*** *Year, two college semesters paired together for year long course; equals 4 college hours per semester for a total of 8*
Prerequisites*: Chemistry and Meet dual credit requirements, complete college registration process, proof of enrollment, paid tuition, purchase college textbook(s) and provide evidence to high school by deadline*
What's Next: *Any Additional Upper Level Science Course, Earth Systems, Astronomy, Anatomy and Physiology, AP Biology, AP Chemistry, AP Environmental, College Biology, College Chemistry, or Graduation, if state requirements for Science are met*
Level Down: *None* ***Credits:*** *1* ***Weighted GPA:*** *Yes* ***Weight:*** *1.10*
State Requirement: *No, but meets state requirement towards Science credits*

This laboratory-oriented course includes the study of normal relationships between anatomical structures and physiological functions and the diagnosis and treatment of abnormal conditions of human systems. It is ideal for nursing majors. Eight hours of college science credit will be earned that could be accepted by many colleges. Students must take and pay for both semesters of this course in order to get a full year of high school science credit. This is a college course and follows a college syllabus, therefore grades are only required to be reported at mid-term and semester.

PRACTICUM IN HEALTH SCIENCE
Course: 8704 | PEIMS: 13020500
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Biology and Health Science Theory*
Program of Study: *Healthcare Therapeutic, Medical Therapy, or Healthcare Diagnostics Pathways*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

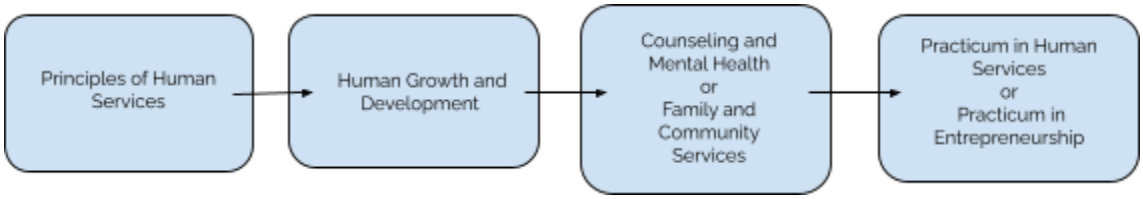
The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their action.

Health Science Practicum
The lab fee associated with Health Science Practicum will be used to purchase individual supplies for each enrolled student to successfully complete skill-based scenarios in the hospital learning lab along with materials needed for the course. Funds will be allocated to purchase supplies such as gloves, personal protective equipment, vital signs and first aid supplies, scalpels, project-based materials, CPR certification, medication administration labs, and will be recertified in CPR prior to graduation. Students will also need to pass a 10-panel drug test performed at MHS and have a senior-level Practicum t-shirt.

Human Services Career Cluster:
Family and Community Services Statewide Program of Study

Industry Based Certifications from this Program of Study:
• Community Mental Health Workers - must be 16 yrs old

- Child Development Associate



PRINCIPLES OF HUMAN SERVICES
Course: 8900 | PEIMS: 13024200
Grade Placement: *9* ***Length of course:*** *Year*
Prerequisites: *None*
Program of Study: *Health and Wellness or Family and Community Services Pathways*
What's Next: *Another course in the pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, and manage multiple adult roles. This course introduces students to careers in counseling and mental health, child development, family and community, personal care services, social work, education, hospitality and food service, and interior design. Each student is expected to complete the knowledge and skills essential for success in high-skill, high wage, or high demand careers.

COUNSELING AND MENTAL HEALTH
Course: 8904 | PEIMS: 13024600
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Human Services*
Program of Study: *Family and Community Services Pathways*
What's Next: *Practicum in Human Services or Practicum in Entrepreneurship*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

Students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

FAMILY AND COMMUNITY SERVICES
Course: 8907 | PEIMS: 13024900
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Human Services*
Program of Study: *Health and Wellness or Family and Community Services Pathways*
What's Next: *Practicum in Human Services or Practicum in Entrepreneurship*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This laboratory-based course is designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact and provide

services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

PRACTICUM IN HUMAN SERVICES I
Course: 8908 | PEIMS: 13025000
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Human Services*
Program of Study: *Health and Wellness or Family and Community Services Pathways*
What's Next: *Practicum in Human Services II or Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

This practicum provides occupationally specific training and courses on the development of consumer sciences, early childhood development and services, family and community service careers. It is designed to meet the occupational preparation needs and interests based on the Human Services Endorsement. Students will use business/career skills to facilitate client interaction as well as leadership and teamwork skills.

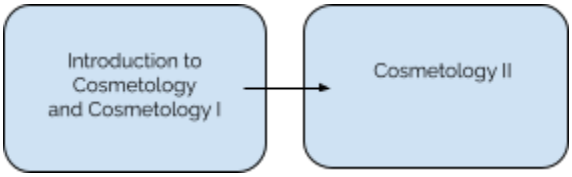
PRACTICUM IN ENTREPRENEURSHIP (MILE)
Course: 8312 | PEIMS: N1303425
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Level 2 or 3 course in pathway* ***Program of Study:*** *Multiple Pathways*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, 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.

Human Services Cluster:
Cosmetology Pathway

All courses are taught at Navarro College.
Transportation is provided.

Industry Based Certifications from this Program of Study:
Completed through Navarro College and the State of Texas



**The Cosmetology I and II courses are only offered at the Navarro Campus. The district provides transportation to and from Navarro Cosmetology. Based on course size limitations, a selection process is in

place. Students should speak directly to their counselor to determine necessary requirements. Fees listed in each course are subject to change.

INTRODUCTION TO COSMETOLOGY
Course: 8913 | PEIMS: 13025100
Grade Placement: *11* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Human Services, Taken with Cosmetology I*
What's Next: *Cosmetology II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:***

This is a dual credit course through Navarro College. Students must complete the application process through Navarro. TSIA-2 is not required for applicants.

In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements.

COSMETOLOGY I
Course: 8914 | PEIMS: 13025200
Grade Placement: *11* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Human Services, Taken with Introduction to Cosmetology*
What's Next: *Cosmetology II*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:***

These laboratory-oriented courses provide students with job-specific training for entry-level employment in the field of Cosmetology. The course includes subject matters such as sterilization and sanitation, shampooing, hair and scalp treatments, haircutting, hairstyling, permanent waving, hair coloring and hair lightening, manicuring and artificial nail application, safety, leadership and career opportunities as well as entrepreneurship. Students must clock the final 500 clock hours to meet the state board guidelines as well as taking the licensing exam in Austin prior to the end of the school year in order to receive course credit. Placement into the Cosmetology 2 program is based solely on the instructor's recommendation using the following criteria: attendance, human relation skills, test scores, practical lab scores and overall manipulative ability. The cost for the state board kit is a minimum of $250.00 with half of the balance being due at the end of the Junior year, remaining balance is due on the first day of school their Senior year.

COSMETOLOGY II
Course: 8915 | PEIMS: 13025300
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Cosmetology I*
What's Next: *Completion of Pathway through Navarro*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:***

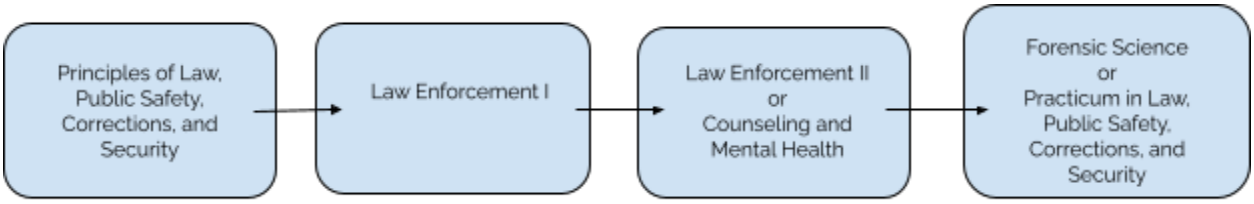
These laboratory-oriented courses provide students with job-specific training for entry-level employment in the field of Cosmetology. The course includes subject matters such as sterilization and sanitation, shampooing, hair and scalp treatments, haircutting, hairstyling, permanent waving, hair coloring and hair lightening, manicuring and artificial nail application, safety, leadership and career opportunities as well as entrepreneurship. Students must clock the final 500 clock hours to meet the state board guidelines as well as taking the licensing exam in Austin prior to the end of the school year in order to receive course credit. Placement into the Cosmetology 2 program is based solely on the instructor's recommendation using the following criteria: attendance, human relation skills, test scores, practical lab scores and overall manipulative

ability. The cost for the state board kit is a minimum of $250.00 with half of the balance being due at the end of the Junior year, remaining balance is due on the first day of school their Senior year.

Public Services

Law Enforcement Statewide Program of Study

Industry Based Certifications from this Program of Study:
• IAED Emergency Telecommunicator



PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY
Course: 9100 | PEIMS: 13029200
Grade Placement: *9* ***Length of course:*** *Year*
Prerequisites: *None*
Program of Study: *Law Enforcement or Legal Studies Pathways*
What's Next: *Another Course in Law Enforcement or Legal Studies Pathways*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

This course introduces students to professions in law enforcement, security, corrections, and fire 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, security, and corrections.

LAW ENFORCEMENT I
Course: 9101 | PEIMS: 13029300
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Law, Public Safety, Corrections, and Security*
Program of Study: *Law Enforcement Pathways*
What's Next: *Law Enforcement II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

This course is an overview of the history, organization, and functions of local, state, and federal law enforcement. It will focus on planning, managing, and providing legal services, public safety, protective services and homeland security, including professional and technical support services. Students will become familiar with law enforcement terminology, the classification and elements of crime, and the ethical behavior standards required for people who choose a career in law enforcement.

FORENSIC SCIENCE
Course: 9103 | PEIMS: 13029500
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Biology and Chemistry*
Program of Study: *Law Enforcement Pathways*
What's Next: *Practicum in Law, Public Safety, Corrections, and Security or Completion of Pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *Yes* ***Weight:*** *1,0*
State Requirement: *No* ***Course Level:*** *Level 2*

This is a CTE course that will satisfy a high school science graduation requirement.

This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies, simulated crime scenes and laboratory applications such as fingerprint analysis, ballistics, blood spatter analysis and DNA. Students will learn the history, legal aspects, and career options for forensic science.

LAW ENFORCEMENT II
Course: 9102 | PEIMS: 13029400
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Law Enforcement I*
Program of Study: *Law Enforcement Pathways*
What's Next: *Practicum in Law, Public Safety, Corrections, and Security*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

This course further explores the knowledge and skills necessary to prepare for a career in law enforcement, including the role of first responders, telecommunications personnel, emergency equipment operators, and courtroom personnel. Topics will include techniques used to manage crisis situations and maintain public safety, protocols for domestic violence situations, procedures for serving warrants and summons, crowd control methods, disaster response roles, and crime scene investigation.

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY
Course: 0000 | PEIMS:13030100
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Law Enforcement II or Court Systems and Practices*
Program of Study: *Law Enforcement or Legal Studies Pathways*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

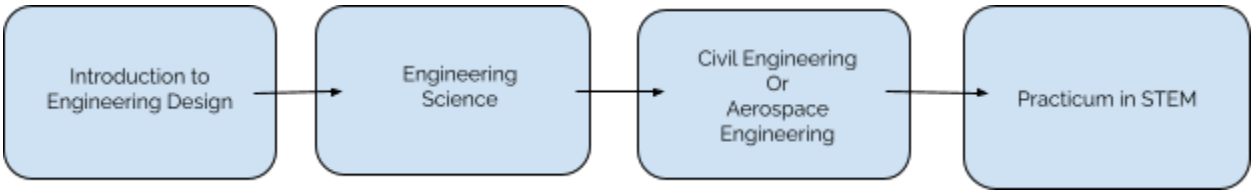
The Law, Public Safety, Corrections, and Security Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. The practicum course is designed to give students supervised 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.

Science, Technology, Engineering and Math Endorsement

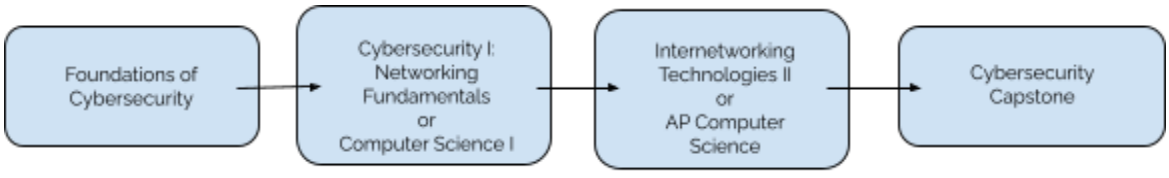
Science, Technology, Engineering and Mathematics Career Cluster: Engineering Statewide Program of Study

Industry Based Certifications from this Program of Study:
• No Current IBCs



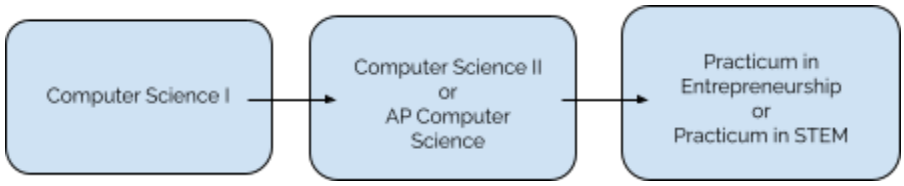
Cybersecurity Statewide Program of Study

Industry Based Certifications from this Program of Study:
• CompTIA A+ Certification • CompTIA Network+ • CompTIA Server+



Programming and Software Development Statewide Program of Study

Industry Based Certifications from this Program of Study:
• CodeHS Python Level 1 Certification



INTRODUCTION TO ENGINEERING DESIGN (Project Lead the Way - PLTW)
Course: 9422 | PEIMS: N1303742
Grade Placement: *9* ***Length of course:*** *Year*
Prerequisites: *None*
Program of Study: *Engineering Pathway*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

ENGINEERING SCIENCE
Course: 9420 | PEIMS: 13037500
Grade Placement: *10* ***Length of course:*** *Year*
Prerequisites: *Introduction to Engineering Design, Algebra I, and two science credits (may be concurrent)*
Program of Study: *Engineering Pathway*
What's Next: *Aerospace Engineering, Civil Engineering, or Practicum in STEM*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *Yes* ***Weight:*** *1.0*
State Requirement: *No, but meets state requirement towards Science credits, This is a CTE course that will satisfy a high school science graduation requirement.* ***Course Level:*** *Level 3*

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

AEROSPACE ENGINEERING (PLTW) (MILE)
Course: 9423 | PEIMS: N1303745
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Introduction to Engineering Design*
Program of Study: *Engineering Pathway*
What's Next: *Engineering Science, Civil Engineering, or Practicum in STEM*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *0.0*
State Requirement: *No* ***Course Level:*** *Level 3*

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

CIVIL ENGINEERING AND ARCHITECTURE (PLTW) (MILE)

Course: 9425 | PEIMS: N1303747
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Introduction to Engineering Design*
Program of Study: *Engineering Pathway*
What's Next: *Aerospace Engineering, Engineering, or Practicum in STEM*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *0.0*
State Requirement: *No* ***Course Level:*** *Level 3*

Students learn 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 3-D architectural design software.

PRACTICUM OF STEM - Engineering (MILE)
Course: 9416 | PEIMS: 13037400
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Algebra I and Geometry*
Program of Study: *Engineering Pathway*
What's Next: *Aerospace Engineering, Civil Engineering, or Practicum in STEM*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *0.0*
State Requirement: *No* ***Course Level:*** *Level 4*

This is a capstone experience for students participating in a coherent sequence of career and technical education courses in the STEM Career Cluster. Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills.

FOUNDATIONS OF CYBERSECURITY
Course: 9041 | PEIMS: 03580850
Grade Placement: *9-10* ***Length of course:*** *Year*
Prerequisites: *None*
Program of Study: *Cybersecurity Pathway*
What's Next: *Internetworking Technologies I or Computer Science I*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 1*

This course develops the knowledge and skills needed to master fundamental concepts of cybersecurity. Students in the course will develop a basic foundation for continuing their cybersecurity education and choosing a career in the cybersecurity field. Students will explore the challenges facing information security professionals related to ethics, system security, network security, and application security. Students will conduct risk assessments and develop and implement security policies to mitigate those risks. Students will examine trends in cyberattacks, common vulnerabilities, and the emergence of cyber terrorism.

CYBERSECURITY I: NETWORKING FUNDAMENTALS (MILE)
(COURSE PREVIOUSLY NAMED: INTERNETWORKING TECHNOLOGIES I)
Course: 9016 | PEIMS: N1302803
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisites: *Recommended Principles of Cybersecurity*
What's Next: *Internetworking Technologies II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 2*

The Cybersecurity 1: Networking Fundamentals course introduces students to the foundations of computer networking, which is critical to understanding cybersecurity concepts at a deeper level. In this course, students learn about various network devices like switches, routers, and firewalls as well as protocols that power digital communication. This course is built to engage and support students with all levels of experience in computing.

INTERNETWORKING TECHNOLOGIES II (MILE)
Course: 9017 | PEIMS: N1302804
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Cybersecurity Capstone or Practicum in Entrepreneurship*
Program of Study: *Cybersecurity Pathway*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*

The Internetworking Technologies II covers the architecture, components, and operations of routers and switches in larger and more complex networks. Students learn how to configure routers and switches for advanced functionality. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements.

COMPUTER SCIENCE I
Course: 9034 | PEIMS: 03580200
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Algebra I*
Program of Study: *Cybersecurity Pathway*
What's Next: *Computer Science II*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language* ***Course Level:*** *Level 2*

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems.

COMPUTER SCIENCE II
Course: 9035 | PEIMS: 03580300
Grade Placement: *9-12* ***Length of course:*** *Year*
Prerequisite: *Algebra I and either Computer Science I or Fundamentals of Computer Science*
Program of Study: *Cybersecurity Pathway*
What's Next: *AP Computer Science*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *2 years of LOTE in the same language* ***Course Level:*** *Level 3*

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems.

AP COMPUTER SCIENCE
This course is only 1 hour during the school day, but earns 2 credits: (1 Math & 1 LOTE)
Grade Placement: *10-12* ***Length of course:*** *Year*
Prerequisite: *Required Algebra I; Recommended Computer Science I and Algebra II*
Program of Study: *Cybersecurity Pathway*
What's Next:
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *Yes* ***Weight:*** *1.15*
State Requirement: *No*

Math
Course: 2203 | PEIMS: A3580110
Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science. The district expectation is that the student will take the appropriate AP Exam for each AP course in which he/she is enrolled.

LOTE
Course: 5308 | PEIMS: A3580120
Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science.

CYBERSECURITY CAPSTONE (MILE)
Course: 9042 | PEIMS: 03580855
Grade Placement: *11-12* ***Length of course:*** *Year*
Prerequisites: *Cybersecurity Capstone or Practicum in Entrepreneurship*
Program of Study: *Cybersecurity Pathway*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *1.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 3*
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. A variety of courses are available to students interested in the cybersecurity field. Cybersecurity Capstone may serve as a culminating course in this field of study.

PRACTICUM IN ENTREPRENEURSHIP (MILE)
Course: 8312 | PEIMS: N1303425
Grade Placement: *12* ***Length of course:*** *Year*
Prerequisites: *Entrepreneurship II* ***Program of Study:*** *Multiple STEM pathways*
What's Next: *Completion of Pathway*
Level Down: *None* ***Credits:*** *2.0* ***Weighted GPA:*** *No* ***Weight:*** *None*
State Requirement: *No* ***Course Level:*** *Level 4*

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, 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.

Midlothian ISD
Personal Graduation Plan (PGP)

High School Four Year Plan with Endorsement - Midlothian ISD

Name:				Student ID:		Date Initiated:	Cohort:
School:		Grade:		Date(s) Amended:		Amendments:	
The Four Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school. You will want to review the plan each year to make sure you are taking the required courses for graduation. Your counselor will have sample Career Plans of Study for each of the endorsements that are listed on this page. You may use these as guides to help you select courses that support your career goals. Make sure that you are taking the academic courses that support your post-secondary goals.				Date(s) Amended:		Amendments:	
				Date(s) Amended:		Amendments:	
				Date(s) Amended:		Amendments:	
Endorsement(s):		**My Post High School Plans:**		**Graduation Plans 2019 and beyond**			
STEM		Two Year College		**Discipline**	**Foundation Credits**	**+Endorsement(s) Credits**	**Distinguished Credits**
Business & Industry		Technical Training		English	4	4	
Arts & Humanities		Four Year College		Math	3	4	include Algebra II
Public Services		Military		Science	3	4	
Multidisciplinary		Employment		Social Studies	3	3-4	
My Graduation Plan Type Is:		Other		Lang. other than English	2	2	
Foundation w/Endorsement		**Career Interest**		Fine Arts	1	1	
Distinguished				Physical Education	1	1	
Foundation w/o Endorsement				Electives	5	6-7	
Opt-Out Date				Total Credits for Graduation	22	26	26

Directions: Students need to complete additional courses in math and science to earn an endorsement. In order to earn the additional distinguished indicator, students must complete Algebra II. Students are also encouraged to take advanced coursework in their academic and career related disciplines.

Courses	High School Credit Earned in Middle School	9th Grade	10th Grade	11th Grade	12th Grade
1		English I	English II	English III	English IV Business English Creative Writing
2		Math:	Math:	Math:	Math:
3		Science:	Science:	Science:	Science:
4		Social Studies:	Social Studies:	U.S. History	Gov't/Eco
5					
6					
7					

I understand that this plan is flexible. I understand the benefits of graduating with an endorsement and in order to be eligible for Top 10% automatic admission to a public university in Texas, a student must graduate on the Distinguished Plan including earning credit for Algebra II.

Student Signature:		**Parent Signature:**		**Date:**

Community Service Hour Requirements for High School Graduation = 10 hours Total or 2.5 hours per year