Lampasas High School

Course Description
2024-2025

LAMPASAS HIGH SCHOOL

COURSE DESCRIPTIONS AND PROCEDURES FOR THE 2024-2025 SCHOOL YEAR

Information in this guide is subject to administrative change. This book lists courses offered at Lampasas High School. Read each course description carefully and note the prerequisites, course weight, grade level and semester information. Students will meet **9 periods, 8 of which are academic classes, plus 1 academic period.**

All seniors must be enrolled for a minimum of six (6) class periods, plus 1 academic period. College courses do not count as part of the five unless taken on campus at LHS during the regular school day. Ninth, tenth, and eleventh grade students must schedule 8 academic classes, plus 1 academic period.

During spring registration, each student is given the opportunity to select courses for the following year. Course offerings are planned on the basis of state and local requirements and student requests/interest. **Students must list alternate courses in case their first choice is not available.** Some courses listed in this booklet may not be offered, a class may be full, or there may be scheduling conflicts which would prohibit students from taking every course they request.

SCHEDULE CHANGE PROCEDURE

There will be strict adherence to course placements: Students will make course requests in mid-spring and have until May 25th to make any changes. Any changes made after May 25th will be for one of the following reasons:

1. **The course requested by the student was either full or not offered.**

   Note: The counselors reserve the option to change electives due to course availability and/or scheduling conflicts.

2. **Athletics, band, cheerleading, choir, flames, color guard or any other program where a coach requests that a student's schedule be changed.**

EARLY GRADUATION

Any student who intends to graduate early (before the spring of their 4th year in high school) **must** fill out an early graduation application and submit it to the principal for approval prior to the beginning of the semester that the student is requesting to graduate. Students graduating in 3 years will be rolled up into the senior class after the fall semester (January) of their 3rd year in high school. **Early graduates are not eligible to receive the highest-ranking graduate certificate from the state of Texas, and are not eligible to receive the local honors of Valedictorian or Salutatorian.**

GRADUATION REQUIREMENTS

There are two courses of study for graduation:

- Foundation – 22 credits
- Foundation with Endorsements – 26 credits

All students start on the foundation plan with an endorsement. The Foundation High School Program with endorsements is a flexible program that allows students to pursue their interests. It is the default graduation program for students who entered high school in the 2014-15 school year or later. A student entering 9th grade must indicate an endorsement he or she plans to follow. A student may change or add an endorsement at any time. Before a student is eligible to request graduation under the Foundation Plan only, the student must have completed the sophomore year and meet eligibility criteria. The Foundation Plan with Endorsements and the Distinguished Level of Achievement are recommended for students planning to attend college.

Students graduating in the top 10% of their class

A student must earn the Distinguished Level of Achievement designation to be eligible for Top 10 percent automatic admission to a Texas public university. The Distinguished Level of Achievement is a high level of academic achievement earned by going beyond the Foundation High School Program. It requires a total of 26 course credits, including Algebra II, a fourth science credit and an endorsement.

Distinguished Level of Achievement and Performance Acknowledgments

Students earn the distinguished level of achievement in the following manner:

- Successfully complete the requirements of the foundation program and at least one endorsement
- Complete for credits of Science and Mathematics to include Algebra II

Students may earn performance acknowledgments in the following domains:

- **Outstanding performance in dual credit**
    - Students earn this by completing at least 12 hours of college 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 4.0 scale.
    - Students may also earn this acknowledgement by completing an associate's degree while in high school.

- **Outstanding performance in bilingualism and biliteracy**
    - Complete all language arts requirements and maintaining a minimum GPA of the equivalent of 80 on a scale of 100 and:
        - Complete at least three credits in the same language in a language other than English and maintain a GPA of at least 80 on a scale of 100

        - Demonstrate proficiency in the Texas Essential Knowledge and skills for level IV or higher in a language other than English with a minimum GPA of at least 80
        - Earn a 3 or higher on an AP exam for a language other than English

- **Outstanding performance on a AP or IB exam**
    - Earning a score of 3 or higher on an AP exam
    - Earning a score of 4 or higher on an IB exam

- **Outstanding performance on an established norm referenced preliminary college preparation assessment**
    - Earning a score on the STA/National Merit Scholarship Qualifying test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher
    - Earning a composite score of 1310 or higher on the SAT
    - Earning a composite score of at least 28 on the ACT (excluding the writing portion)

- **Outstanding performance for earning a state or nationally recognized business or industry certification or license**
    - Students may earn this acknowledgement with:
        - Performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
        - Performance on an examination sufficient to obtain a government-required credential to perform a profession
    - Nationally or internationally recognized business or industry certification shall be defined as an industry-validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:
        - A national or international business, industry, or professional organization
        - A state agency or other government entity
        - A state based industry association
    - Certifications or licensures for performance acknowledgments shall:
        - Be age appropriate for high school students
        - Represent a student's substantial course of study and/or end-of-program knowledge and skills
        - Include an industry-recognized examination or series of examinations, an industry-validated skill test, or demonstrated proficiency through documented, supervised field experience; and
        - Represent substantial knowledge and multiple skills needed for successful entry into a high skills occupation

Foundation Program

	Foundation	**Foundation with Endorsement**
English Language Arts	Four Credits: • English I • English II • English III • An advanced English course(s)	**Four Credits:** • **English I** • **English II** • **English III** • **An advanced English course(s)**
Mathematics	Three Credits: • Algebra I • Geometry • An advanced math course	**Four Credits:** • **Algebra I** • **Geometry** • **Advanced math course** • **Advanced math course**
Science	Three Credits: • Biology • IPC or an advanced lab science • An advanced science course	**Four Credits:** • **Biology** • **IPC or an advanced lab science** • **Advanced science course** • **Advanced Science course**
Social Studies	Three Credits: • World History or World Geography • U. S. History • U. S. Government (.5 credit) • Economics (.5 credit)	**Three Credits:** • **World History or World Geography** • **U. S. History** • **U. S. Government (.5 credit)** • **Economics (.5 credit)**
Physical Education	One Credit: • May be satisfied through PE, athletics, or appropriate substitution – see course descriptions	**One Credit:** • **May be satisfied through PE, athletics, or appropriate substitution – see course descriptions**
Languages other than English	Two Credits: • Two credits in the same language or two credits from Computer Science I, II, and III	**Two Credits:** • **Two credits in the same language or two credits from Computer Science I, II, and III**
Fine Arts	One Credit	**One Credit**
Speech	• May be satisfied through Professional Communication, Communication Applications, or successful completion of English 3.	• **May be satisfied through Professional Communication, Communication Applications, or successful completion of English 3.**
Electives	Five state approved elective credits.	**Seven credits that complete a coherent sequence of courses for an endorsement.**
Total:	22	**26**

LHS Endorsement Options – Brief Overview

STEM	A student may earn a STEM endorsement by completing foundation and general endorsement requirements including **Algebra II, Chemistry, and Physics** and: • A coherent sequence of four or more credits of CTE from the STEM career cluster. * see the counselor / CTE director for more information • A coherent sequence of four credits in computer science • A total of five credits in mathematics by successfully completing two additional math courses for which Algebra II is a prerequisite. • A total of four science credits from the 4th science credit list * see counselor
Business & Industry	A student may earn a Business & Industry endorsement by completing foundation and general endorsement requirements and: • A coherent sequence of four or more credits of CTE that consists of at least two credits in the same career cluster and one advanced course. The final course in the sequence must be selected from Ag, Construction, Art/ AV., Business, Transportation, Marketing, Info. Tech., Manufacturing, Hospitality, or Finance career clusters. • Four English elective credits by selecting three levels in one of the following: advanced broadcast journalism, newspaper, yearbook, public speaking, or debate.
Public Services	A student may earn a Public Service endorsement by completing foundation and general endorsement requirements and: • A coherent sequence of four or more credits of CTE that consists of at least two credits in the same career cluster and one advanced course. The final course in the sequence must be selected from Education & Training, Govt. & Public Administration, Health Science, Human Services, or Law & Public Safety career clusters.
Arts & Humanities	A student may earn a Business & Industry endorsement by completing foundation and general endorsement requirements and: • A total of five credits in Social Studies • Four levels of the same language in languages other than English • A combination of two levels in a language other than English for two separate languages (ex: two levels of German and two levels of Spanish) • A coherent sequence of four credits by selecting courses from one or two categories or disciplines in fine arts (Band, Art, Theater, Dance).
Multidisciplinary	A student may earn a Multidisciplinary endorsement by completing foundation and general endorsement requirements and: • Four credits in each of the four foundation subject areas to include **English IV and Chemistry or Physics.** • Four credits in advanced placement (AP), International Baccalaureate (IB), or dual credit selected form English, mathematics, science, social studies, economics, languages other than English, or fine arts. • Four advanced courses that prepare a student for a career or postsecondary education from one or more endorsement areas that are not in a coherent sequence.

CCMR
What you need to know

What is CCMR?

CCMR stands for College, Career, and Military Ready

What does it mean to be CCMR ready?

Lampasas ISD wants Lampasas High School graduates to be as prepared as possible for whatever possibility awaits them after they graduate. There are several ways a student may demonstrate they are CCMR ready.

1.) Students may demonstrate they are College Ready – college in this sense refers to any form of post-secondary education. This may be a traditional 4-year school, a 2-year school, a trade school, an online school, or any training program past high school. Students may demonstrate college readiness through qualifying scores on the SAT, ACT, TSIA, or TSIA-2 exams. Students may also demonstrate college readiness by earing 3 college credit hours in English or Math through dual credit, earning credit through an On-Ramps course, or by earning a total of at least 9 hours of dual credit in subjects other than English or Math. Also, any student who earns a 3 or higher on an AP exam is considered college ready.

College readiness scores:

SAT - reading 480, math 530

ACT - Before 2/25/2023 reading 19, math 19 and an overall composite of at least 23

After 2/15/2023 Combined 40 for reading and English, 22 in math – no composite requirement

TSIA-2 English 945 or higher and 5+ on essay; or less than 945 and diagnostic & essay 5+
Math 950 or higher or less than 950 and diagnostic of 6

2.) Students may demonstrate they are Career Ready – in this sense career ready refers to having learned a skill and earned a certification in high school that will allow the student to enter the workforce at a higher level than if the student only had a high school diploma. Lampasas High school offers a variety of career and technical classes that afford the students an opportunity to earn industry recognized certifications. Students who complete CTE courses and earn an industry recognized certification are considered to be career ready. See your counselor for more information.

3.) Students demonstrate they are Military Ready – students that have achieved a qualifying score for service in the United States Military on the ASVAB exam and have committed to enlistment after graduation are considered military ready. Students enlisting in the US Military should provide a copy of their documentation to their counselor.

Career and Technology Programs of Study (Pathways)

Lampasas High school is committed to offering courses to help student be as prepared for life after high school as they can be. LHS offers the following CTE Pathways.

Agriculture, Food, and Natural Resources

- Animal Science Pathway
- Agriculture Technology and Mechanical Systems Pathway
- Plant Science Pathway
- Environmental & Natural Resources Pathway

Architecture and Construction

- Carpentry Pathway

Arts, AV Technology and Communications

- Digital Communications Pathway
- Graphic Design and Interactive Media Pathway

Business Marketing and Finance

- Accounting and Financial Services Pathway

Education and Training

- Teaching and Training Pathway

Health Science

- Diagnostic and Therapeutic Services Pathway
- Nursing Science Pathway

Hospitality and Tourism

- Culinary Arts Pathway

Human Services

- Cosmetology and Personal Care Pathway
- Family and Community Services Pathway

Law and Public Service

- Fire Science Pathway
- Law Enforcement Pathway

Manufacturing

- Welding Pathway

Transportation, Distribution, and Logistics

- Automotive Pathway

Grading System and Class Rank

The District shall apply the same class rank calculation method and rules for graduation 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 taken in grades 9–12 only and taken in the following subject areas only: English, mathematics, science, social studies, and languages other than English; however, the District shall include semester grades earned in grades 9–12 in any Advanced Placement (AP) course and any course designated by the District as Pre-AP or Honors subject to the following: The calculation of class rank shall exclude grades earned in any local credit course, any summer school course, any distance learning course or other independent study course (Odyssey, home school), and any dual credit course; or through credit by examination, with or without prior instruction.

All courses have been placed on a weighted system. Grade points will be assigned according to the level of the course. The cumulative GPA (**G**rade **P**oint **A**verage) is determined by dividing the total number of grade points earned by the number of units attempted.

Course Credit

A student in grades 9-12 will earn credit for a course only if the final grade is 70 or above. For a two-semester (1 credit) course, the student's grades from both semesters will be averaged and credit will be awarded if the combined average is 70 or above. Should the student's combined average be less than 70, the student will be required to retake the semester in which he or she failed.

Honors, Pre AP, and AP classes are weighted for GPA, only. A student who is enrolled in Honors, Pre PAP, or AP class would have 10 extra points calculated in his/her GPA*, but the 10 points are NOT added to the student's grade*. (Ex. A student who makes an 85 in a PAP class would receive an 85 on his report card/transcript, but it would calculate for GPA purposes as a 95). Please note *weight does not* raise a grade below 70 to passing.

UIL Eligibility and Honors PAP/AP Courses

- **AP courses, dual credit, and Honors Pre-Cal, and Honors On-Ramp Courses**

  Students enrolled in **AP Courses, Dual Credit Courses, Honors On-Ramp, and Honors Pre-Calculus** will retain UIL eligibility even if the grade is below a 70.

- **Pre AP- Courses and Honors Courses (Excluding Honors Pre-Cal)**

  A Pre AP-Course / Honors Course waiver will apply to each course (excluding Honors Pre-Cal) the ***first time*** a student fails a grading period where eligibility may be lost.

  Once a waiver has been used for a course, the course will be treated as a non- Pre AP or Honors class for the No-Pass No Play Eligibility.

Honors and AP Courses

- Enrollment in Honors /AP courses is for a minimum of the first three weeks. Schedule changes will only be made at the end of the first three weeks of school or at the beginning of the second semester with LISD approval.
- The administration reserves the right to remove a student from Honors / AP course due to attendance, discipline or other circumstances.
- **All students taking an AP course with LHS will have the option to take the associated AP exam at the end of the course**. The district may elect to pay the cost of exams – check with the school counselor to determine if fees are owed to take an AP exam. Some colleges will grant college credit for certain AP exam scores. Check with the college you plan to attend.
- All students who are planning to go to college are encouraged to take at least one AP course before they graduate from LHS.

Local Credit

- All Student Aides (Counselor, Library, Office, etc.)
- Test Prep

Dual Credit

A student must meet college readiness standards through TSIA-2, ACT, or SAT to take courses for college credit. **Some exceptions may apply for non-core dual credit courses. College readiness scores can be viewed on page 7 of this manual.**

No grade lower than a C/70 will receive high school credit. **Students are responsible for tuition, fees, and books** in all dual credit courses. Students must apply, be accepted, and be enrolled in the college granting dual credit, even if the class is taught during the regular school day. LHS dual credit classes are taught through a partnership with a 2 year institution and may be taught in a regular classroom setting during the day or facilitated online during the school day in a computer lab. Students may also take evening courses, summer school courses, and online courses through an accredited university on their own time. It is the responsibility of the student to provide LHS an official transcript verifying credit that has been awarded by an accredited University if the student also wants high school credit. Students should check with their counselor to ensure LHS can accept the credit they wish to use. Not all college classes can be accepted to satisfy high school credit requirements.

Note: Although the recommended number of courses per semester is limited to two (2) classes, a student may take more with prior approval. Texas Law requires approval from the Chief Academic Officer of the college and the High School Principal for dual credit students taking over two courses per semester.

On Ramps Courses

On Ramps courses are dual enrollment courses taught in partnership with the University of Texas in Austin. Students are enrolled in both the university level course and an Honors section of the course at Lampasas High School. The student will receive two separate grades. One for the university level course and one for the high school course. These grades may be different. Students have the option of accepting or rejecting the college

grade. If the student chooses to accept the grade, he/she will receive college credit granted by the University of Texas at Austin. Course fees apply. Students may be responsible for paying the cost of On Ramps courses. Please check with the high school counselors to determine if fees apply.

Articulated Courses

Articulated courses are Career and Technology courses which allow students to receive both High School credit and college hours. After they enroll in college, students must appeal to the college for credit.

Articulated courses are Not considered dual credit courses at Lampasas High School for GPA calculation.

There are two kinds of articulated courses:

Local Articulations: This agreement provides a mechanism that enables awarding college credit through articulation upon completion of specific courses and accepted by local colleges.

Statewide Articulation (Advanced Technical Credit): College credit for classes taught by ATC certified teachers. Credit is accepted by many participating colleges. Check with your counselor for an up-to-date list of participating colleges.

Credit by Examination

In accordance with local policy, a student may be given credit for an academic subject in which he/she has had some prior instruction, if the student scores 70 percent on a criterion-referenced test for the applicable course *EC 28.023; 19 TAC 74.24(c)(3). EEJA (Legal)*

If a student has no prior instruction, the student must score 80% or above. If credit is given, the District shall enter the examination score on the student's transcript*. EC 28.023; 19 TAC 74.24. EEJB (Legal)*

Exams for Acceleration (EFA)

Exams for acceleration will be offered to students in grades 9-12 who request to demonstrate proficiency in a course in which they have not been previously enrolled. This exam is for students with **no prior instruction**. Students in grade 9-12 may accelerate in some core subjects and in select elective courses. Students will receive one semester credit (1/2 credit) per exam. To earn a full credit, high school students will need to take two exams. **In order to receive credit for an EFA, students must score 80% or higher.**

EFA Test Dates and Registration Form

The test dates and forms for registration are located on the Lampasas ISD website. Click on Credit by Exam, then Credit Recovery.

How to apply for EFA

Speak with your counselor to obtain an application form. A check made payable to Lampasas ISD in the amount of 35.00 per exam must accompany your application. Students taking an EFA will be refunded the $35 per exam

deposit after they have completed the exam. This fee is non-refundable for students taking an EFA if the student fails to show up to take an EFA at the scheduled time.

Your application for an EFA must be submitted to your counselor or your school administration on or before the submission deadlines shown on the website**. If a student wishes to take an EFA on a date other than the posted test dates, the test fee of 35.00 will not be refunded.**

Distance Learning

Distance learning and correspondence courses include courses that encompass the state-required essential knowledge and skills but are taught through multiple technologies and alternative methodologies such as satellite, internet, video-conferencing, and instructional television. The Texas Virtual School Network (TxVSN) has been established as one method of distance learning. A student has the option, with certain limitations to enroll in a course offered through the TxVSN to earn course credit for graduation. In limited circumstances, a student in grade 8 may also be eligible to enroll in a course through the TxVSN.

Depending on the TxVSN course in which a student enrolls, the course may be subject to the "no pass, no play" rules. In addition, for a student who enrolls in a TxVSN course for which an end-of-course (EOC) assessment is required, the student must still take the corresponding EOC assessment. The requirements related to the incorporation of the EOC score into the student's final course grade and the implications of these assessments on graduation apply to the same extent as they apply to traditional classroom instruction.

If you have any questions or wish to make a request that your child be enrolled in a TxVSN course, please contact the counselor.

Procedures for enrolling in LISD from homeschooling or a non-accredited school.

All students entering LHS from non-accredited public, private, or parochial school shall validate high school credit for courses by testing or submitting an official transcript certifying that the courses meet State Board requirements and standards. Entering students may be required to pass an examination over previously taken courses at the highest level of reported mastery. Mastery of Texas Essential Knowledge and Skills (TEKS) for individual courses may be tested by examinations obtained from the University of Texas or Texas Tech University. All cost incurred in testing will be the responsibility of the student or his/her parents. The grade earned from credit by exam will be the final grade on the student's transcript.

Students entering from an accredited public, private or parochial school must submit an official transcript showing credits earned for high school. LISD reserves the right to refuse to grant credit for any course **not approved for state graduation credit by the Texas Education Agency.**

9th – 12th Grade

COURSE DESCRIPTIONS by Subject Area

English

The curricula for all English courses are arranged around the elements of writing (composition), language (grammar), literature (literary analysis), and reading (research).
EOC: Student will be required to take the End of Course Exam for English I for graduation requirements.
EOC: Student will be required to take the End of Course Exam for English II for graduation requirements.

English I (1010) Grade: 9

Weight: Regular
Semester: Both
Credit: 1
EOC: Student will be required to take the End of Course Exam for English I for graduation requirements.
The English language arts and reading Texas Essential Knowledge and Skills (TEKS) embody the interconnected nature of listening, speaking, reading, writing, and thinking through the seven integrated strands of developing and sustaining foundational language skills; comprehension; response; multiple genres; author's purpose and craft; composition; and inquiry and research. The strands focus on academic oracy (proficiency in oral expression and comprehension), authentic reading, and reflective writing to ensure a literate Texas. The strands are integrated and progressive with students continuing to develop knowledge and skills with increased complexity and nuance in order to think critically and adapt to the ever-evolving nature of language and literacy.

Honors English I (1110) Grade: 9

Weight: Advanced
Semester: Both
Credit: 1
EOC: Student will be required to take the End of Course Exam for English I for graduation requirements. The course will include integrated writing and language concepts and skills, and integrated literature and reading concepts and skills. **Analysis and evaluations will be more in-depth than in a Regular English I course. NOTE: There will be a summer reading project and a more rigorous curriculum in Honors English I.**

English II (1020) Grade: 10

Weight: Regular
Semester: Both
Credit: 1
EOC: Student will be required to take the End of Course Exam for English II for graduation requirements. The course will include integrated writing and language concepts and skills and integrated literature and reading concepts and skills. Text complexity increases with challenging vocabulary, sophisticated sentence structures, nuanced text features, cognitively demanding content, and subtle relationships among ideas. As skills and knowledge are obtained in each of the seven strands, students will continue to apply earlier standards with greater depth to increasingly complex texts in multiple genres as they become self-directed, critical learners who work collaboratively while continuously using metacognitive skills.

Honors English II (1120) Grade: 10

Weight: Advanced
Semester: Both
Credit: 1
EOC: Student will be required to take the End of Course Exam for English II graduation requirements.
The course will include integrated writing and language concepts and skills and integrated literature and reading concepts and skills. **Analysis and evaluations will be more in-depth than in regular English II and the rigor is greater in the Honors English II class. NOTE: There will be a summer reading project and a more rigorous curriculum in the PAP English II.**

English III (1030) Grade: 11

Weight: Regular
Semester: Both
Credit: 1
The course will include integrated writing and language concepts and skills and integrated literature and reading concepts using works in American literature. Text complexity increases with challenging vocabulary, sophisticated sentence structures, nuanced text features, cognitively demanding content, and subtle relationships among ideas. As skills and knowledge are obtained in each of the seven strands, students will continue to apply earlier standards with greater depth to increasingly complex texts in multiple genres as they become self-directed, critical learners who work collaboratively while continuously using metacognitive skills.

AP English III Language (1230) Grade: 11

Weight: Advanced
Semester: Both
Credit: 1
A college level curriculum focusing on language.
Content requirements for Advanced Placement (AP) English Language and Composition are prescribed in the College Board Publication Advanced Placement Course Description: English, published by The College Board. This publication may be obtained from the College Board Advanced Placement Program. **AP EXAM: Students will have the opportunity to take the AP exam for college credit at the end of the school year. (Exam fees apply) NOTE: There will be a summer reading project in the AP English III class.**

English IV (1040) Grade: 12

Weight: Regular
Semester: Both
Credit: 1
The course will include integrated writing and language concepts and skills and integrated literature and reading concepts using works in British literature. Text complexity increases with challenging vocabulary, sophisticated sentence structures, nuanced text features, cognitively demanding content, and subtle relationships among ideas (Texas Education Agency, STAAR Performance Level Descriptors, 2013). As skills and knowledge are obtained in each of the seven strands, students will continue to apply earlier standards with greater depth to increasingly complex texts in multiple genres as they become self-directed, critical learners who work collaboratively while continuously using metacognitive skills.

AP English IV Literature (1240) Grade: 12

Weight: Advanced
Semester: Both
Credit: 1
A college level English curriculum that focuses on British Literature.
Content requirements for Advanced Placement (AP) English Literature and Composition are prescribed in the College Board Publication Advanced Placement Course Description: English, published by The College Board. This publication may be obtained from the College Board Advanced Placement Program. A**P EXAM: Students will have the opportunity to take the AP exam for college credit at the end of the school year. (Exam fees apply)**
NOTE: There will be a summer reading project in the AP English IV class.

College English 1301 Composition 1 (Dual Credit) (1240d) Grade: 11, 12

Weight: None
Semester: Fall
Credit: ½ & 3 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Course is facilitated on-line / distance learning
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

College English 1302 Composition 2 (Dual Credit) (1250d) Grade: 11, 12

Weight: None
Semester: Spring
Credit: ½ & 3 College Credits
Prerequisite: Successful completion of dual credit English 1301
A college level curriculum
Course is facilitated on-line / distance learning
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

College English 2322 British Lit 1 (Dual Credit) 1 (1260d) Grade: 12

Weight: None
Semester: Fall
Credit: ½ & 3 College Credits
Prerequisite: Successful completion of dual credit English 1302
A college level curriculum
Course is facilitated on-line / distance learning
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

College English 2323 British Lit 2 (Dual Credit) 1 (1270d) Grade: 12

Weight: None
Semester: Fall
Credit: ½ & 3 College Credits
Prerequisite: Successful completion of dual credit English 2322
A college level curriculum
Course is facilitated on-line / distance learning
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

English for speakers of other languages I (1070)

Weight: Regular
Semester: Both
Credit: 1 per year
Prerequisite: Need as determined by counselor/ESL teacher evaluation
Includes English language acquisition, culture, listening, speaking, reading, and writing. To demonstrate this knowledge throughout the stages of English language acquisition, comprehension of text requires additional scaffolds such as adapted text, translations, native language support, cognates, summaries, pictures, realia, glossaries, bilingual dictionaries, thesauri, and other modes of comprehensible input. ELLs can and should be encouraged to use knowledge of their first language to enhance vocabulary development; vocabulary needs to be in the context of connected discourse so that it is meaningful. Strategic use of the student's first language is important to ensure linguistic, affective, cognitive, and academic development in English.

English for speakers of other languages II (1080)

Weight: Regular
Semester: Both
Credit: 1 per year
Prerequisite: Need as determined by counselor/ESL teacher evaluation
Includes English language acquisition, culture, listening, speaking, reading, and writing. English language learners (ELLs) are expected to meet standards in a second language; however, their proficiency in English influences the ability to meet these standards. To demonstrate this knowledge throughout the stages of English language acquisition, comprehension of text requires additional scaffolds such as adapted text, translations, native language support, cognates, summaries, pictures, realia, glossaries, bilingual dictionaries, thesauri, and other modes of comprehensible input. ELLs can and should be encouraged to use knowledge of their first language to

enhance vocabulary development; vocabulary needs to be in the context of connected discourse so that it is meaningful. Strategic use of the student's first language is important to ensure linguistic, affective, cognitive, and academic development in English.

Communication Applications (5310) Grade: 9-12

Weight: Regular
Semester: Fall / Spring TBD
Credit: ½ (.5)
Students learn effective nonverbal behaviors, listen for desired results, and apply valid critical-thinking and problem-solving processes. Students enrolled in Communication Applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. *

Practical Writing (1050) Grade: 10-12

Weight: Regular
Semester: Both
Credit: 1 per year
Prerequisite: Need as determined by counselor/teacher evaluation
This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. Students are expected to understand the recursive nature of reading and writing. Evaluation of students' own writing as well as the writing of others ensures that students completing this course are able to analyze and evaluate their writing.

Creative Writing (1055) Grade: 10-12

Weight: Regular
Semester: Both
Credit: 1 per year
Prerequisite: Need as determined by counselor/teacher evaluation
Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

College Preparatory Course English Language Arts (1091) Grade: 12

Weight: Regular
Semester: Both
Credit: 1
Prerequisite: Need as determined by counselor / Administrator / TSI placement score; this course is recommended for students that have not met TSI college readiness standards.
This course may be embedded in another course. In this college-preparatory course students will improve the skills necessary to successfully complete an entry level college English course. The course focuses on integrated critical reading and writing skills through engagement with a variety of texts across content areas and genres. *

Mathematics

9th Grade Students: Proper placement at the ninth grade is essential. Past performance should be a consideration when choosing math courses. Students who took Algebra 1 in 8th grade should take either Regular Geometry or PAP Geometry. Students who did not take Algebra 1 in 8th grade may take either Regular Algebra 1 of PAP Algebra 1. EOC: Student will be required to take the End of Course Exam for Algebra I for graduation requirements. **Successful completion of Algebra I and Geometry are required by the state of Texas. Algebra I is the prerequisite for all high school math courses. Students must take Algebra before they can take another high school math class. Students who do not pass Algebra may be concurrently enrolled in Algebra I and Geometry during the next school year.**

Algebra I (2010) Grade: 9

Weight: Regular
Semester: Both
Credit: 1
EOC: Student will be required to take the End of Course Exam for Algebra I for graduation requirements.
Algebra I is the foundation of higher-level mathematics courses. It includes the study of the real number system; the algebraic representation solutions, and evaluation situations; graphing as a toll to interpret linear relations, functions, and inequalities; quadratic equations; polynomials and rational and irrational expressions.

Honors Algebra I (2110) Grade: 9

Weight: Advanced
Semester: Both
Credit: 1
EOC: Student will be required to take the End of Course Exam of Algebra I for graduation requirements.
Students will be expected to have superior study habits and the ability to master basic skills readily so more emphasis can be placed on applications and problem solving. The course will focus on problems involving algebraic representations of equations, inequalities, polynomials, graphs, and linear or quadratic functions with exploration of exponential functions. The rigor of the PAP Algebra I class is greater than that of the Regular Algebra I class. Students generally move at a faster pace in the PAP course.

Geometry (2020) Grade: 9, 10

Weight: Regular
Semester: Both
Credit: 1
State mandated Prerequisite: Credit for Algebra 1
It includes the essentials of plane, solid and coordinate geometry. Transformational, coordinate and vector approaches are used to explore the congruencies and similarities of geometric figures as well as parallel and perpendicular lines throughout the course. Through logical thinking and the use of inductive and deductive reasoning, students will prove statements and make conjectures concerning the properties of geometric figures.

Honors Geometry (2110) Grade: 9, 10

Weight: Advanced
Semester: Both
Credit: 1
State mandated Prerequisite: Credit for Algebra 1
This course is designed for the student who has exceptional talent, responsibility, and inquisitiveness for the study of mathematics. The essentials of plane, solid and coordinate geometry are enriched with topics of logic, additional solid geometry topics, and transformations. The ability of students to function at the basic skill level will be presumed and attention shall focus on the higher levels of learning skills. Instructors will provide the students with a variety of situations that enable each student to practice convergent and divergent thinking skills, and creative problem-solving techniques.

Math Models with Applications (2040) grade: 10, 11

Weight: Regular
Semester: Both
Credit: 1
State mandated Prerequisite: Credit for Algebra 1
Local Prerequisite: Administrator approval – Instruction through Edgenuity
Students use ideas from algebra, geometry, probability and statistics to solve realistic applied problems. Concrete, algorithmic, graphical and technological tools and a variety of representations will be used to solve problems that involve money, data, patterns, music, design, nature and science. *

Financial Mathematics (2045) Grade: 11, 12

Weight: Regular
Semester: Both
Credit: 1
State mandated Prerequisite: Credit for Algebra 1
This course requires administrative approval for 11th grade. Note: This course may not be taken for Math credit if credit has been earned in Math Models or Math for AF&R. 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.

Algebra 2 (2030) Grade: 10-12

Weight: Regular
Semester: Both
Credit: 1
State mandated Prerequisite: Credit for Algebra 1
Recommended Prerequisite: Credit for Geometry
Course includes open sentences, functions, complex numbers, polynomials and rational functions, quadratic functions, conic sections, exponential and logarithmic functions, sequences and series, matrices and probability.

Honors Algebra 2 (2130) Grade: 10-12

Weight: Advanced
Semester: Both
Credit: 1
State mandated Prerequisite: Credit for Algebra 1
Recommended Prerequisite: Credit for Honors Geometry
This course is designed for the student who has exhibited diligence, responsibility and mathematical prowess in Algebra 1 and Geometry. The level of presentation and discussions in class will be on a higher and more abstract level than Algebra 2. Topics included are functions and relations, systems of equations and inequalities, polynomials, complex numbers, sequences and series, exponents and logarithms, permutations, combinations, probability, and statistics.

Honors On-Ramps Math (2131) Grade: 11-12

Weight: Advanced
Semester: Both
Credit: 1 high school credit and 3 college credit hours
Concurrent enrollment in a college level curriculum
State Mandated Prerequisite: Credit for Algebra 1
Recommended Prerequisite: Credit for Honors Algebra I, Honors Geometry, and Honors Algebra 2
Fees may apply
In this course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Vale, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers.
Students will experience a high-quality curriculum designed by the faculty at The University of Texas at Austin. The pedagogy of the course, Inquiry-Based Learning, encourages students to take an active role in the construction of their learning. This learning will be accomplished by abstraction, generalization, problem-solving, and modeling. Students will receive high school credit for Algebra 1, and College Algebra credit with the University of Texas at Austin.

Pre-Calculus (2060) Grade: 11, 12

Weight: Regular
Semester: Both
Credit: 1
State Mandated Prerequisites: Geometry, and Algebra 2
Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

Honors Pre-Calculas (2160) Grade: 11, 12

Weight: Advanced
Semester: Both
Credit: 1
State Mandated Prerequisites: Geometry, and Algebra 2
Recommended Prerequisites: Honors Geometry, and Honors Algebra 2
The emphasis of this course is placed on theory, critical thinking skills, real world applications, and the use of technology as a problem-solving tool. First semester topics include: trigonometric functions, properties and applications of trigonometric and circular functions and their inverses, triangle problems, vectors, polar and parametric equations, complex numbers, and other selected enrichment topics. Second semester includes: mathematical systems, properties and applications of polynomial, rational, exponential and logarithmic functions, data interpretations/statistics, sequences and series, limits, an introduction to calculus concepts, and selected enrichment topics.

AP Calculus AB (2270) Grade: 11, 12

Weight: Advanced
Semester: Both
Credit: 1
State Mandated Prerequisite: Pre-Calculus
A college level curriculum
This course is designed to meet the needs of students planning majors in mathematics, science, or engineering in college. Completion of the course prepares the student to take college calculus, or to take the calculus AP exam for college placement. Students enrolled in this class need to be self-motivated and willing to work at a college level and pace. Limits of functions continuity, and derivatives and their applications are studied in detail. Both indefinite and definite integrals and their applications are explored. A**P EXAM: Students will have the opportunity to take the AP exam for college credit at the end of the school year. (Exam fees apply)**

Honors On-Ramps Statistics (2265R) Grade: 11, 12

Weight: Advanced
Semester: Both
Credit: 1, and 3 college credit hours
Concurrent enrollment in a college level curriculum
State Mandated Prerequisite: Credit for Algebra 1
Recommended Prerequisite: Credit for Algebra 2
Fees may apply
On-Ramps distance education courses are designed by The University of Texas at Austin (UT Austin) Faculty, to meet postsecondary standards of quality, depth, and complexity. The On-Ramps student is enrolled in both a high school course led by a high school teacher and a distance college course led by a college instructor of record, who is approved by UT Austin's academic department. Students have the opportunity to earn college credit and high school credit for this course. Students earn 2 separate grades; one for high school and one for college. Students have the option of accepting or declining the college grade. Fees apply. This course will hone relevant mathematical and critical thinking skills through scaffolded learning experiences and statistical methodologies. Students will learn the foundations of data science by engaging in hands-on analysis of real data, methods to extract key insights, and coding skills aligned to the expectations of higher education and today's workplace.

College Algebra 1414 (Dual Credit) (2260d) Grade: 11, 12

Weight: None
Semester: Fall
Credit: ½ & 4 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Course is facilitated on-line / distance learning.
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

College Stats 1342 (Dual Credit) (2262d) Grade: 11, 12

Weight: None
Semester: Spring
Credit: ½ & 3 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Course is facilitated on-line / distance learning
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

College Mathematics (Dual Credit) (2267) Grade: 11, 12

Weight: None
Semester: Spring
Credit: ½ & 3 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Course is facilitated on-line / distance learning
***Other College Mathematics courses that are major specific may be available **Note: Student must enroll in college (requires separate application form and tuition).** Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

College Preparatory Course Mathematics (2035) Grade: 12

Weight: Regular
Semester: Both
Credit: 1
Prerequisite: Need as determined by counselor / Administrator / TSI Score
This course may be embedded in another high school math course.
This course is recommended for students that have not met TSI college readiness standards.
In this college-preparatory course students will improve skills necessary to successfully complete an entry level college mathematics course. *

SCIENCE

Note: some Career and Technology courses will satisfy both science credit requirements and CTE Pathway requirements. Students who wish to take more than one science in a given year should see their counselor. Proper placement at the ninth grade is essential. Past performance should be a consideration when choosing Science courses. **Note: All students who do not pass the 8th grade STAAR science exam will be placed in IPC.** **EOC: Students will be required to take an EOC in Biology for graduation requirements.**

Biology (3010) Grade: 9

Weight: Regular
Semester: Both
Credit: 1
Prerequisite: None
EOC: Student will be required to take an EOC in Biology for graduation requirements. Biology is the study of organisms, their relationships to one another, and the environment. Students will study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living systems; homeostasis; ecosystems; and plants and the environment. A strong emphasis is placed on field and laboratory experiences.

Honors Biology (3110) Grade: 9

Weight: Advanced
Semester: Both
Credit: 1
Prerequisite: None
EOC: Student will be required to take an EOC in Biology for graduation requirements. Topics of study will be the same as Biology 3010. However, concepts and laboratory activities will be more in-depth. There will also be more writing involved and projects. **The rigor and work in the class will be greater than that of the Regular Biology class. This course is intended to prepare students for AP Biology.**

Honors On-Ramps Biology (3210R) Grade: 11, 12

Weight: Advanced
Semester: Both
Credit: 1 high school credit and 4 college credit hours
Concurrent enrollment in a college level curriculum
State Mandated Prerequisite: Biology and Chemistry
Recommended Prerequisite: Honors Biology, Honors Chemistry, and Algebra 2
Fees may apply
On-Ramps distance education courses are designed by The University of Texas at Austin (UT Austin) Faculty, to meet postsecondary standards of quality, depth, and complexity. The On-Ramps student is enrolled in both a high school course led by a high school teacher and a distance college course led by a college instructor of

record, who is approved by UT Austin's academic department. Students have the opportunity to earn college credit and high school credit for this course. Students earn 2 separate grades; one for high school and one for college. Students have the option of accepting or declining the college grade. Fees apply. This year-long course explores three big ideas of biology: the structure and function of biomolecules, the flow of energy through living systems via photosynthesis and cellular respiration, and how genetic information is expressed and transmitted both within and between cells.

Integrated Physics and Chemistry (IPC) (3020) Grade: 9-12

Weight: Regular
Semester: Both
Credit: 1
Prerequisite: None
IPC is a lab-oriented course that develops skills in measurement, laboratory techniques and procedures, and development of process skills. Concepts studied include atomic structure, chemical reactions, physical and chemical properties, and changes in matter, energy forces, work, magnetism, electricity, sound, and light. Issues discussed will include energy supply and demand, environmental concerns, and career opportunities.

Chemistry (3030) Grade: 10-12

Weight: Regular
Semester: Both
Credit: 1
State Mandated Prerequisite: 1 credit of High School science and Algebra 1
Recommended Prerequisite: Concurrent enrollment in or completion of a second year of High School Math.
Chemistry includes a descriptive study of the characteristics and mathematical relationships between matter and energy changes, atomic structure, chemical formulas and reactions, kinetic theory, gas laws, properties of solids, liquids and solutions, bonding, acids and bases, and redox reactions. Lab work supports concepts studied.

Honors Chemistry (3130) Grade: 10, 11, 12

***** This course is not available for the 2024-2025 school year**
Weight: Advanced
Semester: Both
Credit: 1
State Mandated Prerequisite: 1 credit of High School science and Algebra 1
Recommended Prerequisite: Concurrent enrollment in or completion of a second year of Math.
Note: May not be taken if credit has been earned in Chemistry 3030 Concepts, mathematics, and labs will be more in-depth than Chemistry 3030. Assignments are intended to prepare students for AP Chemistry.

Honors On-Ramps Chemistry I (3230A) Grade: 11, 12

Weight: Advanced
Semester: Both
Credit: 1 high school credit and 4 college credit hours
Concurrent enrollment in a college level curriculum
State Mandated Prerequisite: 1 credit of High School science and Algebra 1
Recommended Prerequisite: Honors Chemistry and Algebra 2
Fees may apply
On-Ramps distance education courses are designed by The University of Texas at Austin (UT Austin) Faculty, to meet postsecondary standards of quality, depth, and complexity. The On-Ramps student is enrolled in both a

high school course led by a high school teacher and a distance college course led by a college instructor of record, who is approved by UT Austin's academic department. Students have the opportunity to earn college credit and high school credit for this course. Students earn 2 separate grades; one for high school and one for college. Students have the option of accepting or declining the college grade. Fees apply. Chemistry includes a descriptive study of the characteristics and mathematical relationships between matter and energy changes, atomic structure, chemical formulas and reactions, kinetic theory, gas laws, properties of solids, liquids and solutions, bonding, acids and bases, and redox reactions. Lab work supports concepts studied.

Honors On-Ramps Chemistry II (3230B) Grade: 11, 12

Weight: Advanced
Semester: Both
Credit: 1 high school credit and 4 college credit hours
Concurrent enrollment in a college level curriculum
State Mandated Prerequisite: On-Ramps Chemistry I, or AP Chemistry
Recommended Prerequisite: Algebra 2
Fees may apply
On-Ramps distance education courses are designed by The University of Texas at Austin (UT Austin) Faculty, to meet postsecondary standards of quality, depth, and complexity. The On-Ramps student is enrolled in both a high school course led by a high school teacher and a distance college course led by a college instructor of record, who is approved by UT Austin's academic department. Students have the opportunity to earn college credit and high school credit for this course. Students earn 2 separate grades; one for high school and one for college. Students have the option of accepting or declining the college grade. Fees apply. The College Chemistry II course continues the development and application of concepts, theories, and laws underlying chemistry that were introduced in Principles of Chemistry I.

Physics (3040) Grade: 11, 12

Weight: Regular
Semester: Both
Credit: 1
State Recommended Prerequisite: Completion of or concurrent enrollment in Algebra 1
LHS Recommended Prerequisite: Completion of or concurrent enrollment in Algebra 2
Physics includes a descriptive presentation of sound and light propagation, electricity, and electrostatic and magnetic field phenomena, wave characteristics of sound and light and direct and alternating electrical currents. Emphasis is on the mathematical quantification, scientific reasoning, and statistical evaluation of data. Strong emphasis is placed on field and laboratory experiences.

Honors Physics (3140) Grade: 11, 12

Weight: Advanced
Semester: Both
Credit: 1
State Recommended Prerequisite: Completion of or concurrent enrollment in Algebra 1
LHS Recommended Prerequisite: Completion of or concurrent enrollment in Algebra 2
Note: May not be taken if credit has been earned in Physics 3040
Honors Physics includes a descriptive presentation of sound and light propagation, electricity, and electrostatic and magnetic field phenomena, wave characteristics of sound and light and direct and alternating electrical currents. Emphasis is on the mathematical quantification, scientific reasoning, and statistical evaluation of data.

A strong emphasis is placed on field and laboratory experiences. Assignments are intended to prepare students for AP Physics.

Astronomy (3065) Grade: 11,12

***** This course is not available for the 2024-2025 school year**

Weight: Regular
Credit: 1
Semester: Both

State Mandated Prerequisite: Algebra I and IPC or Chemistry

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

Anatomy and Physiology of Human Systems (3050) Grade: 11,12

Weight: Regular
Credit: 1
Semester: Both

State Mandated Prerequisite: Biology and Chemistry, IPC, or Physics

Recommended Prerequisite: A course form the Health Science Career Cluster

A&P satisfies level 3 and level 4 in the Health Science Pathways, and Level 3 in the Emergency Services Pathway. Please refer to the CTE section for details.

This course is the study of the anatomy and physiology of human systems. The student learns to compare anatomical structures to physiological functions and analyze the relationships of the human body systems. Students who desire a health-related career are encouraged to enroll.

Medical Microbiology (*Science Credit) () Grade: 11,12

***** This course is not available for the 2024-2025 school year**

Weight: Regular
Credit: 1
Semester: Both

State Mandated Prerequisite: Biology, Chemistry, and at least one credit form the Health Science career cluster.

Level 3 course in the Nursing Science, Emergency Services, and Therapeutic Healthcare pathways: Level 4 course in the Healthcare Diagnostics pathway

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students who desire a health-related career are encouraged to enroll.

Food Science (3080) Grade: 12

Weight: Regular
Semester: Spring
Credit: 1
State Mandated Prerequisite: Biology, Chemistry, and a level 2 or higher course in the Hospitality and Tourism pathway.
Recommended Prerequisite: Principles of Hospitality and Tourism.
This course satisfies level 4 in the Culinary Arts Pathway. Please refer to the CTE section for details.
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.

Honors Advanced Animal Science Dual Enrollment (3090) Grades 11, 12

Weight: Advanced
Semester: Both
Credit: 1 high school credit and 4 college credit hours
Concurrent enrollment in a college level curriculum
State Mandated Prerequisites: 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.
This course satisfies level 4 in the Animal Science Pathway. Please refer to the CTE section for details.
This course is taught concurrently with Animal Science at Tarleton State University. It 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. Scientific inquiry, science and social ethics and science models will also be discussed.

Advanced Plant & Soil Science (3091) (*Science Credit) Grades 11,12

***** This course is not available for the 2024-2025 school year**
Weight: Regular
Semester: Both
Credit: 1
Recommended prerequisite: Recommended prerequisites: Biology, Integrated Physics and Chemistry, Chemistry, or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.
This course satisfies level 4 in the Plant Science Pathway. Please refer to the CTE section for details.
In this course students will analyze soil science as it relates to food and fiber production. Students are expected to explain soil formation, evaluate the properties and nature of soils, recognize the importance of conservation of soil and agencies involved in conservation, recognize the application of soil mechanics to engineering and excavation operations, perform soil management practices such as tillage trials and sustainable soil management practices, and practice soil evaluations related to experiential activities such as land judging. Students will describe the relationship between resources within environmental systems. Students will summarize methods of land use and management, identify sources, use, quality, and conservation of water, explore the use and conservation of renewable and non-renewable resources, analyze and evaluate the economic significance and interdependence of components of the environment, and evaluate the impact of human activity and technology on soil fertility and productivity.

Forensic Science (3060) Grade: 11, 12

Weight: Regular
Semester: Both
Credit: 1
State Mandated Prerequisites: Biology and Chemistry.
Recommended prerequisite or co-requisite: any Law, Public Safety, Corrections, and Security Career Cluster course.
This course satisfies level 4 in the Law Enforcement Pathway. Please refer to the CTE section for details.
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.

Environmental Systems (3025) Grade: 11, 12

Weight: Regular
Semester: Both
Credit: 1
State Mandated Prerequisites: Biology
Recommended prerequisite: IPC, Chemistry or concurrent enrollment
In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

AP Environmental Science (3225) Grade: 11, 12

Weight: Advanced
Semester: Both
Credit: 1
State Mandated Prerequisites: Biology
Recommended prerequisite: Chemistry or concurrent enrollment
A college level curriculum
A more advanced study of the environment than Environmental Systems. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. A**P EXAM: Students will have the opportunity to take the AP exam for college credit at the end of the school year. (Exam fees apply)**

SOCIAL STUDIES & ECONOMICS

EOC: Students will be required to take an End of Course Exam in US History to meet graduation requirements.

World Geography (4010) Grade: 9-11

Weight: Regular
Semester: Both
Credit: 1
Prerequisite: None
In World Geography Studies, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major landforms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of the world population; relationships among people, places, and environments; and the concept of region. Students analyze how location affects economic activities in different economic systems. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions.

Honors World Geography (4110) Grade: 9-11

Weight: Advanced
Semester: Both
Credit: 1
Prerequisite: None
There is an increased depth and complexity as compared to World Geography. This course also consists of considerably more reading ad written responses. **S**tudents examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major landforms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of the world population; relationships among people, places, and environments; and the concept of region. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions.

World History (4020) Grade: 10,11

Weight: Regular
Semester: Both
Credit: 1
Prerequisite: None
World History Studies is a survey of the history of humankind. Due to the expanse of world history and the time limitations of the school year, the scope of this course should focus on "essential" concepts and skills that can be applied to various eras, events, and people within the standards in subsection (c) of this section. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students analyze the process by which constitutional governments evolved as well as the ideas from historic documents that influenced that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economies, and they use the process of historical inquiry to research, interpret, and use multiple sources of evidence.

Honors World History (4120) Grade: 10,11

Weight: Advanced
Semester: Both
Credit: 1
Prerequisite: None
Honors World History develops greater understanding of the global process and the interaction of human contact with different societies. Students will be required to complete more work outside the classroom than is required in the regular course. This course also consists of considerably more reading ad written responses. World History Studies is a survey of the history of humankind. Due to the expanse of world history and the time limitations of the school year, the scope of this course should focus on "essential" concepts and skills that can be applied to various eras, events, and people within the standards in subsection (c) of this section. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students analyze the process by which constitutional governments evolved as well as the ideas from historic documents that influenced that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economies, and they use the process of historical inquiry to research, interpret, and use multiple sources of evidence.

United States History since Reconstruction (4030) Grade: 11

Weight: Regular
Semester: Both
Credit: 1
Prerequisite: None
EOC: Students will be required to take an End of Course Exam in US History to meet graduation requirements.
In United States History Studies Since 1877, which is the second part of a two-year study that begins in Grade 8, students study the history of the United States from 1877 to the present. The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of geographic factors on major events and eras and analyze their causes and effects. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students analyze the impact of technological innovations on American life. Students use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.

Honors On-Ramps United States History (4230R) Grade 11

Weight: Advanced
Semester: Both
Credit: 1 high school credit and 6 college credit hours
Concurrent enrollment in a college level curriculum
State Mandated Prerequisite: Completion of or concurrent enrollment in English II
Fees may apply
On-Ramps distance education courses are designed by The University of Texas at Austin (UT Austin) Faculty, to meet postsecondary standards of quality, depth, and complexity. The On-Ramps student is enrolled in both a high school course led by a high school teacher and a distance college course led by a college instructor of record, who is approved by UT Austin's academic department. Students have the opportunity to earn college credit and high school credit for this course. Students earn 2 separate grades; one for high school and one for college. Students have the option of accepting or declining the college grade. Fees apply. United States History 1492 – 1865 and United States History Since 1865. In these two sequential first-year college courses, students study significant themes to uncover the range and depth of the American story. Using lectures, primary and secondary readings, videos, maps, and other graphics, students work both independently and collaboratively to develop the critical thinking skills to evaluate the historical record.

College United States History 1301 (Dual Credit) (4230d) Grade: 11

Weight: None
Semester: Fall
Credit: ½ & 3 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

College United States History 1302 (Dual Credit) (4231d) Grade: 11

Weight: None
Semester: Fall
Credit: ½ & 3 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

Government (4040) Grade: 12

Weight: Regular
Semester: Either Fall or Spring
Credit: ½ (.05)
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. 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.

AP US Government & Politics (4240) Grade: 12

Weight: Advanced
Semester: Fall
Credit: ½ (.05)
Note: This course may not be taken for credit if credit has already been earned for Government.
A college level curriculum
A college level study of US Government & Politics. Content requirements. Content requirements for Advanced Placement (AP) U.S. Government and Politics are prescribed in the College Board Publication Advanced Placement Course in U.S. Government and Politics, published by The College Board and in §113.44 of this title A**P EXAM: Students will have the opportunity to take the AP exam for college credit at the end of the school year. (Exam fees apply)**

College Government (4240d) (Dual Credit) Grade: 10-12

Weight: None
Semester: Fall or Spring
Credit: ½ & 3 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Course is facilitated on-line / distance learning
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

Personal Financial Literacy and Economics (4051) Grade: 12

Weight: Regular
Semester: Fall or Spring
Credit: ½ (.05)
Prerequisite: None
Personal Financial Literacy and Economics builds on and extends the economic content and concepts studied in Kindergarten-Grade 12 social studies in Texas. The course provides a foundation in both microeconomics and macroeconomics. Students will survey the impact of demand, supply, various industry structures, and government policies on the market for goods, services, and wages for workers. Macroeconomic study involves economic systems with an emphasis on free enterprise market systems, goals of full employment, price stability, and growth while examining problems such as unemployment and inflation and the policies enacted to address them. The course also builds on and extends the personal finance content and concepts studied in Kindergarten-Grade 8 in mathematics in Texas. It is an integrative course that applies the same economic way of thinking developed to making choices about how to allocate scarce resources in an economy to how to make them at the personal level. The course requires that students demonstrate critical thinking by exploring how to invest in themselves with education and skill development, earn income, and budget for spending, saving, investing, and protecting. Students will examine their individual responsibility for managing their personal finances and understand the impact on standard of living and long-term financial well-being. Further, students will connect how their financial decision making impacts the greater economy.

Economics with emphasis on the free enterprise system (4050) Grade: 12

***** This course is not available for the 2024-2025 school year**
Weight: Regular
Semester: Fall or Spring
Credit: ½ (.05)
Prerequisite: None
Economics with Emphasis on the Free Enterprise System and Its Benefits is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also

incorporates instruction in personal financial literacy. Students apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issue.

AP Macro Economics (4250) Grade: 12

Weight: Advanced
Semester: Spring
Credit: ½ (.05)
Note: This course may not be taken for credit if credit has already been earned for Economics.
A college level curriculum
A college level study of the economic system. Content requirements for Advanced Placement (AP) U.S. Government and Politics are prescribed in the College Board Publication Advanced Placement Course in U.S. Government and Politics, published by The College Board and in §113.44 of this title A**P EXAM: Students will have the opportunity to take the AP exam for college credit at the end of the school year. (Exam fees apply)**

College Economics (4250d) (Dual Credit) Grade: 12

Weight: None
Semester: Spring
Credit: ½ & 3 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Course is facilitated on-line / distance learning
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

Personal Financial Literacy (4070) Grade: 10-12

Weight: Regular
Semester: Either Fall or Spring
Credit: ½ (.05)
Prerequisite: None
This course counts as a social studies elective The course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. Students evaluate the necessity of the purchase, the quality or value of the purchase or investment compared to other alternatives, and the total cost of acquisition, particularly in the context of financing options. *

Psychology 2301 (Dual Credit) (4261) Grades: 10-12

Weight: None
Semester: Spring
Credit: ½ & 3 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Course is facilitated on-line / distance learning
A college level curriculum This course counts as a social studies elective class **Note:** Student must enroll with CTC (requires separate application form and tuition) Must earn "C" or higher for credit. For application see CTC Coordinator on LHS campus or call (512) 564-2328

LANGUAGES OTHER THAN ENGLISH (LOTE)

Successful completion of two credits of LOTE in the same language are required for Graduation. LOTE requirements for Students receiving Special Education or section 504 services may be determined by their respective educational planning committee.

Spanish 1 (5910) Grade: 9,10

Weight: Regular
Semester: Both
Credit: 1
Introduces the four basic skills (listening, speaking, reading and writing), develops appropriate grammatical concepts and acquaints students with the culture and civilization of the target language.

Honors Spanish 1 (5910p) Grade: 9,10

Weight: Advanced
Semester: Both
Credit: 1
Introduces the four basic skills (listening, speaking, reading and writing), develops appropriate grammatical concepts and acquaints students with the culture and civilization of the target language. This course moves at a more rapid pace, and is of a greater scope than Spanish I. Students should expect to use more speaking and writing skills in this course.

Spanish 2 (5920) Grade: 9-12

Weight: Regular
Semester: Both
Credit: 1
State Mandated Prerequisite: Spanish I
Continues skill development in the four basic skill areas, reviews and refines grammatical concepts and increases student knowledge of the target language's culture and civilization.

Honors Spanish 2 (5920p) Grade: 10-12

Weight: Advanced
Semester: Both
Credit: 1
State Mandated Prerequisite: Spanish I
Honors Spanish is offered for students who have excelled in Spanish I. This course is a more intensive study in Language – Honors courses have more homework and independent study requirements.

Spanish 3 - 1411 (Beginning Spanish) Dual Credit (5950d) Grade: 11, 12

Weight: None
Semester: Fall
Credit: ½ & 4 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Course is facilitated on-line / distance learning
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

Spanish 3 - 1412 (Beginning Spanish) Dual Credit (5960d) Grade: 11, 12

Weight: None
Semester: Fall
Credit: ½ & 4 College Credit Hours
Prerequisite: Completion of Spanish 1411
A college level curriculum
Course is facilitated on-line / distance learning
Note: Student must enroll in college (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

PHYSICAL EDUCATION

One credit of Physical Education is required for graduation. **IMPORTANT:** Students may not be simultaneously enrolled in two PE Equivalent courses on the *same* school day during *regular* hours. (2 Athletics, Athletics & PE, etc.)

Lifetime Fitness (7080) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Lifetime Fitness represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness.

Lifetime Activities (7020) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
This course is designed to give the student a cardiac workout. The course utilizes music and basic dance steps for exercise.

Outdoor Pursuits (7130b) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Students enrolled in outdoor pursuits are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote a respect for the environment and that can be enjoyed for a lifetime.

Partners in PE (7140) Grade: 11-12

Weight: None
Semester: Fall and/or Spring – students may elect to take this course both semesters
Credit: ½ - 1 (may be taken both semesters)
Prerequisite: Application and approval
Partners in PE is a course designed to facilitate mentorship and coaching between general education students and students with disabilities competing in Special Olympics. Students interested in participating in this program should contact their counselor for more information and an application.

P.E. SUBSTITUTIONS

ATHLETICS

Athletics allows the use of selected activities to substitute for the physical education requirement by the state. ***Students who drop Athletics before the end of the semester will be placed in PE.***

Sports offered at Lampasas High School:

Football	**Volleyball**	**Softball**	**Wrestling**
Basketball	**Track**	**Tennis**	
Soccer	**Cross Country**	**Golf**	
Baseball	**Power Lifting**	**Athletic Trainer (Must have approval from Mrs. Brister**	

To participate in athletics students are required to have a current medical physical exam (Physical). Forms may be obtained from the athletics office. Some sports require try outs to make a team. Students who have not previously participated in a sport or athletics need to contact the LHS athletics office and speak with a coach for participation requirements.

Girls Athletics (9th grade - 7161b) (10th 7162b) (11th 7163b) (12th 7164b)

Weight: None
Semester: Both
Credit: 1

Boys Athletics (9th grade- 7181b) (10th 7182b) (11th 7183b) (12th 7184b)

Weight: None
Semester: Both
Credit: 1

OTHER P.E. SUBSTITUTES

Cheerleading (7400) Grade: 9-12

Prerequisite: Auditions/tryouts
Weight: None
Semester: Fall
Credit: ½ (.05) **Note: The class meets before school during the Fall (zero hour) so you still need 8 regular classes**

Flames (5550) Grade: 9-12

Prerequisite: Auditions/tryouts
Weight: None
Semester: Both
Credit: 1

Color Guard (5600, 5602 - 5604) Grade: 9-12

Prerequisite: Auditions/tryouts
Weight: None
Semester: Both
Credit: 1
Prerequisite: Auditions/tryouts

Marching Band A (5610 - 5640) Grade: 9-12

(SEE FINE ARTS FOR DESCRIPTION)
Weight: None
Semester: Fall
Credit: ½ (.05)

Marching Band B (5611 - 5641) Grade: 9-12

(SEE FINE ARTS FOR DESCRIPTION)
Weight: None
Semester: Fall
Credit: ½ (.05)

OTHER STATE APPROVED ELECTIVES

Health (7010) Grade: 9-12

Weight: None
Semester: Both
Credit: .5
Prerequisite: None
In health education, students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. To achieve that goal, students will understand the following: students should first seek guidance in the area of health from their parents; personal behaviors can increase or reduce health risks throughout the lifespan; health is influenced by a variety of factors; students can recognize and utilize health information and products; and personal/interpersonal skills are needed to promote individual, family, and community health.*

Computer Science I grade: 9-12

Weight: Regular
Semester: Both
Credit: 1
State Mandated Prerequisite: Algebra 1
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. *

Computer Science II grade: 10-12

Weight: Regular
Semester: Both
Credit: 1
State Mandated Prerequisite: Algebra I and either Computer Science I or Fundamentals of Computer Science
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. *

Robotics Programming and Design (6640) grade: 10-12

Weight: None

Semester: Both

Credit: 1

Robotics Programming and Design will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful robotic programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve problems in designing and programming robots. Through data analysis, students will identify task requirements, plan search strategies, and use robotic concepts to access, analyze, and evaluate information needed to solve problems. By using robotic 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 robotics through the study of physics, robotics, automation, and engineering design concepts. *

FINE ARTS

At least one credit of Fine Art is required for Graduation. Note: some Career and Technology courses will satisfy both Fine Art credit requirements and CTE Pathway requirements.

Art I (5110) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: none
Art I emphasizes design, basic drawing and painting. It surveys the general areas of sculpture, printmaking graphics, jewelry, crafts, and art history and appreciation. Lessons center on applying art principles and skills to each student's original work. An art museum field trip is included one semester.

Art 2 Drawing (5120) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Art 1
This course is an intermediated level study using varying media with a focus on drawing. Lessons center on applying art principles and skills to each student's original work.

Art 2 Painting (5125) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Art 1
This course is an intermediated level study using varying media with a focus on painting. Lessons center on applying art principles and skills to each student's original work. Lessons center on applying art principles and skills to each student's original work.

Art 2 Ceramics (5129) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Art 1
This course is an advanced level study including an in-depth concentration in selected intermediate to advanced level media using sculpture and ceramics. Lessons center on applying art principles and skills to each student's original work.

Art 3 Ceramics (5146) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: 2 years of Art
*Supply fee required – fees range from $15 to $20
This course is a continuation of advanced Art study with a focus on individual media preference. Lessons individualized by the instructor for each student.

Art 4 Ceramics (5156) Grade: 11-12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: 3 years of Art
*Supply fee required – fees range from $15 to $20
This course is a continuation of advanced Art study with a focus on individual media preference. Lessons individualized by the instructor for each student.

Floral Design (5700) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
This is a level 3 course in the Plant Science Pathway. Please refer to the CTE section for details.
Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

Advanced Floral Design (5701) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Floral Design
This is a level 4 course in the Plant Science Pathway. Please refer to the CTE section for details.
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.

Digital Art and Animation (6585) grade: 9-12

Weight: None
Semester: Both
Credit: 1

Prerequisite: None

This is a level 3 course in the Design & Multimedia Arts Pathway. Please refer to the CET section for details.

Through the strands of creativity and innovation, communication and collaboration, research and information fluency, critical thinking, research and technology operations and concepts; students will develop college readiness skills applied to technology. Students will communicate information in different formats in a variety of technologies. *

Dance 1 (5510) Grade: 9,10,11,12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None

Dance students develop perceptual thinking and movement abilities in daily life, promoting an understanding of themselves and others. Students develop movement principles and technical skills and explore choreographic and performance qualities. Students develop self-discipline and healthy bodies that move expressively, efficiently, and safely through space and time with a sensitive kinesthetic awareness. Students recognize dance as a vehicle for understanding historical and cultural relevance, increasing an awareness of heritage and traditions of their own and others, and enabling them to participate in a diverse society. Evaluating and analyzing dance allows students to strengthen decision-making skills, develop critical and creative thinking, and develop artistic and creative processes. Students continue to explore technology and its application to dance and movement, enabling them to make informed decisions about dance.

Dance 2 (5520) Grade 10-12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Dance 1

Dance 2, 3, and 4 offer the student a more in-depth study of the elements of Dance 1 plus dance History and choreography.

Dance 3 (5530) Grade: 11,12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Dance 2

Dance 2, 3, and 4 offer the student a more in-depth study of the elements of Dance 1 plus dance History and choreography.

Dance 4 (5540) Grade: 12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Dance 3

Dance 2, 3, and 4 offer the student a more in-depth study of the elements of Dance 1 plus dance History and choreography.

Flames 1-4 (5550) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Note: Spring Auditions or try-outs required
Flames satisfies the fine arts requirement and also substitutes as credit for physical education.

Band A- 1-4 Varsity Band (5610b – 5640b) Grade: 9-12

Weight: None
Semester: Fall
Credit: 1
Prerequisite: Audition or Director Approval
Note: Fall Semester marching band substitutes for ½ (.05) credit of P.E. Varsity Band - Introduction and continued development of wind/percussion techniques and study of band literature. **Attendance at performances and rehearsals outside school hours is required. Fall--marching band Spring concert & contest**

Band B- 1-4 (5611b – 5641b) Grade: 9-12

Weight: None
Semester: Fall
Credit: 1
Note: Fall Semester marching band substitutes for ½ (.05) credit of P.E. Introduction and continued development of wind/percussion techniques and study of band literature. **Attendance at performances and rehearsals outside school hours is required. Fall--marching band Spring concert & contest**

Jazz Band 1-4 (5650 - 5680) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Audition for placement & concurrent enrollment in band
The study and performance of music from jazz areas including Dixieland, rhythm and blues, swing, be-bop, and jazz-rock. The Jazz Band will perform at community functions and concerts. Some festival performances will take place. Rhythm instruments such as piano, guitar, and bass guitar are encouraged to participate, but must be able to read music.

Music Studies (5695) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
The student describes and analyzes music and musical sounds. The student develops organizational skills, engages in problem solving, and explores the properties and capabilities of various musical idioms. Students explore elements of music such as rhythm, meter, melody, harmony, key, expression markings, texture, form, dynamics, and timbre through literature.

AP Music Theory (5699) Grade: 10-12

Weight: Advanced
Semester: Both
Credit: 1
A college level Music curriculum
There are no mandated prerequisite courses for AP Music Theory, however prospective students should be able to read and write musical notation and have basic performance skills with voice or an instrument.
The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory and aural skills coursework. Students learn to recognize, understand, describe, and produce the basic elements and processes of performed and notated music. Course content extends from the fundamentals of pitch, rhythm, timbre, and expression to concepts of harmonic function, phrase relationships, and tonicization. Students study these concepts in heard and notated music, with emphasis on identification and analysis of musical features, relationships, and procedures in full musical contexts. Repertoire for analysis on the AP Music Theory Exam ranges from European Baroque pieces to folk and popular music from across the globe. Students develop musicianship skills through melodic and harmonic dictation, sight singing, and error detection exercises. Writing exercises further emphasize the foundational harmonic and voice leading procedures of Western art music.

Band Color Guard 1-4 (5600 - 5604) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Spring Audition/Instructor Approval
Membership in the color guard is through audition and is open to all students. The color guard performs with the band at pep-rallies, varsity football games, parades, and competitions. Rehearsals begin during the summer and continue through the fall semester. In the spring, the color guard performs at various competitions. Students who participate in the color guard during marching season are expected to participate in color guard in the spring.

Theatre Arts 1 (5810) Grade: 9-12

*****This course is not available for the 2024-2025 school year**
Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Students will study the history of theatre, basic set design and make-up techniques, and the elementary concepts and skills of acting, expressive use of body and voice, and stage movement.

Theatre Arts 2 (5820) Grade: 10-12

*****This course is not available for the 2024-2025 school year**
Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Theatre Arts 1
The course will continue to build upon concepts and skills learned in Theatre I by putting together various classroom productions. Through diverse forms of storytelling and production, students will exercise and develop

creativity, intellectual curiosity, critical thinking, problem solving, and collaborative skills. Participation and evaluation in a variety of theatrical experiences will afford students opportunities to develop an understanding of self and their role in the world.

Theatre Arts 3 (5830) Grade: 11,12

*****This course is not available for the 2024-2025 school year**

Weight: None

Semester: Both

Credit: 1

State Mandated Prerequisite: Theatre Arts 2

The course will continue to build upon concepts and skills learned in Theatre 2 by putting together various classroom productions. Students communicate in a dramatic form, engage in artistic thinking, build positive self-concepts, relate interpersonally, and integrate knowledge with other content areas in a relevant manner. Through the historical and cultural relevance strand, students increase their understanding of heritage and traditions in theatre and the diversity of world cultures as expressed in theatre. Through the critical evaluation and response strand, students engage in inquiry and dialogue, accept constructive criticism, revise personal views to promote creative and critical thinking, and develop the ability to appreciate and evaluate live theatre.

Theatre Arts 4 (5840) Grade: 12

*****This course is not available for the 2024-2025 school year**

Weight: None

Semester: Both

Credit: 1

State Mandated Prerequisite: Theatre Arts 3

The course will continue to build upon concepts and skills learned in Theatre 3 by putting together various classroom productions. Through diverse forms of storytelling and production, students will exercise and develop creativity, intellectual curiosity, critical thinking, problem solving, and collaborative skills. Participation and evaluation in a variety of theatrical experiences will afford students opportunities to develop an understanding of self and their role in the world.

Theatre Production (1,2,3,4) —One Act (5850- 5854) Grade: 9-12

Weight: None

Semester: Both

Credit: 1

Prerequisite: Audition

Will study advanced acting, directing, and play production as well as costuming, and construction of props and sets. This course facilitates competition in UIL one act play. Students must maintain UIL Eligibility. **NOTE: After school rehearsals required**

Musical Theatre Production (5841) Grade 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Audition
Student in Musical Theatre Production will study advanced acting with a focus on vocal performance and choreography. Additionally, students will study, directing, and play production as well as costuming, and construction of props and sets. This course facilitates competition in UIL. Students must maintain UIL Eligibility.
NOTE: After school rehearsals required

Technical Theatre 1-4 (5855-5858) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Director Approval
Technical Theatre class will introduce students to the areas of stagecraft and theatrical production. You will climb ladders, lift things, build (no power tools), paint, work online, research, work with makeup, and handle very expensive equipment in this class. The theatre elements to which you will be introduced will include, but are not limited to: stage elements, stage properties, crew assignments, theatre appreciation, costumes, makeup, sound engineering, lights, light design, box office, ticket sales stage management, scene design, and publicity

SPEECH

Speech 1315 (Dual Credit) (5350) Grade: 11-12

Weight: None
Semester: Spring
Credit: ½ & 3 College Credit Hours
Prerequisite: Must meet college readiness standards
A college level curriculum
Course is facilitated on-line / distance learning
Note: Student must meet college readiness standards and enroll in college. (requires separate application form and tuition). Students must also purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.

Public Speaking, I (5320) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Students will learn the fundamentals of Public Speaking and Debate which includes debate theory and presentations of various speaking forums. Students interested in pursuing UIL competition through Speech and/or Debate will learn the foundations of Oral Interpretation, various speech formats, and Debate techniques.

Public Speaking 2 (5330) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Public Speaking 1
A continuation from PS I - The course emphasizes contest speaking and UIL participation.

Public Speaking 3 (5335) Grade: 11,12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Public Speaking 2
A continuation from PS 2 - The course emphasizes contest speaking and UIL participation.

Independent Studies in Public Speaking (5340) Grade: 12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Public Speaking 3

JOURNALISM

Journalism (1410) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Journal is an introductory course in journalism. Students learn interviewing skills and write news and entertainment stories, editorials, photo captions and headlines. Also included is a history of journalism including the freedom and responsibilities of the press, an overview of how to create a yearbook and newspaper, principles of advertising, and fact-gathering and editing skills.

Advanced Journalism Newspaper (1450) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Journalism and / or instructor approval
Students enrolled in Advanced Journalism: Newspaper I, II, III communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.
Advanced Journalism –Newspaper classes are involved with the production of *The Badger* newspaper.

Advanced Journalism-Newspaper 2 (1460) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Newspaper and / or instructor approval
This course is a continuation of Newspaper 2.
Advanced Journalism –Newspaper classes are involved with the production of *The Badger* newspaper.

Advanced Journalism--Newspaper 3 (1470) Grade: 11, 12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Newspaper 2 and / or instructor approval
Advanced Journalism –Newspaper classes are involved with the production of *The Badger* newspaper.

Advanced Journalism—Yearbook (1420) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Journalism and / or instructor approval
High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Students will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.
Advanced Journalism-Yearbook classes are involved with the production and selling of the yearbook.

Advanced Journalism--Yearbook 2 (1425) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Yearbook and / or instructor approval
This course is a continuation of Yearbook.
Advanced Journalism-Yearbook classes are involved with the production and selling of the yearbook.

Advanced Journalism-Yearbook 3 (1430) Grade: 11, 12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Yearbook 2 and / or instructor approval
This course is a continuation of Yearbook 2
Advanced Journalism-Yearbook classes are involved with the production and selling of the yearbook.

Independent Studies in Journalism-Yearbook (1440) Grade: 11, 12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Yearbook 3 or Newspaper 3

Independent Studies in Journalism- Newspaper (1475) Grade: 11, 12

Weight: None
Semester: Both
Credit: 1
Prerequisite: Yearbook 3 or Newspaper 3

CAREER AND TECHNICAL EDUCATION

All Career and Technical Education courses are State Approved Electives. CTE courses are grouped by career cluster and pathway. Students are encouraged to select a pathway that aligns with their post-secondary goals. Completing a CTE pathway assists students in gaining skills necessary for post-secondary success. Students have the opportunity to earn industry recognized certifications in Level 3 and Level 4 courses.

Career Preparation Cluster

Career Preparation 1 & 2 (8495 & 8497) Grade: 11-12

Weight: None
Semester: Both
Credit: 2
Prerequisite: At least 16 years of age and teacher approval
Level 4 course for the following pathways: Teaching, Welding, Family & Community Service, Culinary Arts, Marketing & Sales, Accounting & Financial Service, and Media Design.
Student is required to fill out an application and must maintain a job throughout the entire school year. This course requires 10 hours of work per week. Students taking this course are eligible for one On Job period during the school day. Career Preparation provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

Career Preparation Extended 1& 2 (8496 & 8498) Grade: 11-12

Weight: None
Semester: Both
Credit: 3
Prerequisite: At least 16 years of age and teacher approval
Level 4 course for the following pathways: Teaching, Welding, Family & Community Service, Culinary Arts, Marketing & Sales, Accounting & Financial Service, and Media Design.
Student is required to fill out an application and must maintain a job throughout the entire school year. This course requires 15 hours of work per week. Students taking this course are eligible for two On Job periods during the school day. Career Preparation provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

On Job-Career (8495b)

Students MUST be in the Career Preparation class in order to be eligible for On Job periods.
Student may have up to two On Job classes providing it will fit into the student's schedule. Required courses must be taken before a student may have On Job periods. Student may request On Job periods, but the counselor will review the student's transcript and then make the decision as to whether the student is eligible for On Job periods. On Job periods may not be taken in the middle of the school day.

Agriculture, Food, and Natural Resources Course Cluster

Agriculture Technology and Mechanical Systems pathway: Principals of Ag., Ag. Mechanics & Metal Technology, Ag. Structures Design & Fabrication, Ag. Equipment Design & Fabrication, Practicum
Plant Science pathway: Principals of Ag., Greenhouse, Floral Design, Horticulture, Advanced Floral Design, Advanced Plant & Soil Science, Practicum
Animal Science Pathway: Principals of Ag., Small Animal Management, Equine Science, Livestock Production, Advanced Animal Science, Veterinary Medical Applications, Practicum
Environmental and Natural Resource pathway: Principals of Ag., Wildlife, Range Ecology Management, Practicum

Principles of Agriculture, Food, and Natural Resources (8011) Grade: 9, 10

Weight: None
Semester: Both
Credit: 1
Prerequisite: None, recommended for 9th grade.
Level 1 course for all agriculture pathways
A basic course that allows students to develop skills related to careers in agriculture, food, and natural resources. Units include leadership development, Ag. Mechanization, global agriculture, and Animal science.

Practicum in Agriculture, Food, and Natural Resources () Grade: 11,12

Weight: None
Semester: Both
Credit: 1
LHS Prerequisite: TBD by pathway
Level 4 course for all agriculture pathways
This course is recommended for students in Grades 11 and 12. 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. Recommended prerequisite: a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster. Students shall be awarded two credits for successful completion of this course. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills.

Floral Design (5700) (* Fine Art Credit) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Recommended Prerequisite: Principals of Ag. Food and Natural Resources
Level 3 course for Plant Science Pathway
Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

Advanced Floral Design (5701) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Floral Design
Level 4 course for the Plant Science Pathway
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.

Greenhouse Operation and Production (8166) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Recommended Prerequisite: Principals of Ag. Food and Natural Resources
Level 2 course for the Plant Science Pathway
Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Horticulture Science (8165) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Recommended Prerequisite: Principals of Ag. Food and Natural Resources

Level 3 course for the Plant Science Pathway

Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture 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 in a variety of settings.

Advanced Plant & Soil Science (3091) (*Science Credit) Grades 11,12

***** This course is not available for the 2024-2025 school year**

Weight: Regular
Semester: Both
Credit: 1

Recommended prerequisites: Biology, Integrated Physics and Chemistry, Chemistry, or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.

This course satisfies level 4 in the Plant Science Pathway.

In this course students will analyze soil science as it relates to food and fiber production. Students are expected to explain soil formation, evaluate the properties and nature of soils, recognize the importance of conservation of soil and agencies involved in conservation, recognize the application of soil mechanics to engineering and excavation operations, perform soil management practices such as tillage trials and sustainable soil management practices, and practice soil evaluations related to experiential activities such as land judging. Students will describe the relationship between resources within environmental systems. Students will summarize methods of land use and management, identify sources, use, quality, and conservation of water, explore the use and conservation of renewable and non-renewable resources, analyze and evaluate the economic significance and interdependence of components of the environment, and evaluate the impact of human activity and technology on soil fertility and productivity.

Wildlife, Fisheries, & Ecology Management (8145) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None

Recommended Prerequisite: Principals of Ag. Food and Natural Resources

Level 2 course in the Environmental Resource Pathwaycurrently not a pathway at LHS**

This course examines the management of game and nongame wildlife species, fish, and aqua crops and their ecological needs as it relates to agricultural practices. Opportunities for hunter safety education certification are available through the class.

Range Ecology and Management (8147) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None

Recommended Prerequisite: Principals of Ag. Food and Natural Resources

Level 3 course in the Environmental Resource Pathwaycurrently not a pathway at LHS**

Range Ecology and Management is designed to develop students' understanding of rangeland ecosystems and sustainable forage production. To prepare for careers in environmental and natural resource systems, students

must attain academic skills and knowledge, acquire technical knowledge and skills related to environmental and natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Livestock Production (8110) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Recommended Prerequisite: Principals of Ag. Food and Natural Resources
Level 3 course in the Animal Science Pathway
This course prepares students for careers in field of Animal Science and management. Animal species to be addressed include but are not limited to beef, dairy, swine, sheep, and poultry.

Small Animal Management (8155) Grade: 9-12

Weight: None
Semester: Fall
Credit: ½ (.05)
Prerequisite: None
Recommended Prerequisite: Principals of Ag. Food and Natural Resources
Level 2 course in the Animal Science Pathway
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.

Equine Science (8160b) Grade: 9-12

Weight: None
Semester: Spring
Credit: ½ (.05)
Prerequisite: None
Recommended Prerequisite: Principals of Ag. Food and Natural Resources
Level 2 course for the Animal Science Pathway
This course is designed to prepare students for careers in Animal Science. Animals that may be included in this course include, but are not limited to horses, donkeys, and mules.

Veterinary Medical Applications (8179) Grade: 11,12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Small Animal Management, Equine Science, or Livestock Production.
Recommended Prerequisite: Livestock Production
Level 4 course in the Animal Science Pathway
Veterinary Medical Applications covers topics relating to veterinary practices, including

practices for large and small animal species. Students will have the opportunity to work toward a certification as a Veterinary Technician in this course.

Veterinary Medical Applications / Lab & Field Experience (8180) Grade: 11,12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Small Animal Management, Equine Science, or Livestock Production.
LHS Prerequisite: Veterinary Medical Applications I credit course (8179)
Level 4 course in the Animal Science Pathway
Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species. Students will have the opportunity to work toward a certification as a Veterinary Technician in this course.

Advanced Animal Science Dual Enrollment (3090) (*Science Credit) Grades 11, 12

Weight: Advanced
Semester: Both
Credit: 1 high school credit and 4 college credit hours
Concurrent enrollment in a college level curriculum
State Mandated Prerequisites: 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 and Livestock Production.
This course satisfies level 4 in the Animal Science Pathway. Please refer to the CTE section for details.
This course is taught concurrently with Animal Science at Tarleton State University. It 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. Scientific inquiry, science and social ethics and science models will also be discussed.

Agricultural Mechanics and Metal Technologies (8230) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Recommended Prerequisite: Principles of AFNR or teacher approval.
Level 2 course in the Agriculture Technology and Mechanical Systems pathway
This course is designed to develop an understanding of Ag mechanics as it relates to safety and skills in welding, metal working techniques, tool operation, electrical wiring, plumbing, carpentry, fencing, and concrete. For safety and liability considerations, course enrollment may be limited to 15 students.

Agricultural Structural Design and Fabrication (8120) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Recommended Prerequisite: Agricultural Mechanics or teacher recommendation.
Level 3 course in the Agriculture Technology and Mechanical Systems pathway

This course is designed to provide career experiences in mechanized agriculture and systems related to agricultural facilities design and fabrication. For safety and liability considerations, course enrollment may be limited to 15 students.

Agricultural Equipment Design and Fabrication (8245) grades 11-12

Weight: None
Semester: Both
Credit: 1
Recommended Prerequisite: Agricultural Mechanics or teacher approval.
Level 4 course in the Agriculture Technology and Mechanical Systems pathway.
This course is designed to provide career experiences in mechanized agriculture and systems related to agricultural facilities design and fabrication. For safety and liability considerations, course enrollment may be limited to 15 students.

Architecture and Construction / Manufacturing Course Clusters

Welding pathway: Introduction to Welding, Welding 1, Welding 2, Practicum in Welding, Career Preparation, Practicum
Carpentry pathway: Principals of Construction, Principals of Architecture, Construction Technology 1, Construction Technology 2, Practicum in Construction, Career Preparation

Principles of Construction (8410) Grade: 9,10

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Level 1 course in the Carpentry pathway
Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, course enrollment may be limited to 15 students.

Construction Technology I (8415) Grade: 9-12

Weight: None
Semester: Both
Credit: 2
LHS Prerequisite: Principles of Construction or teacher approval
Level 2 course in the Carpentry pathway
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, course enrollment may be limited to 15 students

Construction Technology 2 (8416) Grade: 9-12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Construction Technology 1
Level 3 course in the Carpentry pathway
This is a continuation of Construction Technology 1. Students will build on skills form the previous course. 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, course enrollment may be limited to 15 students.

Practicum in Construction (8417) Grade: 11-12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Construction Technology 2
Level 4 course in the Carpentry pathway
In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class. 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. For safety and liability considerations, course enrollment may be limited to 15 students.

Intro. to Welding (8251) Grade: 9, 10

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Level 1 course in the Welding pathway
Introduction to Welding will introduce welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

Welding I (8252) Grade: 10-12

Weight: None
Semester: Both
Credit: 2
LHS Prerequisite: Introduction to Welding
Level 2 course in the Welding pathway
Welding I provide the knowledge, skills, and technologies required for employment in metal technology systems. Students will develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Welding 2 (8253) Grade: 10-12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Welding I
Level 3 course in the Welding Pathway
This course is a more in-depth study of welding. Students will continue to gain experience and will have the opportunity to earn industry recognized welding certifications. This class supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Practicum in Welding (8254) Grade: 11-12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Welding 2
Level 4 course in the Welding Pathway
This course is a more in-depth study of welding. General requirements. This course is recommended for students in Grade 12. 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 Manufacturing Career Cluster. Students shall be awarded two credits for successful completion of this course. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills.

Arts, A/V Technology, and Communications Course Cluster

Digital Communications pathway: Principals of Arts & AV, Professional Communications, Audio/Video Production, Audio/Video Production2, Practicum in Audio/Video Production
Design & Multimedia Arts pathway: Principals of Arts & AV, Digital Media, Graphic Design & Illustration, Animation 1, Animation2, Digital Arts & Animation, Career Preparation

Digital Art and Animation (6585) grade: 9-12 (fine art credit)

Weight: None
Semester: Both
Credit: 1
Level 3 course in the Design & Media Arts pathway
Through the strands of creativity and innovation, communication and collaboration, research and information fluency, critical thinking, research and technology operations and concepts; students will develop college readiness skills applied to technology. Students will communicate information in different formats in a variety of technologies. *

Audio/Video Production I (6595) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Recommended Prerequisite: Principles of Arts, A/V Technology,
Level 2 course in the Digital Communications Pathway
Audio/Video Production I contains two focuses; Film Production and Broadcasting. Objectives include management and production of a broadcast using editorial judgement and journalistic integrity, as well as working within the time constraints and meeting consistent deadlines. Students will become proficient in the hardware and software used throughout the production process including digital recording devices like HD cameras, microphones, A/V mixing boards as well as professional level Adobe editing software. Concepts in use across the industry such as Studio & Set lighting, camera functions, Elements of Art and Design, shot composition, basic scripting and green screen techniques are introduced and utilized.

Audio/Video Production 2 with Lab (6598) Grade: 11,12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Audio/Video Production I
Level 3 course in the Digital Communications pathway
Audio/Video Production II is based on the refinement and specialization of production skills. The students create and manage a full-service production studio environment, creating custom productions for various clients in and around the campus. Industry concepts including fundraising, production budgeting, on-set safety regulations, and acquiring appropriate permits are incorporated into the daily operation of the class. The student focus is on creating professional level video projects for state and industry competitions and clients.

Practicum in Audio/Video Production (6591) Grade: 11,12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Audio/Video Production 2
Level 4 course in the Digital Communications pathway
Practicum in Audio/Video Production is a continuation of refinement and specialization of production skills. 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.

Animation (6575) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Level 2 course in the Design & Multimedia pathway
This course will teach animation and motion graphics, in addition to developing technical knowledge and skills needed for success in the Arts & Audio Visual fields. Software used will be Adobe Flash, Adobe Photoshop, & Adobe Audition. This course focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content, including visual and performing arts and design, journalism, and entertainment services. Students have the opportunity to compete in UIL for this course.

Animation 2 (6579) Grade: 11,12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Animation
Level 3 course in the Design & Multimedia pathway
This course will teach animation and motion graphics, in addition to developing technical knowledge and skills needed for success in the Arts & Audio Visual fields. Software used will be Adobe Flash, Adobe Photoshop, & Adobe Audition. This course continues to focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content, including visual and performing arts and design, journalism, and entertainment services. Animation 2 is a more in-depth study. Students have the opportunity to compete in UIL for this course.

Business Management and Administration Course Cluster

Accounting and Financial Services pathway: Business Information Management, Accounting I, Financial Math, Accounting 2, Securities & Investments, Financial Analysis, Career Preparation, Practicum

Business Information Management (6045) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Level 1 course in the Accounting & Financial Services pathway
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.

Accounting I (6020) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Level 2 course in the Accounting & Financial Services Pathway
In Accounting I, students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making. Accounting includes such activities as bookkeeping, systems design, analysis, and interpretation of accounting information.

Accounting 2 (6025) Grade: 11-12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Accounting 1
Level 3 course in the Accounting & Financial Services Pathway
In Accounting II, students will continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

Financial Analysis (6026) Grade: 10-12

***** This course is not available for the 2024-2025 school year**

Weight: None

Semester: Both

Credit: 1

State Mandated Prerequisite: Accounting 1

Level 2 course in the Accounting & Financial Services Pathway

In Financial Analysis, students will apply knowledge and technical skills in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students will develop analytical skills by actively evaluating financial results of multiple businesses, interpreting results for stakeholders, and presenting strategic recommendations for performance improvement.

Securities & Investments (6034) Grade: 10-12

Weight: None

Semester: Both

Credit: 1

Recommended prerequisite: Principles of Business, Marketing, and Finance

Level 4 course in the Accounting & Financial Services Pathway

In Securities and Investments, students will understand the laws and regulations to manage business operations and transactions in the securities industry. This course focuses on planning services for financial and investment planning, banking, insurance, and business financial management.

Financial Mathematics (2045) (*Math Credit) (2045) Grade: 11-12

Weight: Regular

Semester: Both

Credit: 1

Prerequisite: Algebra I and Administrative Approval

Level 2 course in the Accounting & Financial Services Pathway

Course requires administrative approval for 11th grade. Note: May not be taken for a Math credit if credit has been earned in Math Models or Math for AF&R.

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.

Health Science Technology Course Cluster

Healthcare Diagnostics and Therapeutic pathway: Principals of Health Science, Medical Terminology, Health Science Theory, Anatomy & Physiology, Medical Microbiology, Pharmacology, Practicum
Nursing Science pathway: Principals of Health Science, Medical Terminology, Anatomy & Physiology, Medical Microbiology, Pharmacology, Health Science Theory, Practicum

Principles of Health Science (8635) Grade: 9-11

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Level 1 course in the Health Science Pathways
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 health care industry.

Medical Terminology (8655) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Recommended prerequisite: Principles of Health Science
Level 2 course in the Health Science Pathways
Medical Terminology is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Pharmacology (8640) Grade: 11,12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Biology, Chemistry, and at least one credit from a level 2 or higher course in the Health Science career cluster.
Level 4 course in the Nursing Science and Therapeutic Healthcare Pathways
The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers.

Anatomy & Physiology of Human Systems (*Science Credit) (3050) Grade: 11,12

Weight: Regular
Credit: 1
Semester: Both
State Mandated Prerequisite: Biology and Chemistry, IPC, or Physics.
Recommended Prerequisite: a course from the Health Science Career Cluster.
Level 3 course in the Nursing Science, Emergency Services, and Therapeutic Healthcare pathways: Level 4 course in the Healthcare Diagnostics pathway
This course is the study of the anatomy and physiology of human systems. The student learns to compare anatomical structures to physiological functions and analyze the relationships of the human body systems. Students who desire a health-related career are encouraged to enroll.

Medical Microbiology (*Science Credit) (3055) Grade: 11,12

***** This course is not available for the 2024-2025 school year**
Weight: Regular
Credit: 1
Semester: Both
State Mandated Prerequisite: Biology, Chemistry, and at least one credit from the Health Science career cluster.
Level 3 course in the Nursing Science, Emergency Services, and Therapeutic Healthcare pathways: Level 4 course in the Healthcare Diagnostics pathway
The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students who desire a health-related career are encouraged to enroll.

Health Science Theory - CNA (8639) Grades 11-12

***** This course is not available for the 2024-2025 school year**
Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Biology and at least one credit in the Health Science career cluster.
Recommended prerequisite: Medical Terminology.
Level 3 course in the Therapeutic Healthcare and Healthcare Diagnostics pathways
Requirements for certification: current CPR/First Aid certifications, vaccinations up to date, Hepatitis B vaccination, TB skin test within last six months. Student must be 16 years of age.
This course is designed to provide for the development of advanced knowledge and skills related to a certification as a certified Nursing Assistant (CNA). Students will have hands-on experiences for continued knowledge and skill development. This course is designed for the student who desires a practical exposure to health care careers. Students will be required to purchase their clinical uniform. NOTE: This course requires off-campus clinical sites. Students must provide their own transportation to the clinical sites. To assure students eligibility for nurse aide certification, both school-based and on-site care facility training will be provided. Testing fees may apply.

Health Science Theory with clinical CMA (8641) Grades 11-12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Biology and at least one credit in the Health Science career cluster.
Recommended prerequisite: Medical Terminology.
Level 3 course in the Therapeutic Healthcare and Healthcare Diagnostics pathways
Requirements for certification: current CPR/First Aid certifications, vaccinations up to date, Hepatitis B vaccination, TB skin test within last six months. Student must be 16 years of age.
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. Combined with Health Science Clinical, students will have hands-on experiences for continued knowledge and skill development. This course is designed for the student who desires a practical exposure to health care careers. Students taking this course will be working toward a Certified Medical Assistant certification (CMA). Students will be required to purchase their clinical uniform. NOTE: This course requires two class periods as well as off-campus clinical sites. Students must provide their own transportation to the clinical sites. To assure students eligibility certification, both school-based and on-site care facility training will be provided. Testing fees may apply.

Practicum in Health Science – Patient Care Tech (8643) Grades 11-12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Health Science Theory and Biology
Level 4 course in the Therapeutic Healthcare and Healthcare Diagnostics pathways
Requirements for certification: current CPR/First Aid certifications, vaccinations up to date, Hepatitis B vaccination, TB skin test within last six months. Student must be 16 years of age.
The Practicum course is designed to provide for the development of advanced knowledge and skills related to a certification for Patient Care Technician (CPT). Students will have hands-on experiences for continued knowledge and skill development. This course is designed for the student who desires a practical exposure to health care careers. Students will be required to purchase their clinical uniform. NOTE: This course requires two class periods as well as off-campus clinical sites. Students must provide their own transportation to the clinical sites. To assure students eligibility for certification, both school-based and on-site care facility training will be provided. Testing fees may apply.

Hospitality and Tourism Course Cluster

Culinary Arts pathway: Intro. to Culinary Arts, Principals of Hospitality and Tourism, Culinary Arts, Advanced Culinary Arts, Practicum in Culinary Arts, Food Science, Career Preparation

Introduction to Culinary Arts (8500) Grade: 9-10

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Level 1 course in the Culinary Arts pathway
Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry.

Principals of Hospitality and Tourism (8514) Grade: 9

Weight: None
Semester: Both
Credit: 1
LHS Prerequisite: Intro. to Culinary Arts in 8th grade
Level 1 course in the Culinary Arts pathway
Principals of Hospitality and Tourism is intended as a continuation of the introduction to Culinary Arts course. Students will engage in more in-depth culinary operations and will gain more industry standard food production skills, various levels of industry management, menu planning, and understanding of flavor profiles.

Dual Credit Introduction to Culinary Arts (8501D) Grade: 9-10

***** This course is not available for the 2024-2025 school year**
Weight: None
Semester: Fall
Credit: ½ for high school – 5 college hours
Students who have already taken Intro to Culinary Arts may not take this course as it repeats credit.
Prerequisite: Students may be required to demonstrate readiness for College Level work
A college level curriculum – this is the first course in the pathway leading to a level I certification from central Texas College
Note: Students must enroll with CTC (a separate application form and tuition may be required). Students may also need to purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.
Level 1 course in the Culinary Arts pathway
Dual Credit Introduction to Culinary Arts incorporates an overview of food and beverage management in various hospitality environments. The course emphasizes cost controls from procurement to marketing and sales. The course covers aspects of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations and will provide insight into the operation of a well-run restaurant. This course is intended for students pursuing a career in the restaurant industry.

Culinary Arts (8511) Grade: 10-12

Weight: None
Semester: Both
Credit: 2
Recommended prerequisites: Principles of Hospitality and Tourism and Introduction to Culinary Arts.
Level 2 course in the Culinary Arts pathway
Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course.

Advanced Culinary Arts (8513) Grade: 11,12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Culinary Arts
Level 3 course in the Culinary Arts Pathway
Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards to prepare students for success in higher education, certifications, and/or immediate employment.

Practicum in Culinary Arts (8516) Grade: 12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Advanced Culinary Arts
Level 4 course in the Culinary Arts Pathway
Practicum in Culinary Arts provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing culinary art based workplace.

Food Science (*Science Credit) (3080) Grade: 12

Weight: Regular
Semester: Spring
Credit: 1
State Mandated Prerequisites: Biology, Chemistry , and Culinary Arts.
Recommended prerequisite: Principles of Hospitality and Tourism.
Level 4 course in the Culinary Arts pathway
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.

Human Services Course Cluster

Cosmetology & Personal Care pathway: Into. To Cosmetology, Principals of Cos. And Color Theory, Cosmetology 1, Cosmetology 2, Esthetics
Family & Community Services pathway: Principals of Education, Dollars and Sense, Lifetime Nutrition & Wellness, Human Growth, Child Development, Instructional Practices, Career Preparation
Teaching & Training pathway: Human Growth, Child Development, Instructional Practices, Career Preparation, Counseling and Mental Health

Dollars & Sense (8530) Grade: 9-12

Weight: None
Semester: Fall / Spring TBD
Credit: ½ (.5)
Prerequisite: None
Level 1 course in the Family and Community Services pathway
Dollars and Sense focuses on consumer practices and responsibilities, money-management processes, decision-making skills, impact of technology, and preparation for human services careers.

Principals of Education and Training (8592) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Level 1 course in the Teaching and Training Pathway
Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

Instructional Practices (8591) Grade: 11-12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: at least one course form the Education and Training career cluster
Level 3 course in the Teaching and Training Pathway
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.

Human Growth and Development (8572) Grade: 10-12

Weight: None
Semester: Fall / Spring TBD
Credit:
Recommended Prerequisite: Principals of Education and Training
Level 2 course in the Teaching and Training pathway
Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Lifetime Nutrition and Wellness (8535b) Grade: 9-12

Weight: None
Semester: Fall / Spring TBD
Credit: ½ (.05)
Prerequisite: None
Recommended Prerequisite: Principals of Human service, Principals of Hospitality, or Principals of Health Science
Level 2 course in the Family and Community Services pathway
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.

Intro to Cosmetology (8810) Grade: 9-11

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Level 1 course in the Cosmetology and Personal Services Pathway
In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Principals Cosmetology Design and Color Theory (8811) Grade: 9-11

***** This course is not available for the 2024-2025 school year**
Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Level 2 course in the Cosmetology and Personal Services Pathway
In Principles of Cosmetology Design and Color Theory, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Students will attain academic skills and knowledge as well as

technical knowledge and skills related to cosmetology design and color theory. Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the TDLR requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

Cosmetology I (8812) Grade: 9-11

Weight: None
Semester: Both
Credit: 2
Prerequisite: None
Recommended Prerequisite: Intro. to Cosmetology Design and Color Theory
Level 3 course in the Cosmetology and Personal Services Pathway
In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

Cosmetology 2 (8213) Grade: 10-12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Cosmetology I
Level 4 course in the Cosmetology and Personal Services Pathway
In Cosmetology 2, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills. **Note: Students are required to participate in after school contact hours through the badger Cuts and Claws Salon.**

Law and Public Service Course Cluster

Law Enforcement pathway: Principals of Law, Criminal Investigation, Law Enforcement 1, Law Enforcement 2, Forensic Psychology, Forensic Science
Emergency Services pathway: Principles of Law, Disaster Response, Firefighter 1, EMT, Anatomy & Physiology, Firefighter 2, National Security

Criminal Investigation (8709) Grade: 9-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Recommended prerequisite: Principles of Law, Public Safety, Corrections, and Security.
Level 2 course in the Law Enforcement pathway
Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

Law Enforcement I (8712) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Prerequisite: None
Recommended prerequisite: Principles of Law, Public Safety, Corrections, and Security.
Level 2 course in the Law Enforcement pathway
Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Law Enforcement 2 (8714) Grade: 11,12

Weight: None
Semester: Both
Credit: 1
State Mandated Prerequisite: Law Enforcement I
Level 3 course in the Law Enforcement pathway
Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

National Security (8708) Grade: 11,12

***** This course is not available for the 2024-2025 school year**

Weight: None
Semester: Both
Credit: 1
Recommended prerequisite: Principals of Law
Level 3 course in the Law Enforcement pathway
National Security introduces the students to the aspects of disaster management. The course includes engaging simulation exercises related to natural disasters, man-made disasters, and terroristic events using homeland security programs and National Incident Management System (NIMS) programs.

Forensic Science (3060) (*Science Credit) Grade: 11, 12

Weight: Regular
Semester: Both
Credit: 1
State Mandated Prerequisites: Biology and Chemistry.
Recommended prerequisite or co-requisite: any Law, Public Safety, Corrections, and Security Career Cluster course.
Level 4 in the Law Enforcement pathway
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.

Practicum in Law Enforcement (8720) Grade: 11,12

Weight: None
Semester: Both
Credit: 2
Recommended prerequisite: Law Enforcement 2
Level 4 course in the Law Enforcement pathway
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 Law, Public Safety, Corrections, and Security Career Cluster. The course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Disaster Response (8715) Grade: 10-12

Weight: None
Semester: Both
Credit: 1
Recommended Prerequisite: Law Enforcement I
Level 2 course in the Emergency Services pathway

Disaster Response includes basic training of students in disaster survival and rescue skills that would improve the ability of citizens to survive until responders or other assistance could arrive. Students will receive education, training, and volunteer service to make communities safer, stronger, and better prepared to respond to the threats of terrorism, crime, public health issues, and disasters of all kinds.

Fire Fighter I (8716) Grade: 11-12

Weight: None
Semester: Both
Credit: 2
Recommended Prerequisite: Principals of Law
Level 3 course in the Emergency Services pathway
Firefighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety.

Fire Fighter 2 (8717) Grade: 11,12

Weight: None
Semester: Both
Credit: 3
State Mandated Prerequisite: Fire Fighter I
Level 4 course in the Emergency Services pathway
Firefighter II is the second course in a series for students studying firefighter safety and development. Students will understand Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety. Students will demonstrate proper use of fire extinguishers, ground ladders, fire hoses, and water supply apparatus systems.

Emergency Medical Technician (8650) Grade: 12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Biology
Recommended Prerequisite: Principals of Law and Anatomy & Physiology
Level 3 course in the Emergency Services pathway
Emergency Medical Technician (EMT)—Basic instructs students to meet and exceed standard knowledge needed to be a valid Emergency Medical Technician. The curriculum includes skills necessary for a student to provide entry level emergency medical care, life support, and ambulance service. **Note: Students are required to participate in hours outside the school day. This includes ride outs with the local ambulance service and contact hours in an emergency room setting. Students must be 18 years old to take the National registry of Emergency Medical Technicians exam.**

Transportation, Distribution & Logistics Course Cluster

Automotive Pathway: Small Engine Technology I, Automotive Basics, Auto Tech. 1, Auto Tech. 2, Auto Tech Practicum
Aviation / Drone / Unmanned flight: Introduction to Aerospace & Aviation, Robotics I, Robotics 2, Digital Electronics

Auto Basics (8450) Grade: 9-11

Weight: Regular
Semester: Both
Credit: 1
Prerequisite: None
Level 2 course in the Automotive pathway
Auto Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Dual Credit Auto Basics (8451D) Grade: 9-11

***** This course is not available for the 2024-2025 school year**
Weight: none
Semester: Fall
Credit: ½ credit for high school – 4 college hours
Students who have already taken Auto Basics may not take this course as it repeats credit.
Prerequisite: Students may be required to demonstrate readiness for College Level work
A college level curriculum – this is the first course in the pathway leading to a level I certification from central Texas College
Note: Students must enroll with CTC (a separate application form and tuition may be required). Students may also need to purchase materials in addition to tuition (textbooks, online subscriptions, etc.). Students must earn "C" or higher for high school credit.
Level 2 course in the Automotive pathway
Dual Credit Auto Basics is an introduction to the automotive industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, professional responsibilities, and basic automotive maintenance. Students will acquire knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. This course is intended for the student pursuing a career in the automotive industry.

Auto Tech 1 (8455) Grade: 10-12

Weight: None
Semester: Both
Credit: 2
Recommended prerequisite: Auto Basics
Level 3 course in the Automotive pathway

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

Auto Tech 2 (8460) Grade: 11, 12

Weight: None
Semester: Both
Credit: 2
State Mandated Prerequisite: Auto Tech 1
Level 4 course in the Automotive pathway
In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems, including knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Auto Tech Practicum (8465) Grade: 11, 12

Weight: None
Semester: Both
Credit: 2
LHS Mandated Prerequisite: Auto Tech 2
Level 4 course in the Automotive pathway
Practicum in Auto Tech 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 experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or worked based.

Introduction to Aerospace and Aviation (6639) Grade: 9-11

***** This course is not available for the 2024-2025 school year**
Weight: none
Semester: Both
Credit: 1
Prerequisite: None
Level 1 course in the Aviation Drone pathway
The Introduction to Aerospace and Aviation course will provide the foundation for advanced exploration in the areas of professional pilot, aerospace engineering, and unmanned aircraft systems. Students will learn about the history of aviation, from Leonardo da Vinci's ideas about flight to the Wright brothers and the space race. Along the way students will learn about the innovations and technological developments that have made today's aviation and aerospace industries possible. The course includes engineering practices, the design process, aircraft structure, space vehicles past and present, and a look toward future space exploration. Students will also learn about the wide variety of exciting and rewarding careers available to them. The Introduction to Aerospace and Aviation course will inspire students to consider aviation and other aerospace careers while laying the foundation for continued study.

LOCAL ELECTIVES

Local Electives are graded Pass/Fail and DO NOT impact GPA, eligibility, or count towards graduation required credits.

Requirements for "Off" periods and or Aide positions

- "off" periods and aide positions are for Seniors only.
- Students may not have credit recovery
- Students must meet CCMR readiness standards
- Students must be in good standing with Attendance (no clock hours current / previous year)
- Students must have passed all EOC (STAAR) exams to be eligible for "Off" periods or aide positions.

Front Office Aide (9120)

Weight: None
Semester: Both
Credit: local credit only
Prerequisite: Must have approval / signature of front office staff
Students will assist with answering the telephone, typing, and receiving and delivering messages. Students learn office procedures, manners and conduct becoming to office personnel. Students must adhere to strict confidentiality protocols.

Library Aide (9110)

Weight: None
Semester: Both
Credit: local credit only
Prerequisite: Must have approval / signature of Library staff
Students will assist with answering the telephone, checking out, returning, and shelving library materials, and assisting patrons. Students learn office procedures, manners and conduct becoming to office personnel. Students must adhere to strict confidentiality protocols.

Counselor Aide (9100)

Weight: None
Semester: Both
Credit: local credit only
Prerequisite: Must have approval / signature of Counseling office staff
Students will assist with answering the telephone, typing, and receiving and delivering messages. Students learn office procedures, manners and conduct becoming to office personnel. Students must adhere to strict confidentiality protocols.

Nurse Aide (9120N)

Weight: None
Semester: Both
Credit: local credit only
Prerequisite: Must have approval / signature of Nursing staff

Under the supervision campus nurse students will assist with the daily operation of the school clinic. Students participating in the Health Science Pathway preferred. Students must adhere to strict confidentiality protocols.

Special Classroom Aide (CM) Aide (9120C)

Weight: None
Semester: Both
Credit: local credit only
Prerequisite: Must have Counselor / Teacher Approval
Under the supervision of Special Education staff students will assist with the daily classroom activities to assist peers with disabilities. Students participating in the Education and Training Pathway or becoming a teacher preferred. Students must adhere to strict confidentiality protocols.

Learning Support Aide (life academics) (9120L)

Weight: None
Semester: Both
Credit: local credit only
Prerequisite: Must have Counselor / Teacher approval
Under the supervision of staff students assist teachers in all areas of instruction to include providing individual or small group tutoring in the LSC. Students must adhere to strict confidentiality protocols.

Vice Principal Aide (910I)

Weight: None
Semester: Both
Credit: local credit only
Prerequisite: Must have approval
Students will assist with answering the telephone, typing, and receiving and delivering messages. Students learn office procedures, manners and conduct becoming to office personnel. Students must adhere to strict confidentiality protocols.

Off Periods

Students must meet credit eligibility and have their own transportation (cannot be a bus rider). Students may not be on campus during their off period. Students may not have more than 2 off periods per semester. Students may not have off periods in conjunction with on-job periods through the career Prep class. Students may select one period or a combination form the following: 1st and 2nd, 8th and 9th, or 1st and 9th.

1st period off (9910)

2nd period off (9920)

8th period off (9980)

9th period off (9990)