



Ferris ISD Course Guide

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Foundation High School Program & Endorsements

The Foundation High School Program allows a student to earn an endorsement in one of five areas:

- Arts and Humanities
- Multidisciplinary Studies
- STEM (Science, Technology, Engineering, and Mathematics)
- Business and Industry
- Public Service

Each endorsement includes 26 credits, 22 of which comprise the foundation core. Students are required to select an Endorsement upon entering 9th grade. If the student chooses to change their plan, the student's parent or other person standing in parental relation to the student, and a school counselor or school administrator must agree in writing that the student should be permitted to change any plan. A student may not opt-out of an endorsement until after their sophomore year per TAC 74.11D.

Endorsements With Options

Arts & Humanities Endorsement	Multidisciplinary Endorsement	STEM Endorsement*	Business and Industry Endorsement	Public Services Endorsement
Select from the Options Below:	Select from the Options Below:	Select from the Options Below: <i>*Requires Alg II, Chemistry, and Physics or Principles of Technology</i>	In order for a student to receive a CTE endorsement, students will complete <u>a coherent sequence of 3 or more courses for 4 or more credits within that program of study with the last course being a level 3 or 4 course.</u> Students will also be prepared to take the indicated Industry Based Certification aligned with the program.	
Social Studies- 5 credits in Social Studies	4x4 4 credits in English (including English IV) 4 credits in math 4 credits in science (including chemistry, physics, or principles of technology) 4 credits in social studies	Mathematics 5 Math Credits including 2 advanced math courses beyond Algebra II for which Algebra II is a prerequisite.	Animal Science Agricultural Technology & Mechanical Systems (Welding) Business Management Carpentry Cybersecurity (may also be STEM)	Diagnostic & Therapeutic Services Exercise Science, Wellness & Restoration Family & Community Services Teaching & Training
One Language- 4 credits of the same foreign language Two Languages- 2 levels each in two languages other than English	AP or Dual Credit 4 Credits of AP and/or Dual Credit courses in: ★ English ★ Math ★ Science ★ Social Studies ★ Foreign Language ★ Fine Arts	Science 5 Science credits including Biology, Chemistry, Physics or Principles of Technology, and two additional science courses (not including IPC).	Digital Communications Drone - Unmanned Vehicle Graphic Design & Interactive Media	
Fine Arts- 4 credits from one or two of these areas: Music, Band, Theater, Art	Advanced Combo 4 Advanced Courses from other Endorsement areas	STEM Combo Combo of math and science - See counselor for details CTE STEM: Cybersecurity	Plant Science	



FOUNDATION GRADUATION PLANS

FERRIS ISD GRADUATION REQUIREMENTS

	Foundation Plan **Requires Approval	Foundation Plus Endorsement Plan	Distinguished Level of Achievement **REQUIRED for Top 10%	STAAR END OF COURSE ASSESSMENT REQUIRED
Subject	Credits	Credits	Credits	
English	4	4	4	English I English II
Math	3	4	4 (Must take Algebra II)	Algebra I
Science	3	4	4	Biology
Social Studies	3	3	3	US History
Foreign Language	2	2	2	
Fine Arts	1	1	1	
Physical Education	1	1	1	
Dollars & Sense	.5	.5	.5	
Professional Communications, Debate or Communication Applications	.5	.5	.5	
Electives (to include required courses for selected endorsement)		6	6	
Total Credits for Graduation	22	26	26	

Distinguished Level of Achievement:	<ul style="list-style-type: none"> Complete the Foundation Program and Earn at least one Endorsement 4 math credits to include Algebra II 4 science credits <p><i>Only DLA graduates are eligible for the top 10% honors and automatic admission to most Texas public colleges and universities and TEXAS grant eligibility.</i></p>
Performance Acknowledgements	<p>Students will earn Performance Acknowledgements on their transcript for outstanding performance in any of the following areas:</p> <ul style="list-style-type: none"> 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; A score of 3 or above on a College Board Advanced Placement examination Earn an associate degree while in high school. Bilingualism or Bi-literacy certification upon completion of requirements ACT and SAT score (SAT reading and math - 1310 or better) or ACT composite of 28 or better Earn a state-recognized or nationally/ internationally recognized industry based certification/license



TEXAS FIRST EARLY HIGH SCHOOL COMPLETION PROGRAM

The Texas First Diploma is a 22 credit plan where students graduate early and earn a scholarship at any Texas public institution of higher education, including colleges, universities, and technical colleges.

Students who graduate two or more semesters before their class receive a two-semester scholarship, equivalent to the amount of the TEXAS grant, to a participating university listed below. Students who graduate one semester early receive a one-semester scholarship to a participating university. Students may also be eligible for additional financial aid at most of these institutions.

The Texas First Diploma does not guarantee automatic admission for students. A student should consult their counselor for guidance on whether the student's grade point average at graduation qualifies the student for automatic admission under the state's top 10 percent law.

Students who graduate early with a Texas First Diploma may apply to any college or university they choose. However, the scholarship will only apply toward the participating universities listed above.

The scholarship offer will expire at the end of the first academic year following a student's graduation, so students are encouraged to attend college directly after high school.

Student Eligibility

Eligible students must demonstrate college readiness in academics and attitude. Eligibility requirements include the following:

- Texas residency
- FAFSA or TASFA completion
- At least 22 high school credits in any area
- Final GPA equivalent to 3.0 or higher on a 4.0 scale
- Overall score in at least the 80th percentile on one or more of the following assessments: ACT, SAT, PSAT/NMSQT, TSIA/TSIA2, or GED; or, alternatively, a GPA in the top 10 percent of the student's class
- Completion of the STAAR EOC exams in English I or II, Algebra I, and Biology, or completion of eligible substitute assessments
- Demonstration of mastery in each subject area of English/Language Arts, Mathematics, Science, Social Studies, and a language other than English
- Students should contact their counselor to learn more about this program and verify their eligibility.

PERSONAL GRADUATION PLANS

A personal graduation plan will be developed for each high school student. A student must specify upon entering grade 9 which endorsement he or she wishes to pursue. The district encourages all students to pursue a personal graduation plan that includes the completion of at least one endorsement and to graduate with the distinguished level of achievement.

Attainment of the distinguished level of achievement entitles a student to be considered for automatic admission to a public four-year college or university in Texas, depending on his or her rank in class. The school will review personal graduation plan

options with each student entering grade 9 and his or her parent. The student's personal graduation plan will outline an appropriate course sequence based on the student's choice of endorsement.

TESTING REQUIREMENTS FOR GRADUATION

STAAR end-of-course (EOC) assessments are administered for the following courses:

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

Satisfactory performance on the applicable assessments is required for graduation, unless waived or substituted as allowed by state law and rules. There are three testing windows during the year in which a student may take an EOC assessment. The windows occur in the fall, spring, and summer months. If a student does not meet satisfactory performance, the student will have opportunities to retake the assessment.

STAAR Alternate 2 is available for eligible students receiving special education services who meet certain criteria established by the state as determined by the student's ARD committee. An admission, review, and dismissal (ARD) committee for a student receiving special education services will determine whether successful performance on the EOC assessments will be required for graduation within the parameters identified in state rules and the student's personal graduation plan (PGP). If a student does not perform satisfactorily on an EOC, the district will provide accelerated instruction. Failure of a student to attend accelerated instruction may result in violations of required school attendance.

COURSE CREDIT & GRADE-LEVEL CLASSIFICATION

Certificates of Coursework Completion: A certificate of coursework completion may be issued to a student who has successfully completed state and local credit requirements for graduation but has not yet demonstrated satisfactory performance on the state-mandated tests required for graduation.

Course Credit: A student at any grade level enrolled in a high school course will earn credit for the course only if the final grade is 70 or above. For a two-part (two-semester, 1-credit course), the student's grades from both halves (semesters) will be averaged and credit will be awarded if the combined average is 70 or above. If the student's combined average is less than 70, the student will be awarded credit only for the half (semester) with the passing grade.

Credit by Examination:

If a Student Has Taken the Course/Subject: A student who has previously taken a course or subject but did not receive credit or a final grade for it may, in circumstances determined by the principal or attendance committee, be permitted to earn credit or a final grade by passing an examination approved by the district's board of trustees on the essential knowledge and skills defined for that course or subject. Examples of prior instruction include incomplete coursework due to a failed course or excessive absences, homeschooling, or coursework by a student transferring from a nonaccredited school.

The opportunity to earn credit by examination after the student has had prior instruction is sometimes referred to as "credit recovery." If the student is granted approval to take an examination for this purpose, the student must score at least 70 on the examination to receive credit for the course or subject. The attendance review committee may also offer a student with excessive absences an opportunity to earn credit for a course by passing an examination.

Credit by Examination for Advancement/Acceleration:

If a Student Has Not Taken the Course/Subject: A student will be permitted to earn credit by examination for an academic course or subject area for which the student had no prior instruction for advancement or to accelerate to the next grade level. The examinations offered by the district are approved by the district's board of trustees. Testing windows for these examinations will be published in district publications and on the district's website. A student may take a specific examination only once per testing window. The only exceptions to the published testing windows will be for examinations administered by another entity or to accommodate a student experiencing homelessness or a student involved in the foster care system. When another entity administers an examination, the student and the district must comply with the testing schedule of the other entity. If a student plans to take an examination, the student or parent must register with the school counselor no later than 30 days prior to the scheduled testing date.

Students in Grades 6–12 A student in grade 6 or above is eligible to earn course credit with;

- A passing score of at least 80 on an examination approved by the board; or
- A scaled score of 50 or higher on an examination administered through the College Level Examination Program (CLEP), or
- A score of 3 or higher on an AP examination, as applicable.

A student may take an examination to earn high school course credit no more than twice. If a student fails to achieve the designated score on the applicable exam before the beginning of the school year in which the student would need to enroll in the course according to the school's high school course sequence, the student must complete the course.

Grade-Level Classification:

Grade-level advancements for students in grades 9-12 are determined by earned course credits. After the ninth grade, students are classified according to the number of credits earned toward graduation.

Credits Earned	Grade Classification
6.0 - 12.5	10th - Sophomore
13.0 - 17.5	11th - Junior
18.0 +	12th - Senior

EARNING COLLEGE CREDITS WHILE IN HIGH SCHOOL

Students in grades 9–12 may earn college credit through the following opportunities:

- Certain courses taught at the high school campus, which may include courses termed dual credit, Advanced Placement (AP), International Baccalaureate (IB), or college preparatory;
- Enrollment in AP or dual credit courses through the Texas Virtual School Network (TXVSN);
- Enrollment in courses taught in conjunction and in partnership with Dallas College, Navarro College, Texas State Technical College, University of Texas, Lamar College, and other higher education partners, which may be offered on or off campus;
- Enrollment in courses taught at other colleges or universities; and
- Certain Career and Technical Education (CTE) courses.

All these methods have **eligibility requirements** and must be approved prior to enrollment in the course (see [Dual Credit Guidelines](#) below). Please see the school counselor for more information. Depending on the student's grade level and the course, a state-mandated end-of-course assessment may be required for graduation.

Not all colleges and universities accept credit earned in all dual credit or AP courses taken in high school for college credit. Students and parents should check with the prospective college or university to determine if a particular course will count toward the student's desired degree plan.

DUAL CREDIT ENROLLMENT GUIDELINES

❖ Entering 9th Grade Students:

To enroll in dual credit courses during **9th grade, students must pass the TSIA ELAR exam**. The TSIA2 evaluates college readiness in English Language Arts and Reading (ELAR) and Math by assessing skills such as reading, writing, and math, which are essential for success in college-level courses.

TSIA Minimum Standards for College Readiness	
English Language Arts & Reading	≥945 AND Essay ≥5 Or <945 AND Diagnostic Level ≥5 AND Essay ≥5
Math	≥950 Or <950 AND Diagnostic Level = 6

❖ Entering 10th-12th Grade Students:

To enroll in dual credit courses during **10th-12 grade, students must attempt the appropriate TSIA2 Exam (Reading/Math) for the courses they wish to enroll in**. If they do not meet the TSIA2 standard, they may enroll with the following alternate scores:

READING	SCORE		MATH	SCORE
ENGLISH I EOC	Meets Level		ALGEBRA I EOC	Meets Level
ENGLISH II EOC	Meets Level			
SAT - EBRW	>480		SAT	>530
ACT - English & Reading Combined	>40		ACT	>22

If a student has not **met any of the above guidelines, they will meet with the counselor**. Together, they'll review grades, attendance, and any available previous test results to decide which dual credit courses are the best fit.

GENERAL DUAL CREDIT POLICIES

- ❖ Students may take **summer courses after completion of sophomore year only** if they have already successfully completed a dual credit course.
- ❖ Summer Courses will be at the cost of the student.
- ❖ Students must have passed all of their classes in the previous semester and must not have lost any high school credits due to attendance in order to enroll in dual credit.
- ❖ Dual Credit students are responsible for keeping up with emails and correspondence from the professors through the college student management system.

GRADE POINT AVERAGE (GPA) & CLASS RANKING

Weighted Courses

For purposes of class rank calculation, the following courses shall be classified and weighted as Advanced courses: Pre-AP Courses, Honors Courses, Dual Credit Courses, Dual Enrollment Courses, & AP Courses.

Weighted Grading Scale - The District shall convert semester grades earned in eligible courses to grade points in accordance with the following chart and shall calculate a weighted grade point average (GPA).

	GPA LEVEL 1	GPA LEVEL 2
Grade	On-Level	Advanced
100	4	5.5
99	3.9	5.4
98	3.8	5.3
97	3.7	5.2
96	3.6	5.1
95	3.5	5
94	3.4	4.9
93	3.3	4.8
92	3.2	4.7
91	3.1	4.6
90	3	4.5
89	2.9	4.4
88	2.8	4.3
87	2.7	4.2
86	2.6	4.1
85	2.5	4
84	2.4	3.9
83	2.3	3.8
82	2.2	3.7
81	2.1	3.6
80	2	3.5
79	1.9	3.4
78	1.8	3.3
77	1.7	3.2
76	1.6	3.1
75	1.5	3
74	1.4	2.9
73	1.3	2.8
72	1.2	2.7
71	1.1	2.6
70	1	2.5

CLASS RANK CALCULATION - FOR STUDENTS IN GRADUATING CLASS of 2026, 2027, 2028

The District shall apply the same class rank calculation method and rules for local graduation honors for all students in a graduating class, regardless of the school year in which a student first earned high school credit. The District shall include in the calculation of class rank semester grades earned in high school credit courses taken in grades 9-12 only, unless excluded in EIC(LOCAL). The calculation of class rank shall exclude grades earned in any distance learning course or through credit by examination, with or without prior instruction. This shall not apply to online dual credit courses offered through an approved college or university.

The following courses shall NOT be included in the calculation of class rank: Physical Education, Drill Team, Color Guard, Marching band, Athletics I-IV, Athletic Trainer, Cheerleading, Student Aide, High School courses taken in Junior High, College courses completed off-site, Community Service, Summer School courses, Credit Recovery courses, and Credit-by-Exam or Exams for Acceleration (with or without prior instruction), and distance learning courses (this does not apply to applicable online dual credit courses offered through an approved college or university).

CLASS RANK CALCULATION - FOR STUDENTS IN GRADUATING CLASS of 2029 & BEYOND

The District shall include in the calculation of class rank semester grades earned in high school credit courses taken in grades 9-12 in the following subject areas only: English language arts, mathematics, science, social studies, unless excluded below.

Exclusions: The calculation of class rank shall exclude grades earned in High School courses taken in Junior High, College courses completed off-site, Community Service, Summer School courses, Credit Recovery Courses, and Credit-by-Exam or Exams for Acceleration (with or without prior instruction), and distance learning courses (this does not apply to applicable online dual credit courses offered through an approved college or university).

Class Rank Calculation

The District shall apply the same class rank calculation method and rules for local graduation honors for all students in a graduating class, regardless of the school year in which a student first earned high school credit. The District shall include in the calculation of class rank semester grades earned in high school credit courses taken in grades 9-12 only, unless excluded in EIC(LOCAL). The calculation of class rank shall exclude grades earned in any distance learning course or through credit by examination, with or without prior instruction. This shall not apply to online dual credit courses offered through an approved college or university.

Transferred Grades

When a student transfers semester grades for courses that would be eligible under the Regular category and the District has accepted the credit, the District shall include the grades in the calculation of class rank. When a student transfers semester grades for courses that would be eligible to receive additional weight under the District's weighted grade system, the District shall assign additional weight to the grades based on the categories and grade weight system used by the District.

Local Graduation Honors

For the purpose of determining honors to be conferred during graduation activities, the District shall calculate class rank in accordance with this policy and administrative regulations by using grades available at the time of calculation at the end of the third nine-weeks grading period of the senior year. The student's third nine weeks' grades shall be used as the second semester grade for this purpose. For the purpose of applications to institutions of higher education, the District shall also calculate class rank as required by state law. The District's eligibility criteria for local graduation honors shall apply only for local recognition and shall not restrict class rank for the purpose of automatic admission under state law.

Valedictorian and Salutatorian

The valedictorian and salutatorian shall be the eligible students with the highest and second highest ranking, respectively. Beginning with the graduating class of 2018 and thereafter, to be eligible for this local graduation honor, a student must: 1) Have been continuously enrolled in Ferris High School for the two years immediately preceding graduation; and 2) Be graduating after exactly eight semesters of enrollment in high school; and 3) Have completed the foundation program with the distinguished level of achievement.

Breaking Ties

In case of a tie in weighted GPAs after calculation to the fourth decimal place, the District shall calculate the weighted GPA using only eligible grades in Advanced courses taken while enrolled at the District high school by each student involved in the tie to determine recognition as valedictorian or salutatorian. If the tie is not broken after applying these methods, the District shall recognize all students involved in the tie as sharing the honor and title.

Highest-Ranking Graduate

The student meeting the local eligibility criteria for recognition as the valedictorian shall also be considered the highest-ranking graduate for purposes of receiving the honor graduate certificate from the state of Texas.

COLLEGE & UNIVERSITY AUTOMATIC ADMISSIONS

For two school years following graduation, a district student who graduates as valedictorian **or** in the top ten percent of his or her class is eligible for automatic admission into four-year public universities and colleges in Texas if the student:

- Completes the distinguished level of achievement under the foundation graduation program (a student must graduate with at least one endorsement and must have taken Algebra II as one of the four required math courses);
or
- Satisfies the ACT College Readiness Benchmarks or earns at least a 1500 out of 2400 on the SAT.

The student is ultimately responsible for meeting the admission requirements of the university or college, including timely submission of a completed application. Should a college or university adopt an admissions policy that automatically accepts the top 25 percent of a graduating class, the provisions above will also apply to a student ranked in the top 25 percent of his or her class.

The University of Texas at Austin may limit the number of automatically admitted students to 75 percent of the University's enrollment capacity for incoming resident freshmen. During the summer and fall 2024 terms and spring 2025 term, the University will admit the top six percent of a high school's graduating class who meet the above requirements. Additional applicants will be considered by the University through a holistic review process.

As required by law, the district will provide written notice concerning automatic college admission, the curriculum requirements for financial aid, and the benefits of completing the requirements for automatic admission and financial aid. Parents and students will be asked to sign an acknowledgment that they received this information. Students and parents should contact the school counselor for further information about automatic admissions, the application process, and deadlines.

COLLEGE & CAREER ADMISSIONS TESTING

Armed Services Vocational Aptitude Battery Test (Grades 10–12) A student in grades 10–12 will be offered an opportunity to take the Armed Services Vocational Aptitude Battery test and consult with a military recruiter. The test shall be offered at least once per year at Ferris High School, and will be offered during the regular school day at a time that limits conflicts. Please contact your counselor for information about this opportunity.

The Preliminary SAT (PSAT) is a preparatory and readiness assessment for the SAT. Note: These assessments may qualify a student to receive a performance acknowledgment on the student's transcript under the foundation graduation program and may qualify as a substitute for an end-of-course testing requirement in certain circumstances. When taken during the junior year, the PSAT puts students in contention for the National Merit Scholarship Competition.

SAT & ACT (Scholastic Aptitude Test and American College Test) Many colleges require either the American College Test (ACT) or the Scholastic Aptitude Test (SAT) for admission. These assessments are usually taken at the end of the junior year. Students are encouraged to talk with the school counselor early during their junior year to learn about these assessments and determine the appropriate examination to take. More information about each test can be found at:

SAT: www.sat.collegeboard.org

ACT: www.actstudent.org

TSI (Texas Success Initiative 2.0) Exam Prior to enrollment in a Texas public college or university, most students must take a standardized test called the Texas Success Initiative (TSI) assessment. The TSI assesses the reading, mathematics, and writing

skills that freshmen-level students need to perform effectively as undergraduates in Texas public colleges and universities. This assessment may also be required before a student enrolls in a dual credit course offered through the district. Achieving certain benchmark scores on this assessment may also waive certain end-of-course assessment requirements in limited circumstances.

FISD HONORS LEVEL COURSE INFORMATION

Honors courses challenge and enrich motivated students to expand their education beyond the general education program. Honors coursework develops advanced skills and content background to prepare students for college-level work in Advanced Placement (AP) courses and Dual Credit Courses in high school. Success requires the student's commitment to the expectations of an advanced level program.

Students will be expected to:

- Demonstrate a strong work ethic by completing assignments on time, maintaining a passing grade of 70 or above, and actively engaging in respectful collaboration.
- Utilize time effectively and efficiently.
- Develop successful study skills.
- Commit to using critical thinking skills by analyzing and synthesizing given curriculum.
- Come to school early and/or stay late in order to attend needed tutoring.
- Responsibly engage in technology-assisted research and/or academic communications.
- Increase advanced content area vocabulary.
- Foster creativity and innovation in addressing real world challenges through research projects.

ENTRANCE RECOMMENDATIONS: Honors courses are designed to prepare students for future AP and/or Dual Credit courses. Students who are willing to accept the challenge of a rigorous academic curriculum should be considered for admission. However, for optimum success, it is recommended that students meet the following guidelines:

- 85 or higher final grade in prior course for the subject; or 80 or higher final grade in prior honors course of the subject and
 - **ELAR/HISTORY:** A STAAR Score of "Meets" in the prior grade of RLA STAAR
 - **MATH:** A STAAR Score of "Meets" in the prior grade of MATH STAAR if applicable
 - **SCIENCE:** A STAAR Score of "Meets" in the prior Math STAAR if applicable
 - **BIOLOGY:** A STAAR Score of "Meets" on the 8th grade Science STAAR

PLACEMENT REVIEW: The teacher may recommend that a student be changed into an on-level academic class if the student is encountering great difficulty with the rigorous course content. The teacher will expect a positive attitude about scholarship and assignments. A parent-teacher-counselor meeting is required prior to withdrawal from the course. Students must also have attended tutoring with the teacher on a regular basis. **A recommended schedule change may occur at the first 6 week mark of school. Students will then have 3 weeks to meet honors expectations by the 9 week period.**

HONOR CODE: All students will be expected to do their own work and exhibit academic honesty. All students are expected to demonstrate respect and kindness to all individuals who enter the classroom, fostering a welcoming and inclusive learning environment where everyone feels valued and supported.

REQUIRED NOTICE REGARDING ALGEBRA II

Required Notification Regarding Algebra II as a High School Graduation Requirement A student is not required by state law (Texas Education Code, Section 28.025) to successfully complete Algebra II as a requirement for high school graduation. However, there are potential consequences to a student who does not successfully complete an Algebra II course.

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 or in the percentage of qualified applicants that are anticipated to be offered admission to The University of Texas at Austin*, and the applicant— • successfully completed the requirements for the distinguished level of achievement under the foundation high school program at a public high school; or • 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.

A student may not earn the distinguished level of achievement or be eligible for automatic admission to a Texas public college or university as an undergraduate student if the student does not successfully complete high school Algebra II. There are several state financial aid programs available for certain Texas public high school students. Certain state financial aid programs include curriculum requirements that should 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 (THECB) financial aid webpage at <http://www.collegeforalltexans.com/apps/financialaid/tofa.cfm?Kind=GS>

For initial eligibility for a TEXAS grant, a student enrolling in an eligible institution must be a graduate of a public or accredited private high school in this state who completed the Foundation High School Program or its equivalent and have accomplished any two or more of the following:

- Successful completion of the course requirements of the International Baccalaureate diploma program or earning of the equivalent of at least 12 semester credit hours of college credit in high school through courses described in Texas Education Code (TEC), Sections 28.009(a)(1), (2), and (3)
- Satisfaction of the Texas Success Initiative (TSI) college readiness benchmarks prescribed by the THECB under TEC, Section 51.334 on any assessment instrument designated by the THECB or qualification for an exemption as described by TEC, Section 51.338(b), (c), or (d)
- Graduation in the top one-third of the person's high school graduating class or graduation from high school with a grade point average of at least 3.0 on a four-point scale or the equivalent
- Completion for high school credit of at least one advanced mathematics course following the successful completion of an Algebra II course or at least one advanced career and technical or technology applications course

FERRIS ISD COURSE DESCRIPTIONS

ENGLISH / LANGUAGE **ARTS**

English I

Recommended Grade Placement: 9

FHS Number: 1010

Credit: 1 GPAL: Level 1

Prerequisite: None

PEIMS ENG I 03220100

English I students are expected to plan, draft, and complete written compositions that are error-free on a regular basis. An emphasis is placed on organizing logical arguments with clearly expressed theses and evidence. Students read extensively in multiple genres, learning literary forms and terms and interpreting possible influences of the historical context on a literary work. ***The state requires an EOC assessment at the end of this course.**

English I - Honors

Recommended Grade Placement: 9

FHS Number: 1015

Credit: 1 GPAL: Level 2

Prerequisite: Recommended Meets or Masters score on 8th grade reading STAAR

PEIMS ENG I H 03220100

This class follows the TEKS of English I with advanced student expectations. Students will write to persuade, report, and describe while critically analyzing literary works up to two above grade level. Students will create a writing portfolio and develop advanced vocabulary skills. ***The state requires an EOC assessment at the end of this course.**

English I for Speakers of Other Languages

Recommended Grade Placement: 1st yr of ESL

FHS Number: 1018

Credit: 1 GPAL: Level 1

Prerequisite: LPAC Committee Placement

PEIMS ENG I SOL 03200600

This course is designed for students with limited English proficiency. It emphasizes English as it applies to everyday life. Students will work toward mastery of individual goals and objectives of their

secondary language program. ***The state requires an EOC assessment at the end of this course.**

Applied English I

Recommended Grade Placement: 9

FHS Number: 1012

Credit: 1 GPAL: Level 1

Prerequisite: ARD Committee Placement

PEIMS APPL ENG I 03220100

This course emphasizes English as it applies to everyday life. The students will work toward mastery of individual goals and objectives. Writing essays, basic grammar, parts of speech, and emphasis on writing skills. ***The state requires an EOC assessment at the end of this course.**

English II

Recommended Grade Placement: 10

FHS Number: 1020

Credit: 1 GPAL: Level 1

Prerequisite: English I

PEIMS ENG 2 03220200

English II students are expected to plan, draft, and complete written, error-free compositions with an emphasis on persuasive forms of writing on a regular basis. Students read extensively in multiple genres, learning literary forms and terms, and be able to interpret, analyze, evaluate the literary, historical, and current implications and values of the themes/concepts developed in the readings.

English II EOC

Recommended Grade Placement: 10

FHS Number: 1021

Credit: 1 GPAL: Level 1

Prerequisite: English I

PEIMS ENG 2 EOC 03220200

English II students are expected to plan, draft, and complete written, error-free compositions with an emphasis on persuasive forms of writing on a regular basis. Students read extensively in multiple genres, learning literary forms and terms, and are able to interpret, analyze, evaluate the literary, historic

al, and current implications and values of the themes/concepts developed in the readings. This course emphasizes strategies to help students master knowledge and skills required to pass STAAR English II End of Course exams.

English II Honors

Recommended Grade Placement: 10

FHS Number: 1025

Credit: 1 GPAL: Level 2

Prerequisite: English I. Recommended Meets or Masters score on English I EOC.

PEIMS ENG 2 H 03220200

This class follows the TEKS of English II with advanced student expectations. Above grade-level literary works, advanced vocabulary skills, and continued development of a writing portfolio with extensive analytical compositions will be emphasized.

Applied English II

Recommended Grade Placement: 10

FHS Number: 1022

Credit: 1 GPAL: Level 1

Prerequisite: English I. ARD Committee placement.

PEIMS APPL ENG 2 03220200

This course emphasizes English as it applies to everyday life. The students will work toward mastery of individual goals and objectives.

English II for Speakers of Other Languages

Recommended Grade Placement: 2nd yr of ESL

FHS Number: 1028

Credit: 1 GPAL: Level 1

Prerequisite: LPAC Committee Placement

PEIMS ENG 2I SOL 03200700

This course is designed for students with limited English proficiency. It emphasizes English as it applies to everyday life. Students will work toward mastery of individual goals and objectives of their secondary language program.

English III

Recommended Grade Placement: 11

FHS Number: 1030

Credit: 1 GPAL: Level 1

Prerequisite: English II

PEIMS ENG 3 03220300

English III students will plan, draft, and produce error-free compositions of various forms on a regular basis. Students read extensively in multiple genres from American literature and other world literature. Students will investigate, analyze, interpret, and evaluate various literary periods including pre-colonial, colonial, revolutionary, romanticism, idealism, realism, naturalism, and modern works. Students learn literary forms and terms associated with selections begin to read and interpret the possible influences of the historical context on a literary work.

English III EOC

Recommended Grade Placement: 11

FHS Number: 1031

Credit: 1 GPAL: Level 1

Prerequisite: English II

PEIMS ENG 3 EOC 03220300

English III students will plan, draft, and produce error-free compositions of various forms on a regular basis. Students read extensively in multiple genres from American literature and other world literature. Students will investigate, analyze, interpret, and evaluate various literary periods including pre-colonial, colonial, revolutionary, romanticism, idealism, realism, naturalism, and modern works. Students who learn literary forms and terms associated with selections begin to read and interpret the possible influences of the historical context on a literary work. This course emphasizes strategies to help students master knowledge and skills required to pass STAAR English I and II End of Course exams.

Applied English III

Recommended Grade Placement: 10

FHS Number: 1032

Credit: 1 GPAL: Level 1

Prerequisite: English II. ARD Committee placement.

PEIMS APPL ENG 3 03220300

This course emphasizes English as it applies to everyday life. The student will work toward mastery of individual goals and objectives.

Composition I - Dual Credit (English 1301)

Recommended Grade Placement: 11-12

FHS Number: 1036A (11th) 1037A (12th)

Credit: 0.5 *College Credit: 3 hours*

GPAL: Level 2

Prerequisite: English II & Meet dual credit eligibility (TSI)

PEIMS ENG 1301 03220300 / 03220400

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. **This course satisfies one semester of English III or English IV credit.**

Composition II - Dual Credit (English 1302)

Recommended Grade Placement: 11-12

FHS Number: 1036B (11th) 1037B (12th)

Credit: 0.5 College Credit: 3 hours

GPAL: Level 2

Prerequisite: English II & Meet dual credit eligibility (TSI)

PEIMS ENG 1301 03220300 / 03220400

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

This course satisfies one semester of English III or English IV credit.

English IV

Recommended Grade Placement: 12

FHS Number: 1040

Credit: 1 GPAL: Level 1

Prerequisite: English III

PEIMS ENG 4 03220400

English IV students are expected to plan, draft, and produce final, error-free compositions in a variety of forms, including business, personal, literary, and persuasive texts. Students read extensively in multiple genres from British literature and other world literature including works from the following periods: old English, medieval, Renaissance, 17th century, 18th century, romantic, Victorian, and modern and postmodern. Students learn literary forms and terms associated with

selection being read and interpret the possible influences of the historical context on a literary work.

College Prep English IV (Texas College Bridge)

FHS Number: 1044

Credit: 1 GPAL: None

Prerequisite: None

PEIMS COLLEGEPREPELA CP110100

In this TSIA preparatory course, students will improve integrated critical reading and writing skills through engagement with a variety of texts across content areas and genres. As a result, students will be able to develop and express ideas clearly and effectively to communicate with various audiences for various purposes and occasions. This course is designed for students at the 12th grade level whose performance on an TSIA does not meet college readiness standards. The adaptive learning platform (Texas College Bridge) guides students through individualized college preparation courses in English, at their own pace.

Applied English IV

Recommended Grade Placement: 12

FHS Number: 1042

Credit: 1 GPAL: Level 1

Prerequisite: English III. ARD Committee Placement

PEIMS APPL ENG 4 03220400

This course emphasizes English as it applies to everyday life. The students will work toward mastery of individual goals and objectives.

American Literature I - Dual Credit (English 2327)

Recommended Grade Placement: 12

FHS Number: 1046A

Credit: 0.5 College Credit: 3 hours

GPAL: Level 2

Prerequisite: English 1301, 1302

PEIMS ENG 2327 03220400

A survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. **This course satisfies one semester English IV credit.**

American Literature II - Dual Credit (English 2327)

Recommended Grade Placement: 12

FHS Number: 1046B

Credit: 0.5 College Credit: 3 hours

GPAL: Level 2

Prerequisite: English 1301, 1302

PEIMS ENG 2328 03220400

A survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. **This course satisfies one semester English IV credit.**

Debate I, II, III,

Recommended Grade Placement: 9-12

FHS Number: 1110, 1120, 1130

Credit: 1.0 GPAL: Level 1

Prerequisite: Public Speaking I

PEIMS DEBATE I, 2, 3 03240600, 03240700, 03240800

Controversial issues arise in aspects of personal, social, public, and professional life in modern society. Debate and argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills. They acquire life-long skills for intelligently approaching controversial issues.

Reading I, II, III

Recommended Grade Placement: 9-12

FHS Number: 1300, 1302, 1303

Credit: 1.0 GPAL: Level 1

Prerequisite: ARD Placement Committee

PEIMS READ I, 2, 3 03270700, 03270800, 03270900

These courses are designed to help students become more skillful readers. Emphasis is placed on reading strategies which enhance reading skills and reading comprehension, vocabulary development, skills for standardized testing, and an appreciation for reading all types of texts. (A special section is set aside for students identified as dyslexic. Students can only be placed into this section at parent request and counselor

approval.) Some instruction is individualized and students may enter either semester for a half-year or full-year program. A maximum of three credits in reading will apply toward graduation.

Professional Communications (Speech)

Recommended Grade Placement: 9-12

FHS Number: 8999

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS PROFCOMM 13009900

Professional Communications blends written, oral, and graphic communication in a career - based environment. Careers in the global economy requires individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. **This course is a graduation requirement.**

Introduction to Speech Communication - Dual Credit

Recommended Grade Placement: 10-12

FHS Number 8998

Credit: 0.5 GPAL: Level 2

Prerequisite: Meet Eligibility for Dual Credit (TSI)

PEIMS SPEECH 1311 03241400

Theory and practice of speech communication behavior in one-to-one, small group, and public communication situations are introduced. Students learn more about themselves, improve skills in communicating with others, and prepare and deliver formal public speeches.

MATHEMATICS

Algebra I

Recommended Grade Placement: 9

FHS Number: 2010

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS ALG1 03100500

Students will use symbols to study relationships among quantities. These functional relationships will allow students to set up and solve equations. Use of technology in the form of graphing calculators will allow table building, coordinate graphing, algebraic analysis and computation.

Applied Algebra I

Recommended Grade Placement: 9

FHS Number: 2110

Credit: 1.0 GPAL: Level 1

Prerequisite: ARD Committee placement

PEIMS APPLIED ALG1 03100500

This course emphasizes math as it applies to everyday life. Students work on individual goals and objectives in relation to Algebra I TEKS.

Algebraic Reasoning

Recommended Grade Placement: 10-12

FHS Number: 2013

Credit: 1.0 GPAL: Level 1

Prerequisite: Algebra I

PEIMS ALGREA 03102540

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. 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 to workforce and college

readiness such as probes, measurement tools, and software tools, including spreadsheets.

Applied Algebraic Reasoning

Recommended Grade Placement: 9

FHS Number: 2120

Credit: 1.0 GPAL: Level 1

Prerequisite: Ard Committee placement

PEIMS APPLIED ALGREA 03102540

This course emphasizes math as it applies to everyday life. Students work on individual goals and objectives in relation to Algebraic Reasoning TEKS.

Geometry

Recommended Grade Placement: 9-12

FHS Number: 2020

Credit: 1.0 GPAL: Level 1

Prerequisite: Algebra I

PEIMS GEOM 03100700

Geometry stresses the basic structure and proficiency in developing formal proofs. The course covers plane, solid, and coordinate geometry, as well as the basic development of trigonometry, areas and volumes, constructions, and transformations.

Geometry Honors

Recommended Grade Placement: 9-12

FHS Number: 2025

Credit: 1.0 GPAL: Level 2

Prerequisite: Algebra I

PEIMS GEOM H 03100700

This course covers the content of Geometry and goes beyond the regular course in both content and depth. It is designed for students showing an advanced aptitude towards mathematics. Students will study at an advanced level and pace.

Applied Geometry

Recommended Grade Placement: 9-12

FHS Number: 2130

Credit: 1.0 GPAL: Level 1

Prerequisite: ARD Committee placement

PEIMS APPLIED GEOM 03100700

This course emphasizes math as it applies to everyday life. Students work on individual goals and objectives in Geometry.

Math Models With Applications

Recommended Grade Placement: 10-12

FHS Number: 2034

Credit: 1.0 GPAL: Level 1

Prerequisite: Algebra I

PEIMS MTHMOD 03102400

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.

Applied Math Models With Applications

Recommended Grade Placement: 10-12

FHS Number: 2150

Credit: 1.0 GPAL: Level 1

Prerequisite: ARD Committee placement

PEIMS APPLIEDMTHMOD 03102400

This course emphasizes math as it applies to everyday life. Students work on individual goals and objectives in Math Models.

Algebra II

Recommended Grade Placement: 10-12

FHS Number: 2030

Credit: 1.0 GPAL: Level 1

Prerequisite: Geometry

PEIMS ALG 2 03100600

Algebra II extends concepts and skills learned in Algebra I. Use of graphing calculators will allow data handling and analysis, along with table building, coordinate graphing, algebraic analysis, and computation. Students will develop logical reasoning by making and justifying generalizations based on their experiences with fundamental algebraic concepts.

Algebra II Honors

Recommended Grade Placement: 10-12

FHS Number: 2029

Credit: 1.0 GPAL: Level 2

Prerequisite: Geometry

PEIMS ALG2H 03100600

Algebra II Honors moves at a faster pace, incorporates a deeper conceptual understanding, and prepares students for future success in Advanced math courses.

Financial Mathematics (CTE)

Recommended Grade Placement: 10-12

FHS Number: 2080

Credit: 1.0 GPAL: Level 1

Prerequisite: Algebra I

PEIMS FINMATH 13018000

Financial Mathematics is a course about personal money management. Students will apply critical thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Math will integrate career and postsecondary education planning into financial decision making. **This course satisfies a high school mathematics graduation requirement.**

College Prep Math (Texas College Bridge)

Recommended Grade Placement: 12

FHS Number: 2040

Credit: 1.0 GPAL: None

Prerequisite: None

PEIMS COLLEGEPREPMTH CP111200

Topics include real numbers, basic geometry, polynomials, factoring, linear equations, inequalities, quadratic equations, rational expressions, factoring techniques, radicals, algebraic functions, complex numbers, graphing linear equations/ inequalities, quadratic equations, systems of equations, graphing quadratic equations and an introduction to functions. This course is designed for students at the 12th grade level whose performance on an EOC assessment instrument does not meet college readiness standards or whose performance on coursework, a college entrance examination, or an assessment instrument designated under Section 51.3062(c) indicates that the student is not ready to perform entry-level college coursework.

Applied Financial Mathematics (CTE)

Recommended Grade Placement: 12

FHS Number: 2140

Credit: 1.0 GPAL: Level 1

Prerequisite: ARD Committee placement

PEIMS APPLIEDFINMTH 13018000

This course emphasizes math as it applies to everyday life. Students work on individual goals and objectives. Financial Mathematics is a course about personal money management. Students will apply critical thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Math will integrate career and postsecondary education planning into financial decision making.

Pre-Calculus Honors

Recommended Grade Placement: 11-12

FHS Number: 2041

Credit: 1.0 GPAL: Level 2

Prerequisite: Algebra II, Geometry

PEIMS PRE CALC H 03101100

Pre-Calculus Honors moves at a faster pace, incorporates a deeper conceptual understanding and prepares students for future success in AP math courses. This course is designed for the student who intends to continue on to Calculus or pursue a field requiring advanced math in college.

College Algebra (MATH 1314) Dual Credit

Recommended Grade Placement: 11-12

FHS Number: 2045Credit: 0.5 *College Credit: 3 hours*

GPAL: Level 2

Prerequisite: Meeting college algebra standards on the TSI exam or equivalent exam.

PEIMS INSTUMTH 03102500

This course is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. This course is cross-listed as MATH 1414. The student may register for either MATH 1314 or MATH 1414 but may receive credit for only one of the two.

Plane Trigonometry (MATH 1316) Dual Credit

Recommended Grade Placement: 11-12

FHS Number: 2048Credit: 0.5 *College Credit: 3 hours*

GPAL: Level 2

Prerequisite: College Algebra 1314

PEIMS INSTUMTH 03102500

In depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates, and parametric equations may be included.

Elementary Statistical Methods (MATH 1342) Dual Credit

Recommended Grade Placement: 11-12

FHS Number: 2046Credit: 0.5 *College Credit: 3 hours*

GPAL: Level 2

Prerequisite: College Algebra 1314

PEIMS STAT 03102530

This course is a study of collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.

Pre-Calculus (MATH 2412) Dual Credit

Recommended Grade Placement: 11-12

FHS Number: 2412Credit: 0.5 *College Credit: 4 hours*

GPAL: Level 2

Prerequisite: Trig Math 1316

PEIMS DCPRECAL 03101100

This course consists of the study of algebraic and trigonometric topics including polynomial, rational, exponential, logarithmic and trigonometric functions and their graphs. Conic sections, polar coordinates, and other topics of analytic geometry will be included.

Calculus (MATH 2413) Dual Credit

Recommended Grade Placement: 11-12

FHS Number: 2413Credit: 0.5 *College Credit: 4 hours*

GPAL: Level 2

Prerequisite: Math 2412

PEIMS DCCALCULUS 03102500

This course is a study of limits and continuity; the Fundamental Theorem of Calculus; definition of the

derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

SCIENCE

Biology

Recommended Grade Placement: 9

FHS Number: 3010

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS BIO 03010200

This course is designed to acquaint the student with plant and animal life. Importance will be placed on surveying the plant and animal kingdoms, with emphasis on understanding the structure and functions of living organisms. The student will be provided basic skills and today's biological issues. This is a required science for graduation and is recommended for all ninth graders.

Biology Honors

Recommended Grade Placement: 9

FHS Number: 3015

Credit: 1.0 GPAL: Level 2

Prerequisite: Recommended Meets or Masters on the 8th grade STAAR

PEIMS BIO H 03010200

Biology Honors moves at a faster pace, incorporates a deeper understanding, and prepares students for future success in AP science courses.

Integrated Physics and Chemistry (IPC)

Recommended Grade Placement: 9-10

FHS Number: 3021

Credit: 1.0 GPAL: Level 1

Prerequisite: Level 1

PEIMS IPC 03060201

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem

solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter. **IPC must be taken prior to Chemistry and Physics.**

Chemistry

Recommended Grade Placement: 10-12

FHS Number: 3020

Credit: 1.0 GPAL: Level 1

Prerequisite: Biology and Algebra I

PEIMS CHEM 03040000

Chemistry is the study of the composition and structure of matter and its changes. Fundamental laws, theories, the periodic table, naming compounds, chemical bonding, chemical reactions, solutions, and acid base reactions are some of the topics covered. Laboratory investigations, understanding chemical concepts, reasoning skills and student awareness of the scientific world are emphasized.

Chemistry Honors

Recommended Grade Placement: 10

FHS Number: 3025

Credit: 1 GPAL: 2

Prerequisite: Biology, Algebra 1 recommended score meets or masters the ALGI EOC

PEIMS CHEM H 03040000

Chemistry Honors moves at a faster pace, incorporates a deeper conceptual understanding, and prepares students for future success in AP science courses.

Physics Honors

Recommended Grade Placement: 10-12

FHS Number: 3040

Credit: 1.0 GPAL: Level 2

Prerequisite: Biology, Algebra 1 recommended score meets or masters the ALGI EOC

PEIMS PHYSICS 03050000

In Physics, students conduct laboratory and field investigations, use scientific practices during investigations, 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, forces, characteristics and behavior of waves, and electricity and magnetism. Students will apply conceptual

knowledge and collaborative skills to experimental design, implementation, and interpretation. By the end of Grade 12, students are expected to gain sufficient knowledge of the scientific and engineering practices across the disciplines of science to make informed decisions using critical thinking and scientific problem solving.

Food Science (CTE)

Recommended Grade Placement: 11-12

FHS Number: 3082

Credit: 1.0 GPAL: Level 1

Prerequisite: 3 units of science, including Biology and Chemistry.

PEIMS FOODSCI 13002300

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.

Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

Forensic Science (CTE)

Recommended Grade Placement: 11-12

FHS Number: 3080

Credit: 1.0 GPAL: Level 1

Prerequisite: Biology and Chemistry

PEIMS FORENSCI 13029500

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

Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

Anatomy and Physiology (CTE)

Recommended Grade Placement: 11-12

FHS Number: 3071

Credit: 1 GPAL: Level 1

Prerequisite: Biology, Chemistry or IPC.PEIMS

PHYS/ANT 13020600

Anatomy and Physiology is a course geared to those students with an interest in medical, dental, or other health care careers. It includes an in-depth study of the human body's organ systems. The second semester focuses on practical application of anatomical knowledge through lab experiences that include detailed dissection. This course is extremely helpful for students who are considering a health-related career.

Physics for Engineering (CTE)

Recommended Grade Placement: 11-12

FHS Number: 3050

Credit: 1.0 GPAL: Level 1

Prerequisite: Algebra I and One credit of IPC or Chemistry

PEIMS PHYSENGR 13037150

In Physics for Engineering, students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices.

Biology I - Dual Credit (1406)

Recommended Grade Placement: 11-12

FHS Number: 3016

Credit: 0.5 *College credit: 4 hours*

GPAL: Level 2

Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).

PEIMS SCIRD3 13037220

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Study and examination of the

concepts of cytology, reproduction, genetics, and scientific reasoning are included. Laboratory activities will reinforce these concepts.

Biology II - Dual Credit (1407)

Recommended Grade Placement: 11-12

FHS Number: 3017

Credit: 0.5 College credit: 4 hours

GPAL: Level 2

Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).

PEIMS SCIRD3 13037220

An introductory survey of current biological concepts for students majoring in the sciences. The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. Laboratory activities will reinforce study of these concepts.

Anatomy and Physiology I Dual Credit (Biol 2401)

Recommended Grade Placement: 11-12

FHS Number: 3072

Credit: 0.5 College Credit: 4 hours

GPAL: Level 2

Prerequisite: Biology 1406 with a C or better & Meet dual credit eligibility (TSI).

PEIMS PHYS/ANT I 13020600

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

Anatomy and Physiology II Dual Credit (Biol 2402)

Recommended Grade Placement: 11-12

FHS Number: 3073

Credit: 0.5 College Credit: 4 hours

GPAL: Level 2

Prerequisite: Biology 1406 with a C or better & Meet dual credit eligibility (TSI).

PEIMS PHYS/ANT II 13020600

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Content may be either integrated or specialized.

AP Environmental Science

Recommended Grade Placement: 11-12

FHS Number: 3085

Credit: 1.0 GPAL: Level 2

Prerequisite: Algebra I, Biology, and Chemistry

PEIMS AP ENVIR A3020000

Explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. Students take part in laboratory investigations and field work. Skills learned include: explaining environmental concepts and processes, analyzing data, visual representations, and writings, applying quantitative methods in solving problems, proposing a solution for an environmental problem and supporting your idea with evidence, and analyzing a research study to identify a hypothesis. AP gives students the chance to take college-level work while they're still in high school. Through taking AP Exams, students can earn college credit and placement. More information on AP can be found at: <https://ap.collegeboard.org/> Students are expected to take the Advanced Placement exam.

Advanced Animal Science (CTE)

FHS Number: 8055

Credit: 1.0 GPAL: Level 1

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

PEIMS ADVANSCI 13000700

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. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

SOCIAL STUDIES

World Geography

Recommended Grade Placement: 9-11

FHS Number: 4010

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS W GEO 03320100

This course develops the five modern geographic themes: location, place, relationship within places, movements, and regions to achieve a comprehensive study of the basic concepts and principles of both physical and cultural geography.

World History

Recommended Grade Placement: 10

FHS Number: 4020

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS W HIST 03340400

This course traces the development of human cultures from early civilization through the present. It looks at the story of civilization through intellectual, cultural, social, political, economic and religious development.

World History Honors

Recommended Grade Placement: 9-10

FHS Number: 4025

Credit: 1.0 GPAL: Level 2

Prerequisite: Recommended Meets or Masters on 8th grade STAAR reading.

PEIMS W HIST H 03340400

This course goes beyond the material of World History in both content and depth. It provides an advanced level and pace. Reading for the college bound is emphasized.

AP Human Geography (World Geography)

Recommended Grade Placement: 10-12

FHS Number: 4016

Credit: 1.0 GPAL: Level 2

Prerequisite: Recommended that students are able to read college-level and write well.

PEIMS APHUMGEOW A3360100

Students will explore how humans have understood, used, and changed the surface of Earth. You'll use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use. Skills learned include: connecting geographic concepts and processes to real-life scenarios, understanding information shown in maps, tables, charts, graphs, infographics, images, and landscapes, seeing patterns and trends in data and in visual sources such as maps and drawing conclusions from them, and understanding spatial relationships using geographic scales. AP gives students the chance to take college-level work while they're still in high school. Through taking AP Exams, students can earn college credit and placement. More information on AP can be found at: <https://ap.collegeboard.org/>
Students are expected to take the Advanced Placement exam.

United States History

Recommended Grade Placement: 11

FHS Number: 4030

Credit: 1.0 GPAL: Level 1

Prerequisite: World History

PEIMS US HIST 03340100

The history of the United States from 1865 to the present is surveyed. The emergence of the United States as a world power, the geographical influences on historical events, the economic development and growth of the U. S., social and cultural developments of the U. S. and the evolution of the political processes since the Civil War are covered. The past century is examined from five different perspectives: politics, foreign affairs, the economy, urbanization and American values. This is a TEKS based class that prepares students for the US History EOC test.

United States History I - Dual Credit (Hist 1301)

Recommended Grade Placement: 11-12

FHS Number: 4037

Credit: 0.5 College credit: 3 hours

GPAL: Level 2

Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).

PEIMS US HIST 03340100

HIST 1301: A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.

United States History II - Dual Credit (Hist 1302)

Recommended Grade Placement: 11-12

FHS Number: 4038

Credit: 0.5 College credit: 3 hours

GPAL: Level 2

Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).

PEIMS US HIST 03340100

HIST 1302: A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.

United States Government

Recommended Grade Placement: 12

FHS Number: 4040

Credit: 0.5 GPAL: Level 1

Prerequisite: None

In United States Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. This course is the culmination of the civic and governmental content and concepts studied from Kindergarten through required secondary courses. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems. Students identify the role of government in the U.S. free enterprise system and examine the strategic importance of places to the United States. Students analyze the impact of individuals, political parties, interest groups, and the media on the American political system, evaluate the importance of voluntary individual participation in a constitutional republic, and analyze the rights guaranteed by the U.S. Constitution. Students examine the relationship between governmental policies and the culture of the United States. Students identify examples of government policies that encourage scientific research and use critical-thinking skills to create a product on a contemporary government issue.

Economics

Recommended Grade Placement: 12

FHS Number: 4050

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS ECO-FE 03310300

Economics introduces students to those principles essential to an understanding of the fundamental economic problems and the choices available for dealing with economic decision-making. It gives students an insight into the workings of the American free enterprise system, American business, Wall Street, money and banking, government revenue and taxation, unemployment, and other components needed for application in their everyday lives.

Personal Financial Literacy and Economics

Recommended Grade Placement: 11-12

FHS Number: 4049

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS 03380083

Using an economic way of thinking, this course prepares students to anticipate and address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to common economic and personal financial planning terms and concepts. As a result of learning objective concepts and integrating subjective information, students gain the ability to lead productive and financially self-sufficient lives.

Psychology

Recommended Grade Placement: 9-12

FHS Number: 4110

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS PSYCH 03350100

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

Sociology

Recommended Grade Placement: 9-12

FHS Number: 4111

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS SOC 03370100

Sociology, an elective course, is an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

U.S. Federal Government - Dual Credit (Govt 2305)

Recommended Grade Placement: 11-12

FHS Number: 4060

Credit: 0.5 College credit: 3 hours

GPAL: Level 2

Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).

PEIMS GOVT 03330100

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.

Introduction to Economics - Dual Credit (1301)

Recommended Grade Placement: 11-12

FHS Number: 4062

Credit: 0.5 College credit: 3 hours

GPAL: Level 2

Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).

PEIMS ECO-FE 03310300

A survey of basic economic concepts is presented. Topics include supply and demand, consumer behavior, price and output decisions by firms, market structures, factor markets, market failures, and international trade. An emphasis is also given to national income, unemployment, inflation, business cycles, aggregate supply and demand, monetary and fiscal policy, and economic growth.

Introduction to Philosophy - Dual Credit (PHIL 1301)

Recommended Grade Placement: 10-12

FHS Number: 4125

Credit: 0.5 College credit: 3 hours

GPAL: Level 2

Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).

PEIMS SPTSS 03380002

A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in philosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications.

LANGUAGES OTHER THAN ENGLISH

At least two credits in the same language are required for graduation.

Spanish I

Recommended Grade Placement: 9-12

FHS Number: 5010

Credit: 1.0 GPAL:

Prerequisite: Level 1

PEIMS SPAN 1 03440100

This course introduces basic reading and writing skills with an emphasis on speaking and listening skills. Instruction is in Spanish and English.

Spanish II

Recommended Grade Placement: 9-12

FHS Number: 5020

Credit: 1.0 GPAL: Level 1

Prerequisite: Spanish I

PEIMS SPAN 2 03440200

This course continues the development of the skills introduced in Spanish I for speaking, listening, reading, and writing. Instruction is in English and Spanish.

Spanish III Honors

Recommended Grade Placement: 10-12

FHS Number: 5035

Credit: 1.0 GPAL: Level 2

Prerequisite: Spanish II

PEIMS SPAN 3H 03440330

The objective of this course is to move students to the intermediate level in the four skill areas. More advanced grammar and vocabulary is introduced. Instruction is primarily in Spanish.

Computer Science 1

Recommended Grade Placement: 9-12

FHS Number: 8351

Credit: 1 GPAL: Level 1

Prerequisite: Algebra 1

PEIMS TACS1 03580200

This course allows students to gain proficiencies in the performance indicators developed by the International

Society for Technology in Education: creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving and decision making; digital citizenship; and technology operations and concepts.

Computer Science 2

Recommended Grade Placement 10-12

FHS Number: 8350

Credit: 1 GPAL: Level 1

Prerequisite: Algebra 1 and Computer Science 1

PEIMS TACS2 03580300

Students will continue to develop creativity and innovation skills and through designing, implementing, and presenting meaningful programs through a variety of media. Collaboration skills will be used by students throughout the course in problem solving, analyzing, and evaluating information. Digital citizenship will also be integrated through the course as students learn information fluency.

FINE ARTS

One credit from any of the three Fine Art areas is required for graduation.

Marching Band I

Recommended Grade Placement: 9-12

FHS Number: 7001

Credit: 0.5 GPAL: None

Prerequisite: Band instructor Approval OR Audition process.

PEIMS MBAND PE00012

****This course may count as a PE credit****

This course is designed to teach the student mental and physical discipline, citizenship through group endeavors, physical conditioning, and cultural growth. It includes activities such as critical listening, music theory, proper care of the instrument, and it develops the student's self-expression through public performance. **Students may receive PE substitution for fall semester and Fine Art credit for spring semester, but will be enrolled in both semesters of band.**

Marching Band II

Recommended Grade Placement: 9-12

FHS Number: 7002

Credit: 0.5 GPAL: None

Prerequisite: Band instructor Approval OR Audition process.

PEIMS MBAND PE00012

The activities and goals are the same as Marching Band 1. *Students may receive PE substitution for fall semester and Fine Art credit for spring semester if not enrolled in athletics.*

BAND I - IV

Band I

Recommended Grade Placement: 9-12

FHS Number: 7015

Credit: 0.5 GPAL: Level 1

Prerequisite: Band instructor Approval OR Audition process.

PEIMS BAND I 03150100

Band II

Recommended Grade Placement: 9-12

FHS Number: 7025

Credit: 0.5 GPAL: Level 1

Prerequisite: Band instructor Approval OR Audition process.

Band III

Recommended Grade Placement: 9-12

FHS Number: 7035

Credit: 0.5 GPAL: Level 1

Prerequisite: Band instructor Approval OR Audition process.

PEIMS BAND I 03150300

Band IV

Recommended Grade Placement: 9-12

FHS Number: 7045

Credit: 0.5 GPAL: Level 1

Prerequisite: Band instructor Approval OR Audition process.

PEIMS BAND I 03150400

The band at FHS, typically performs music in the middle to upper UIL grade levels. Students develop wind/percussion techniques and study music literature. Students in the Band are expected to participate in All-Region auditions and are required to participate at the

UIL Solo and Ensemble contest. Several required performances and competitions are scheduled throughout the year, and a weekly sectional rehearsal is required during parts of the school year. All students in the band are involved in the marching band which can earn a .5 credit for PE requirement. Marching Band requires up to 8 hours of practice a week outside of the school day, in addition to all football games and marching competitions.

Colorguard

Recommended Grade Placement: 9-12

FHS Number: 6002

Credit: .5 GPAL: None

Prerequisite: Tryouts required

PEIMS COLORGUARD PES00012

The color guard utilizes a blend of dance and equipment such as flags and rifles for a unique and artistic style of performance in the fall; the guard is a visual component of the marching band program, and as such, the students have similar practice and performance requirements of the marching band, including up to 8 hours a week in practice outside of the school day, and required attendance at all football games and marching competitions.

Show Choir I-IV

Show Choir I

Recommended Grade Placement: 9-12

FHS Number: 7310

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS CHOIR I 03150900

Show Choir II

Recommended Grade Placement: 9-12

FHS Number: 7320

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS CHOIR 2 03151000

Show Choir III

Recommended Grade Placement: 9-12

FHS Number: 7330

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS CHOIR 3I 03151100

Show Choir IV

Recommended Grade Placement: 9-12

FHS Number: 7340

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS CHOIR 4 03151200

Students study the vocal performing arts in ensemble rehearsals, private vocal lessons, and vocal coaching opportunities. They get chances to apply these skills across the DFW area in competitions for UIL or Festivals. Extracurricular activities include Dallas' Opera's High School Opera Night and a yearly Christmas Field Trip.

Music Appreciation

Recommended Grade Placement: 9-12

FHS Number: 7400

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS MUSICAP 03155600

Students gain a broad understanding of music from varied cultural perspectives, with some emphasis given to music of the western art music tradition, featuring such composers as Mozart, Beethoven, Haydn, and Wagner. Students also get a chance to apply basic musical terminology and skill in creating their own musical tracks and songs on their Chromebooks. One part of the year focuses on the mechanics of music, the second part on music history, and the third on applied musical skill in varied forms, whether it be rap, pop, or electronic music.

Music Appreciation - Dual Credit (1306)

Recommended Grade Placement: 9-12

FHS Number: 7405

Credit: 0.5 *College credit: 3 hours*

GPAL: Level 2

Prerequisite: None

PEIMS DCMUSCIAP 03155600

The basic elements of music are surveyed and examined in the music literature of western civilization, particularly from the Baroque Period to the present. Cultural influences on the music of each era are observed.

Art I

Recommended Grade Placement: 9-12

FHS Number: 7110

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS ART I 03500100

In Art 1 the students will be introduced to visual arts and a variety of mediums in 2D and 3D to create developed and interesting works of art. The students will study different artists and research various art careers.

Art II

Recommended Grade Placement: 10-12

FHS Number: 7120

Credit: 1.0 GPAL: Level 1

Prerequisite: Art I

PEIMS ART2 03500200

In Art 2 the students will build on skills learned in Art One to create developed and interesting works of art. The students will explore a variety of 2D and 3D mediums and artists. The students will begin to develop their own artistic style and perspective.

Art III

Recommended Grade Placement: 11-12

FHS Number: 7130

Credit: 1.0 GPAL: Level 1

Prerequisite: Art II

PEIMS ART3 03500300

In Art 3 the students will build on skills learned in Art 2 to create developed and interesting works of art. The students will use and research a variety of 2D and 3D mediums and artists. The students will grow their artistic style and perspective while practicing independent art making and marketing.8335

Art II / Ceramics I

Recommended Grade Placement: 10-12

FHS Number: 7122

Credit: 1.0 GPAL: Level 1

Prerequisite: Art I

PEIMS ART2CRMC 03500900

Art III / Ceramics II

Recommended Grade Placement: 11-12

FHS Number: 7132

Credit: 1.0 GPAL: Level 1

Prerequisite: Art I
PEIMS ART3CRMC 03501800

Art IV / Ceramics III

Recommended Grade Placement: 11-12
FHS Number: 7133
Credit: 1.0 GPAL: Level 1
Prerequisite: Art I
PEIMS ART4CRMC 03502700

In Ceramics students will build on skills learned in previous art courses to create developed and interesting works of art. The students will explore creating in 3D with clay. Students will have the opportunity to create both functional and decorative pieces through hand building methods/ pottery wheel, surface decoration techniques, and glazing/ firing. The students will begin to develop their own artistic style and perspective.

AP Studio Art: Drawing Portfolio/Honors Art IV

Recommended Grade Placement: 11-12
FHS Number: 7145
Credit: 1.0 GPAL: Level 2
Prerequisite: Art III OR None, but any experience creating art and design work through drawing, in or out of the classroom, will be helpful.
PEIMS APSTARTD A3500300

Develop your skills in drawing as you experiment with different materials and processes. You'll create artwork that reflects your own ideas and skills and what you've learned including: Investigating the materials, processes, and ideas that artists and designers use, practicing, experimenting, and revising as you create your own work, and communicating your ideas about works of art and design. For more information, visit: <https://apstudents.collegeboard.org/courses/ap-drawing>

Art History - Dual Credit (ARTS 1303)

Recommended Grade Placement: 09-12
FHS Number: 7407
Credit: .5 GPAL: Level 2
Prerequisite: Must meet eligibility for dual credit. (TSIA Reading/Writing met).

PEIMS ART1APP 03500110

A chronological analysis of the historical and cultural contexts of the visual arts from prehistoric times to the 14th century.

Theatre Arts I

Recommended Grade Placement: 9-12
FHS Number: 7210
Credit: 1.0 GPAL: Level 1
Prerequisite: None
PEIMS TH1 03250100

This course is designed for students interested in acting and obtaining a basic theatre background. Theatre history, stage movement, vocal techniques, and play production are covered.

Theatre Arts II

Recommended Grade Placement: 9-12
FHS Number: 7220
Credit: 1.0 GPAL: Level 1
Prerequisite: Theatre Arts I
PEIMS TH2 03250200

This course emphasizes advanced acting and technical theatre. Play production, performance, and stagecraft are included.

Theatre Arts III

Recommended Grade Placement: 11-12
FHS Number: 7230
Credit: 1.0 GPAL: Level 1
Prerequisite: Theatre Arts I
PEIMS TH2 03250200

This continuing course in theatrical studies concentrates on theory and technique from a performance perspective. It includes some components of technical theatre.

Theatre Arts IV

Recommended Grade Placement: 12
FHS Number: 7240
Credit: 1.0 GPAL: Level 1
Prerequisite: Theatre Arts 3 and Instructor request.
PEIMS TH3PROD 03250400

This course continues the advanced studies of Theatre Arts 3.

Technical Theatre I

Recommended Grade Placement: 10-12
FHS Number: 7211

Credit: 1.0 GPAL: Level 1
Prerequisite: Theatre Arts I
PEIMS TH 1 TECH 03250500

Technical Theatre is a class for the creative, motivated student seeking knowledge of stagecraft, lighting, sound, costumes, makeup, and theatre production. Skill focus is on: safety, literary analysis, set design and construction, sound design, light design, props, makeup and costume, publicity, and house management.

Technical Theatre II

Recommended Grade Placement: 10-12
FHS Number: 7221
Credit: 1.0 GPAL: Level 1
Prerequisite: Tech Theatre I
PEIMS TH 2 TECH 03250600

In Technical Theatre II the students will be learning to use more complicated tools and how they work. Safety will continue to be stressed above all. We will study the different types of plays and how they should think outside the box in design. We will design simple and complicated sets for the same play and then study and discuss what works. We will study costumes of different times and places. We will also study props, makeup, and sound. We will learn more about the sound effects and how sound is used in Theatre. This class will be very detailed in the study of history from the aspect of the plays we are studying

Technical Theatre III

Recommended Grade Placement: 11-12
FHS Number: 7231
Credit: 1.0 GPAL: Level 1
Prerequisite: Tech Theatre II
PEIMS TH 3 TECH 03251100

Technical Theatre III is for the student interested in the creation and planning of the "behind the scenes" theater preparation. This student will need a basic knowledge of theatre safety, and have a desire to work cooperatively as part of a production team. Students from this class will form the technical crew for FHS theatre productions.

Technical Theatre IV

Recommended Grade Placement: 12
FHS Number: 7241

Credit: 1.0 GPAL: Level 1
Prerequisite: Tech Theatre III
PEIMS TH 4 TECH 03251200

Theatre Production I

Recommended Grade Placement: 10-12
FHS Number: 7212
Credit: 1.0 GPAL: Level 1
Prerequisite: Theatre Arts I
PEIMS TH1PROD 03250700

Theatre Production II

Recommended Grade Placement: 11-12
FHS Number: 7222
Credit: 1.0 GPAL: Level 1
Prerequisite: Theatre Production I
PEIMS TH2PROD 03250800

Theatre Production III

Recommended Grade Placement: 11-12
FHS Number: 7223
Credit: 1.0 GPAL: Level 1
Prerequisite: Theatre Production II
PEIMS TH3PROD 03250900

Theatre Production IV

Recommended Grade Placement: 12
FHS Number: 7224
Credit: 1.0 GPAL: Level 1
Prerequisite: Theatre Production II
PEIMS TH4PROD 03251000

Dance I

Recommended Grade Placement: 9-12
FHS Number: 7510
Credit: 1.0 GPAL: Level 1
Prerequisite: None
PEIMS DANCE 1 03830100

Dance II

Recommended Grade Placement: 9-12
FHS Number: 7511
Credit: 1.0 GPAL: Level 1
Prerequisite: Dance I
PEIMS DANCE 2 03830200

Dance III

Recommended Grade Placement: 10-12
FHS Number: 7512
Credit: 1.0 GPAL: Level 1
Prerequisite: Dance II
PEIMS DANCE 3 03830300

Dance IV

Recommended Grade Placement: 10-12

FHS Number: 7513

Credit: 1.0 GPAL: Level 1

Prerequisite: Dance III

PEIMS DANCE 4 03830400

Floral Design Lab

Recommended Grade Placement: 10-12

FHS Number: 8076

Credit: 2.0 GPAL: Level 1

Prerequisite: Principles of Agriculture, Food, and Natural Resources

PEIMS FLORAL DESIGN 13001810

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 50 enterprises. Through the analysis of artistic floral styles and historical periods, students will develop a respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

PHYSICAL EDUCATION & ATHLETICS

For graduation, 1 credit of P.E. or Athletics is required

Foundations of Personal Fitness I - Boys

Recommended Grade Placement: 9-12

FHS Number: 6000

Credit: 1.0 GPAL: None

Prerequisite: None

PEIMS BOYS PE I PES00051

Foundations of Personal Fitness I - Girls

Recommended Grade Placement: 9-12

FHS Number: 6003

Credit: 1.0 GPAL: None

Prerequisite: None

PEIMS GIRLS PE I PES00051

PE Strength Training - Boys

Recommended Grade Placement: 9-12

FHS Number: 6001

Credit: 1.0 GPAL: None

Prerequisite: None

PEIMS BOYS PE I PES00051

Physical education is designed to develop motor skills, knowledge, and behaviors for active living, physical fitness, sportsmanship, self-efficacy, and emotional intelligence. Physical education addresses the three domains of learning: cognitive skills related to the knowledge of movement, affective skills related to feelings and attitudes about movement, and psychomotor skills related to the manual or physical skills in movement literacy.

Partner PE I

Recommended Grade Placement: 9-12

FHS Number: 6011

Credit: NC GPAL: None

Prerequisite: Prior approval from FHS PE teachers

PEIMS PARTNEPE 1 N1290203

Partner PE II

Recommended Grade Placement: 9-12

FHS Number: 6012

Credit: NC GPAL: None

Prerequisite: Prior approval from FHS PE teachers

PEIMS PARTNEPE 2 N1290204

Inclusionary PE program featuring supervised peer tutors working with students with disabilities who cannot meet the requirements of regular physical education because of physical, social, emotional or behavioral limitations. The program encourages physical activity, increase in the knowledge of health and fitness strategies, and assists in the acquisition of individual lifetime recreation activities and/or skills associated with team sports.

Athletics requires the approval of the coach for participation. Students are expected to enroll for the entire year. A student must be enrolled in Athletics to participate in any sport.

Athletics For Boys

Recommended Grade Placement: 9-12

FHS Number: 6021-6024

Credit: 1.0 GPAL: None

Prerequisite: Coach's approval

PEIMS ATHLECTICBOY PES00000

*****PE substitution*****

Competitive sports include football, cross country, & tennis in the fall; basketball, powerlifting, and soccer during the fall and spring; and baseball, golf, and track in the spring. Off season conditioning is provided.

Athletics For Girls

Recommended Grade Placement: 9-12

FHS Number: 6031-6034

Credit: 1.0 GPAL: None

Prerequisite: Coach's approval

PEIMS ATHLECTICGIRL PES00000

*****PE substitution*****

Competitive sports include volleyball, tennis, and cross country in the fall; basketball, powerlifting, and soccer during fall and spring; and softball, golf, and track in the spring. Off season conditioning is provided.

Drill Team

Recommended Grade Placement: 9-12

FHS Number: 6900

Credit: 1.0 GPAL: None

Prerequisite: Nonel

PEIMS DRILLTEAM PES00014

*****PE substitution*****

Up to one credit for PE may be earned through participation in the Drill Team. Any additional credit in the Drill Team will be awarded as a local credit which does not count toward graduation.

Cheerleading

Recommended Grade Placement: 9-12

FHS Number: 6999

Credit: 1.0 GPAL: None

Prerequisite: Nonel

PEIMS CHEER PES00013

*****PE substitution*****

Up to one credit for PE may be earned through participation in Cheerleading. Any additional credit in Cheerleading will be awarded as a local credit (6988) which does not count toward graduation.

CAREER & TECHNICAL EDUCATION

Agriculture, Food & Natural Resources - Animal Science

Principles of Agriculture, Food and Natural Resources.

Recommended Grade Placement: 9-12

FHS Number: 8000

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS PRINAFNR 13000200

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

Equine Science

Recommended Grade Placement: 10-12

FHS Number: 8035

Credit: 0.5 GPAL: Level 1

Prerequisite: Principles of Agriculture, Food and Natural Resources: Animal Science

PEIMS EQUINSCI 13000500

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules. 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 their knowledge and skills in a variety of settings.

Small Animal Management

Recommended Grade Placement: 10-12

FHS Number: 8045

Credit: 0.5 GPAL: Level 1

Prerequisite: Principles of Agriculture, Food and Natural Resources: Animal Science

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.

Livestock Production

Recommended Grade Placement: 10–12

FHS Number: 8020

Credit: 1.0 GPAL: Level 1

Prerequisite: Principles of Agriculture, Food and Natural Resources: Animal Science

PEIMS LIVEPROD 13000300

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Advanced Animal Science

FHS Number: 8055

Credit: 1.0 GPAL: Level 1

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

PEIMS ADVANSCI 13000700

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. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

Veterinary Medical Applications Lab

Recommended Grade Placement: 11–12

FHS Number: 8051

Credit: 2.0 GPAL: Level 1

Prerequisite: Equine Science, Small animal management or Livestock Production

PEIMS VETMEDLAB 13000610

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

Practicum in AG-Veterinary Medical Applications

Recommended Grade Placement: 11–12

FHS Number: 8052

Credit: 2.0 GPAL: Level 1

Prerequisite: Vet Med Applications

PEIMS PRACAG 13002500

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster, particularly Animal Science and Veterinary Medical Applications.

Agriculture, Food & Natural Resources - Plant Science

Principles of Agriculture, Food and Natural Resources.

Recommended Grade Placement: 9–12

FHS Number: 8000

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS PRINAFNR 13000200

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

Floral Design Lab

Recommended Grade Placement: 10-12

FHS Number: 8076

Credit: 2.0 GPAL: Level 1

Prerequisite: Principles of Agriculture, Food, and Natural Resources

PEIMS FLORAL DESIGN 13001810

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 50 enterprises. Through the analysis of artistic floral styles and historical periods, students will develop a respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

Advanced Floral Design

Recommended Grade Placement: 11-12

FHS Number: 8079

Credit: 1.0 GPAL: Level 1

Prerequisite: Floral Design

PEIMS ADVFLDS N1300270

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.

Practicum in Agriculture, Food, and Natural Resources- Floral

Recommended Grade Placement: 11-12

FHS Number: 8078 GPAL: Level 1

Prerequisite: None. Recommended Prerequisite: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.

PEIMS PRACAFNR1 13002500

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster.

Agriculture, Food & Natural Resources - Agricultural Technology

Principles of Agriculture, Food and Natural Resources.

Recommended Grade Placement: 9–12
FHS Number: 8000
Credit: 1.0 GPAL: Level 1
Prerequisite: None
PEIMS PRINAFNR 13000200

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

Agricultural Mechanics and Metal Technologies

Recommended Grade Placement: 10–12
FHS Number: 8040
Credit: 1.0 GPAL: Level 1
Prerequisite: None.
Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources.
PEIMS AGMECHMT 13002200

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. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings.

Ag Welding 1 (Agricultural Structures Design And Fabrication Lab)

Recommended Grade Placement: 10–12
FHS Number: 8015
Credit: 2.0 GPAL: Level 1
Prerequisite: None.

Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources.

PEIMS AGMECMTLAB 13002310

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

Ag Welding II (Agriculture Equipment Design and Fabrication Lab)

Recommended Grade Placement: 10–12
FHS Number: 8016
Credit: 2.0 GPAL: Level 1
Prerequisite: None. Recommended Prerequisites: Agricultural Mechanics and Metal Technologies.
PEIMS AGEQDFLAB 13002360

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

Practicum in Agriculture, Food, and Natural Resources

Recommended Grade Placement: 11–12
FHS Number: 8017 GPAL: Level 1
Prerequisite: None. Recommended Prerequisite: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.
PEIMS PRACAFNR1 13002500

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or

laboratories. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster.

Carpentry

Principles Of Construction

Recommended Grade Placement: 9–12

FHS Number: 8900

Credit: 1.0 GPAL: Level 1

Prerequisite: None.

PEIMS PRINCON 13004220

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

Construction Technology I

Recommended Grade Placement: 10–12

FHS Number: 8901

Credit: 2.0 GPAL: Level 1

Prerequisite: None. Recommended Prerequisite: Principles of Construction or Principles of Architecture.

PEIMS CONTECH1 13005100

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

considerations, limiting course enrollment to 15 students is recommended.

Construction Technology II

Recommended Grade Placement: 11–12

FHS Number: 8902

Credit: 2.0 GPAL: Level 1

Prerequisite: Construction Technology I.

PEIMS CONTECH1 13005200

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

Practicum In Construction

Recommended Grade Placement: 12

FHS Number: 8903

Credit: 2.0 GPAL: Level 1

Prerequisite: Construction Technology II.

PEIMS PRACCT1 13005250

The Architecture and Construction Career Practicum focuses on designing, planning, managing, building, and maintaining the built environment. The practicum allows the students an opportunity to view and interact professionally with the various fields of architecture, interior design, and construction management.

Dual Credit - Construction Technology I -TSTC

Recommended Grade Placement: 10–12

FHS Number: 8906

Credit: 2.0 College Credit: 3 hours

GPAL: Level 2

Prerequisite: None. Recommended Prerequisite: Principles of Construction or Principles of Architecture.

PEIMS CONTECH1 13005100

Introduction to site preparation, foundations, form work, safety tools and equipment.

Dual Credit - Construction Technology II -TSTC

Recommended Grade Placement: 11–12

FHS Number: 8904

Credit: 2.0 College Credit: 3 Hours

GPAL: Level 2

Prerequisite: DC Construction Technology I.
PEIMS CONTECH1 13005200

Demonstrate safety practices and procedures; use of tools and equipment associated with framing in construction; estimate material requirements for blueprints; and demonstrate methods used in framing.

Dual Credit -Practicum In Construction - TSTC

Recommended Grade Placement: 12

FHS Number: 8903 College Credit: 3 Hours

Credit: 2.0 GPAL: Level 1

Prerequisite: DC Construction Technology II.

PEIMS PRACCT1 13005250

Business, Marketing & Finance - Business

Business Information Management I

Recommended Grade Placement: 9–11

FHS Number: 8200

Credit: 1.0 GPAL: Level 1

Prerequisite: None.

PEIMS BUSIM1 13011400

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

Business Management II

Recommended Grade Placement: 10-12

FHS Number: 8205

Credit: 1.0 GPAL: Level 1

Prerequisite: Business Management I

PEIMS BUSIM2 13011500

In Business Information Management II, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

Human Resource Management

Recommended Grade Placement: 10-12

FHS Number: 8225

Credit: 0.5 GPAL: Level 1

Prerequisite: Business Management II

PEIMS HRMGT 13011900

Human Resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment, 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 the impact of global events on human resources management.

Global Business

Recommended Grade Placement: 11-12

FHS Number: 8220

Credit: 0.5 GPAL: Level 1

Prerequisite: BIM, Business Management

PEIMS GLOBBUS 13011800

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.

Business Management

Recommended Grade Placement: 10-12

FHS Number: 8212

Credit: 1.0 GPAL: Level 1

Prerequisite: None.

PEIMS BUSMGT 13012100

Cybersecurity

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

Practicum In Business Management

Recommended Grade Placement: 11-12

FHS Number: 8260

Credit: 2.0 GPAL: Level 1

Prerequisite: BIM, Business Management

PEIMS PRACBM 13012200

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies.

Extended Practicum In Business Management (Work Program)

Recommended Grade Placement: 11-12

FHS Number: 8261

Credit: 3.0 GPAL: Level 1

Prerequisite: Teacher Approval

PEIMS EXPRBM 13012205

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies.

Computer Science I

Recommended Grade Placement: 9-12

FHS Number: 8351

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS TACS1 03580200

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. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

Computer Science II

Recommended Grade Placement: 11-12

FHS Number: 8352

Credit: 1.0 GPAL: Level 1

Prerequisite: Algebra I and Computer Science I

PEIMS TACS2 03580300

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. By using computer science knowledge and

skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

Internet Technologies I Dual Credit (TSTC - ITSC 1325 Personal Computer Hardware)

Recommended Grade Placement: Spring 10th

FHS Number: 8361

Credit: 2.0 *College Credit:* 3 hours

GPAL: Level 2

Prerequisite: None

PEIMS INTNET2 N1302803

Current personal computer hardware including assembly, upgrading, setup, configuration, and troubleshooting.

Internet Technologies II Dual Credit (TSTC - ITNW 1325 Fundamentals to Networking)

Recommended Grade Placement: Fall 11th

FHS Number: 8362

Credit: 2.0 *College Credit:* 3 hours

GPAL: Level 2

Prerequisite: Internet Technologies I Dual Credit (TSTC - ITSC 1325 Personal Computer Hardware)

PEIMS INTNET1 N1302804

Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.

Networking and Networking Lab - Dual Credit (TSTC - ITNW 1354 Implementing and Supporting Servers)

Recommended Grade Placement: Spring 11th

FHS Number: 8363

Credit: 2.0 *College Credit:* 3 hours

GPAL: Level 2

Prerequisite: Internet Technologies II Dual Credit (TSTC - ITNW 1325 Fundamentals to Networking)

PEIMS NETWRLAB 13027410

Implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment.

Principles of Information Technology

Recommended Grade Placement: 09-12

FHS Number: 8337

Credit: 1.0

GPAL: Level 1

Prerequisite: None

PEIMS PRINIT 13027200

The course helps learners develop essential skills in computer literacy and new technologies to have successful careers in today's business and technological workplaces. Course topics include operating systems, networking, file management, and cybersecurity.

Practicum in Information Technology - Dual Credit (TSTC - ITSY 1374 Secure Linux Administration)

Recommended Grade Placement: Fall 12th

FHS Number: 8364

Credit: 2.0

College Credit: 3 hours

GPAL: Level 2

Prerequisite: Networking and Networking Lab - Dual Credit (TSTC - ITNW 1354 Implementing and Supporting Servers)

PEIMS PRACIT1 13028000

Configure and manage security on Linux systems, to include Linux installation, basic administration, utilities and commands, upgrading system, networking, and application installation; Management and securing network services and hardening of the system OS to mitigate security risks; introduction to common Linux-based open source security tools used to assess security vulnerabilities, analyze malware, and conduct penetration testing.

Practicum in Information Technology - Dual Credit (TSTC - ITNE 2321 Networking with TCP/IP)

Recommended Grade Placement: Spring 12th

FHS Number: 8360

Credit: 2.0

College Credit: 3 hours

GPAL: Level 2

Prerequisite: Networking and Networking Lab - Dual Credit (TSTC - ITNW 1354 Implementing and Supporting Servers)

PEIMS PRACIT2 13028010

Set up, configure, use, and support Transmission Control Protocol/Internet Protocol (TCP/IP) on networking operating systems.

Transportation Distribution, and Logistics - Drone (Unmanned Vehicle)

Robotics I (Drones I)

Recommended Grade Placement: 9-12

FHS Number: 8325

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS ROBOTIC1 13037000

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

Robotics II (Drones II)

Recommended Grade Placement: 10-12

FHS Number: 8326

Credit: 1.0 GPAL: Level 1

Prerequisite: Robotics I

PEIMS ROBOTIC2 13037050

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

Practicum In Drones

Recommended Grade Placement: 1-12

FHS Number: 8327

Credit: 2.0 GPAL: Level 1

Prerequisite: Robotics II

PEIMS PRACMAN1 13033000

The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Arts, Audio/Video Technology, And Communications

Digital Media

Recommended Grade Placement: 9-12

FHS Number: 8111

Credit: 1.0 GPAL: Level 1

Prerequisite: None.

PEIMS DIMEDIA 13027800

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

Commercial Photography I (Yearbook)

Recommended Grade Placement: 9-12

FHS Number: 8112

Credit: 1.0 GPAL: Level 1

Prerequisite: None.

PEIMS CPHOTO1 13009100

In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

Commercial Photography II / Commercial Photography lab II (Yearbook II)

Recommended Grade Placement: 10-12

FHS Number: 8114

Credit: 2.0 GPAL: Level 1
Prerequisite: None
Recommended Prerequisites: Commercial
Photography I
PEIMS CPHLAB2 13009210

***Practicum in Graphic Design and Illustration -
Yearbook***

Recommended Grade Placement: 11–12
FHS Number: 8116
Credit: 2.0 GPAL: Level 1
Prerequisite: None
Recommended Prerequisites: Commercial
Photography II
PEIMS PRACGRD1 13009000

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

***Principles Of Arts, Audio/Video Technology, and
Communications - Dual Credit (ARTC 1305 Basic
Graphic Design***

Recommended Grade Placement: 9–12
FHS Number: 8104 / 8106
GPAL: Level 2
Credit: 0.5 / 0.5 College Credit: 3 hours / 3 hours
Prerequisite: None.
PEIMS PRINAAVTC 13008200

Graphic design with emphasis on the visual communication process. Topics include basic terminology and graphic design principles.

Audio/Video Production I

Recommended Grade Placement: 9–12
FHS Number: 8101
Credit: 1.0 GPAL: Level 1
Prerequisite: None.
Recommended prerequisite: Principles of Art,
Audio/Video Technology
PEIMS AVPROD1 13008500

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video

Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post- production audio and video products.

***Audio/Video Production II / Audio/Video Production
II Lab***

Recommended Grade Placement: 10–12
FHS Number: 8102
Credit: 2.0 GPAL: Level 1
Prerequisite: Audio/Video Production I
PEIMS AVPLAB2 13008610

Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post- production products. Through diverse forms of storytelling and production, students will exercise and develop creativity, intellectual curiosity, and critical-thinking, problem-solving, and collaborative skills. This course may be implemented in an audio format or a format with both audio and video. Requiring a lab requisite for the course affords necessary time devoted specifically to the production and post-production process.

Practicum in Audio/Video Production

Recommended Grade Placement: 11–12
FHS Number: 8103
Credit: 2.0 GPAL: Level 1
Prerequisite: Audio/Video Production II and
Audio/Video Production II Lab.
PEIMS PRACAVP1 13008700

Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre- production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through

lab-based classroom experiences or career preparation opportunities.

Graphic Design and Illustration I and Graphic Design and Illustration I Lab - Dual Credit (ARTC 1302 Digital Imaging I)

Recommended Grade Placement: 11-12

FHS Number: 8126

Credit: 1.0 College Credit: 3 hours

GPAL: Level 2

Prerequisite: ARTC 1305 Basic Graphic Design DC
PEIMS DCGRADLAB1 13008810

Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and image-acquisitions.

Graphic Design and Illustration I and Graphic Design and Illustration I Lab - Dual Credit (ARTC 1317 Design Communication I)

Recommended Grade Placement: 11-12

FHS Number: 8127

Credit: 1.0 College Credit: 3 hours

GPAL: Level 2

Prerequisite: Graphic Design and Illustration I and Graphic Design and Illustration Lab - Dual Credit (ARTC 1302 Digital Imaging I)
PEIMS DCGRADLAB1 13008810

Study of design development relating to graphic design terminology, tools and media, and layout and design concepts. Topics include integration of type, images and other design elements, and developing computer skills in industry standard computer programs.

Graphic Design and Illustration II and Graphic Design and Illustration II Lab - Dual Credit (ARTC 1313 Digital Publishing I)

Recommended Grade Placement: 11-12

FHS Number: 8133

Credit: 1.0 College Credit: 3 hours

GPAL: Level 2

Prerequisite: Graphic Design and Illustration I and Graphic Design and Illustration Lab I/(ARTC 1302 Digital Imaging I and ARTC 1317 Design Communication DC
PEIMS DCGRADLAB2 13008910

The fundamentals of using digital layout as a primary publishing tool and the basic concepts and terminology associated with typography and page layout.

Graphic Design and Illustration II and Graphic Design and Illustration II Lab - Dual Credit (ARTC 2305 Digital Imaging II)

Recommended Grade Placement: 11-12

FHS Number: 8134

Credit: 1.0 College Credit: 3 hours

GPAL: Level 2

Prerequisite: Prerequisite: Graphic Design and Illustration I and Graphic Design and Illustration Lab I/(ARTC 1302 Digital Imaging I and ARTC 1317 Design Communication DC and Graphic Design and Illustration II and Graphic Design and Illustration lab II (ARTC 1313 Design Communication DC)
PEIMS DCGRADLAB2 13008910

Principles of digital image processing and digital painting. Emphasis on raster-based imaging and the creative aspects of electronic illustration for commercial or fine art applications.

Practicum in Graphic Design and Illustration - Dual Credit (ARTC 2317 Typographic Design)

Recommended Grade Placement: 11-12

FHS Number: 8135

Credit: 1.0 College Credit: 3 hours

GPAL: Level 2

Prerequisite: Graphic Design and Illustration I and Graphic Design and Illustration Lab I/(ARTC 1302 Digital Imaging I and ARTC 1317 Design Communication DC and Graphic Design and Illustration II and Graphic Design and Illustration lab II (ARTC 1313 Design Communication DC
ARTC 2305 Digital Imaging II DC)
PEIMS PRACGRD1 13009000

Exploration of typographic design including computer generated letterforms as elements of design. Includes theory and techniques of traditional, contemporary, and experimental typography.

Practicum in Graphic Design and Illustration - Dual Credit (ARTC 2335 Portfolio Development of Graphic Design)

Recommended Grade Placement: 11-12

FHS Number: 8137

Credit: 1.0 College Credit: 3 hours

GPAL: Level 2

Prerequisite: Graphic Design and Illustration I and
Graphic Design and Illustration Lab I (ARTC 1302
Digital Imaging I and ARTC 1317 Design
Communication DC and Graphic Design and
Illustration II and Graphic Design and Illustration lab II
(ARTC 1313 Design Communication DC
ARTC 2305 Digital Imaging II DC and
ARTC 2317 Typographic Design DC)
PEIMS PRACGRD1 13009000

Preparation of a portfolio composed of completed
graphic design projects. Evaluation and demonstration
of portfolio presentation methods based on the
student's specific area of study.

Education & Training - Teacher Internship

Child Development

Recommended Grade Placement: 10–12

FHS Number: 8521

Credit: 1.0 GPAL: Level 1

Prerequisite: Principles of Human Services or Principle
of Education & Training

PEIMS CDAFOUND N1300500

Child Development is a technical laboratory course that
addresses knowledge and skills related to child growth
and development from prenatal through school-age
children, equipping students with child development
skills. Students use these skills to promote the
well-being and healthy development of children and
investigate careers related to the care and education of
children.

Instructional Practices In Education

Recommended Grade Placement: 11–12

FHS Number: 8530

Credit: 2.0 GPAL: Level 1

Prerequisite: None

PEIMS INPRAC 13014400

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.

Instructional Practices In Education - DUAL CREDIT (EDUC 1301 Introduction to Teaching Profession)

Recommended Grade Placement: 11–12

FHS Number: 8532

Credit: 1.0 College Credit: 3 hours

GPAL: Level 2

Prerequisite: Principles of Human Services or Principle
of Education & Training

PEIMS INPRAC 13014400

An enriched integrated pre-service course and content
experience that provides active recruitment and
institutional support of students interested in a
teaching career, especially in high-need fields. The
course provides students with opportunities to
participate in early field observations at all levels of
P-12 schools with varied and diverse student
populations and provides students with support from
college and school faculty, preferably in small cohort
groups, for the purpose of introduction to and analysis
of the culture of schooling and classrooms. Course
content should be aligned as applicable with State
Board for Educator Certification Pedagogy and
Professional Responsibilities standards. Course must
include a minimum of 16 contact hours of field
experience in P-12 classrooms.

Instructional Practices In Education - DUAL CREDIT (EDUC 2301 Introduction to Special Populations)

Recommended Grade Placement: 11–12

FHS Number: 8533

Credit: 1.0 College Credit: 3 hours

GPAL: Level 2

Prerequisite: Principles of Human Services or Principle of Education & Training and Instructional Practices In Education - DUAL CREDIT (EDUC 1301 Introduction to Teaching Profession)

An enriched integrated pre-service course and content experience providing an overview of schooling and classrooms from the perspectives of language, gender, socio-economic status, ethnic and academic diversity and equity with emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations. Course content is aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations.

Communication and Technology in Education

Recommended Grade Placement: 11-12

FHS Number: 8531

Credit: 1.0

GPAL: Level 1

Prerequisite: Principles of Education and Training

PEIMS CMTCHED N1300510

Communication and Technology in Education is an extended course of study designed to provide students with the fundamentals of planning, managing and training services needed to provide learning support services in K-12 classrooms. Students will develop knowledge and skills regarding the professional, ethical, and legal responsibilities in teaching related to educational technology; as well as, understand laws and pedagogical justifications regarding classroom technology use. This course provides an opportunity for students to participate in training related to Google for Education, Microsoft Office Fundamentals, Common Sense Media and Digital Citizenship as they relate to standards set by the International Society for Technology in Education (ISTE).

Practicum In Education And Training

Recommended Grade Placement: 11-12

FHS Number: 8535

Credit: 2.0

GPAL: Level 1

Prerequisite: Instructional Practices. Recommended

Prerequisites: Principles of Education and Training and Human Growth and Development.

PEIMS PRACEDT1 13014500

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, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students.

Family & Community Services

Child Development

Recommended Grade Placement: 10-12

FHS Number: 8521

Credit: 1.0

GPAL: Level 1

Prerequisite: None.

Recommended Prerequisite: Principles of Human Services.

PEIMS CHILDDEV 13024700

Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

Professional Communications (Speech)

Recommended Grade Placement: 9-12

FHS Number: 8999

Credit: 0.5

GPAL: Level 1

Prerequisite: None

PEIMS PROFCOMM 13009900

Professional Communications blends written, oral, and graphic communication in a career - based environment. Careers in the global economy requires individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications,

manipulate computer graphics, and conduct Internet research. **This course is a graduation requirement.**

Dollars And Sense

Recommended Grade Placement: 11-12

FHS Number: 8515

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS DOLLARSE 13024300

Dollars and Sense focuses on consumer practices and responsibilities, money-management processes, decision-making skills, impact of technology, and preparation for human services careers.

Lifetime Nutrition And Wellness

Recommended Grade Placement: 9-12

FHS Number: 8505

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS LNURTWEL 13024500

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

Interpersonal Studies

Recommended Grade Placement: 9-12

FHS Number: 8510

Credit: 0.5 GPAL: Level 1

Prerequisite: None

PEIMS INTERSTU 13024400

Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

Family And Community Services

Recommended Grade Placement: 9-12

FHS Number: 8516

Credit: 1.0 GPAL: Level 1

Prerequisite: None.

Recommended Prerequisite: Principles of Human Services.

PEIMS FAMCOSRV 13024900

Family and Community Services course scope and sequence within the Human Services Career Cluster® summarizes the content to be taught, and one possible order for teaching the units of instruction. A brief description of each unit and the corresponding TEKS are included. This scope and sequence may be adapted or adopted by the local education agency.

Counseling and Mental Health

Recommended Grade Placement: 11-12

FHS Number: 8517

Credit: 1.0 GPAL: Level 1

Prerequisite: None.

Recommended Prerequisite: Principles of Human Services.

PEIMS COUNSMH 13024600

In Counseling and Mental Health, 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 on their actions and responsibilities, and the implications of their actions. Students understand how professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

Practicum in Human Services

Recommended Grade Placement: 11-12

FHS Number: 8518

Credit: 2.0 GPAL: Level 1

Prerequisite: None.

Recommended Prerequisite: Principles of Human Services.

PEIMS PRACHUS1 13025000

Practicum in Human Services provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers. Content for Practicum in

Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Healthcare Diagnostic & Therapeutic Services

Principles Of Health Science

Recommended Grade Placement: 8

FHS Number: 8400

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS PRINHLSC 13020200

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. It is an introductory course to disease prevention, human development and much more.

Medical Terminology

Recommended Grade Placement: 9–12

FHS Number: 8405

Credit: 1.0 GPAL: Level 1

Prerequisite: None

PEIMS MEDTERM 13020300

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.

Health Science Theory

Recommended Grade Placement: 10–11

FHS Number: 8406

Credit: 1.0 GPAL: Level 1

Recommended prerequisite: Biology

PEIMS HLTHSCI : 13020400

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

Anatomy and Physiology (CTE)

Recommended Grade Placement: 11–12

FHS Number: 3071

Credit: 1 GPAL: Level 1

Prerequisite: Biology, Chemistry or IPC.

PEIMS PHYS/ANT 13020600

Anatomy and Physiology is a course geared to those students with an interest in medical, dental, or other health care careers. It includes an in-depth study of the human body's organ systems. The second semester focuses on practical application of anatomical knowledge through lab experiences that include detailed dissection. This course is extremely helpful for students who are considering a health-related career.

Anatomy and Physiology I Dual Credit (Biol 2401)

Recommended Grade Placement: 11–12

FHS Number: 3072

Credit: 0.5 College Credit: 4 hours

GPAL: Level 2

Prerequisite: Biology 1406 with a C or better & Meet dual credit eligibility (TSI).

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

Anatomy and Physiology II Dual Credit (Biol 2402)

Recommended Grade Placement: 11-12

FHS Number: 3073

Credit: 0.5 College Credit: 4 hours

GPAL: Level 2

Prerequisite: Biology 1406 with a C or better & Meet dual credit eligibility (TSI).

PEIMS PHYS/ANT II 13020600

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Content may be either integrated or specialized.

Practicum In Health Science (Phlebotomy)

Recommended Grade Placement: 11-12

FHS Number: 8411

Credit: 2.0 GPAL: Level 1

Prerequisites: Health Science Theory and Biology.

PEIMS PRACHLS1 13020500

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students will have the opportunity to continue the certification process for Patient Care Technician and Phlebotomy.

Exercise Science Wellness & Restoration

Principles of Exercise Science and Wellness

Recommended Grade Placement: 9-10

FHS Number: 8412

Credit: 1.0 GPAL: Level 1

Prerequisites: None.

PEIMS EXSCIWL N1302107

The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. Students who take this course are ideally interested in such careers as physical therapy, athletic training, nutrition, personal training, and recreational therapy. The central focus of this course is to provide students with a solid foundation in the topics of health and wellness and increase their interest in the various careers available in these fields.

Kinesiology I

Recommended Grade Placement: 9-10

FHS Number: 8413

Credit: 1.0 GPAL: Level 1

Prerequisites: None.

PEIMS KINES1 N1302104

This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students will also explore careers within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs. Students will develop a foundation in Kinesiology I that will prepare them for upper-level courses that will dive deeper into the anatomical and physiological functions of the body and provide opportunities for an industry-certified exam such as a certified personal trainer.

Kinesiology II

Recommended Grade Placement: 11–12

FHS Number: 8414

Credit: 1.0

GPAL: Level 1

Prerequisites: Kinesiology I

PEIMS KINES2 N1302124

The Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs. The course is designed to allow students to advance their understanding of professional standards, employability skills, and ethical and legal standards. Throughout this course, students explore the healthcare/exercise business model and gain an understanding of therapeutic sports psychology. Students develop proper aerobic fitness programs and rehabilitation programs. Kinesiology II prepares students for an industry certification exam such as Certified Personal Trainer.

Practicum of Entrepreneurship

Recommended Grade Placement: 11–12

FHS Number: 8416

Credit: 2.0

GPAL: Level 1

Prerequisites: Kinesiology I and Kinesiology II

PEIMS PRACENT N1303425

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 and build on and apply the knowledge and skills gained from courses taken in an array of career areas. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of the student's need for work-based learning experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. It is recommended that students are paired with local

business owners or employers in their specific industry program of study.

GENERAL ELECTIVES

Professional Communications (Speech)

Recommended Grade Placement: 9–12

FHS Number: 8999

Credit: 0.5

GPAL: Level 1

Prerequisite: None

PEIMS PROFCOMM 13009900

Professional Communications blends written, oral, and graphic communication in a career - based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. **This course is a graduation requirement.**

STRATEGIC LEARNING FOR HS MATH

Recommended Grade Placement: 9–12

FHS Number: 9003

Credit: 1.0

GPAL: Level 1

Prerequisite: Administrative Placement

PEIMS STLNHSM N1110030

This course is intended to create strategic mathematical learners. The course will stimulate students to think about their approach to mathematical learning and identify errors in the learning process, and support key cognitive mathematical skills.

9090 GRADUATE LAB

Grade Level: 9-12 Credit: Varies

Students enrolled in Graduate Lab will work online and self-paced through Edgenuity to regain credits lost that are required for graduation. Approval Required.

9888 LEGACY PROGRAM

A drop-out prevention and recovery program at FHS.

Grade Level: 11-12

Application and Approval Required.