

**Smithville
High School
Course
Catalog
2021-2022**

CLASS OF 2022 - 2025

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Non-Discrimination Statement

It is the policy of Smithville Independent School District not to discriminate on the basis of race, color, national origin, sex or handicap in any programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Es norma de Smithville Independent School District de no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

Accreditation

Smithville High School is accredited by the Texas Education Agency.

***** The contents of the Smithville High School Course Guide are subject to change based on legislative updates, the current fiscal status of the school district, and other factors.**

Student and Parent Responsibility

It is the responsibility of the student and parent to see that graduation requirements are met. Contact a school counselor for questions about courses, registration, state-required End of Course exams, or other graduation requirements. It is required every student completes a four-year graduation plan and meets annually with a school counselor to select the appropriate courses.

Graduation Program

To receive a diploma, students graduating in 2018 and beyond must complete the requirements of the *Foundation Graduation Plan*, *Foundation Graduation Plan + Endorsement* or the *Distinguished Level of Achievement Graduation Plan* as well as state testing requirements for graduation.

Teacher assignments and hiring are based on the courses requested.

The master class schedule is built to accommodate the classes chosen by the student. Students should choose their courses and alternates carefully and with the advice of their counselor and parents to minimize the need for a change. Alternates will be used if a course does not meet the required minimum of student requests.

Credit

All credit must be completed in grades 9-12, except high school courses satisfactorily completed in grade 8. Only courses approved by the State Board of Education (SBOE) and listed in the *Texas Administrative Code, Chapter 74* may be used to meet graduation requirements. Courses listed in this catalog are SBOE-approved except those noted as Local Credit Only, which are developed to meet identified SISD needs or interests. Local credit and grades are awarded for these courses to document participation. Credit may be earned by satisfactorily completing correspondence courses (limit of 3 courses), online independent study courses, dual credit courses, and/or credit by exam for acceleration and/or recovery.

***** 90% attendance and 70% or greater grade to earn credit*****

**1 credit=full year in class **.5 credit=1 semester in class

High School Credits earned in Junior High School

Students who successfully complete high school credits in junior high school receive high school credit and the credits and grades earned in junior high school are recorded on the high school transcript. The grades for high school credits earned in the junior high school will not be included in the student's class rank or grade point average.

Local Credit Courses: (do not count towards graduation credit requirements)

Duplicate credit course

Office/Teacher Aide

Study Hall

Grade Level Classification

Students are classified according to the number and type of credits they have earned. In order to be promoted, students are required to meet the number of credits listed below and are required to have received credit in all four of their core classes for that particular school year. Students who have fallen behind may be reclassified at semester in certain circumstances with administrative approval.

Freshman: Must have been promoted from the 8th grade

Sophomore: Must have earned 6 credits

Junior: Must have earned 11 credits

Senior: Must have earned 18 credits

Class Load

- Students must be enrolled in a full class load unless they are participating in a work program, taking dual enrollment courses, or have special dispensation from the administration.
- Fifth (5th) year seniors must attend a minimum of four hours during the school day.
- Students entering Grade 9 in 2011 and thereafter must pass STAAR End of Course exams in the following classes: English I, English II, U.S. History, Algebra I, and Biology.

Attendance

It is important to note that poor attendance adversely affects grades. By failing to meet state minimum standards for days in class, students lose credit for the class even if a passing grade is earned. Please refer to the student handbook for additional information.

Out of State Transfers

Transfer students from out of state must complete all state graduation requirements to be eligible for a Texas diploma. Requirements not completed when enrolling in Smithville High School may be satisfied by correspondence courses, credit by exam, or completing the course.

Valedictorian and Salutatorian Recognition

In order to compete for the honors of valedictorian and salutatorian, a student must be enrolled at this campus for his/her entire junior and senior years.

Top 10% Requirements

In order to be in the top 10% of your class, you must complete the Foundation Plan with an Endorsement and Distinguished requirements (includes completion of Algebra 2).

Admission Programs

a. Automatic Admission – Top 10%

Students who graduate in the top 10% of their class currently receive automatic admission to most Texas public colleges and universities. The University of Texas is only guaranteeing automatic admission to the top 6% of graduates. Students are responsible for submitting completed applications and taking required tests by deadline dates.

b. Valedictorian Exemption

The top-ranked senior of each Texas public high school is exempt from certain costs for the first two semesters of a Texas public college or university.

Grade Level Classification for Participation in Student Activities

Required credits for UIL eligibility are different from the classification credits. A student in grades 9-12 may participate in extracurricular activities on or off campus at the beginning of the school year only if the student has earned cumulative credits as indicated below:

- Freshman (1st year in high school) Promoted from the 8th grade
- Sophomore (2nd year in high school) 5 credits
- Junior (3rd year in high school) 10 credits
- Senior (4th year in high school) 15 credits

Advanced Placement Courses

The Advanced Placement Program, sponsored by the College Board, offers students an opportunity to take college-level courses in high school. If students take AP exams and score in an acceptable range, advanced placement credit may be awarded upon college entrance. Students should contact directors of admissions at colleges of their choice to ask about specific advanced placement policies. Costs of the exams must be paid for by the student. For further information on how much credit is offered at various schools, visit:

<http://www.collegeboard.com/ap/creditpolicy>. All advanced and AP courses are open

enrollment courses and all students are encouraged to enroll in courses that prepare them for college or future education. However, in order to be successful it is suggested that students meet the following guidelines:

- Be an identified Gifted and Talented student, **or**
- Transfer from similar courses from another accredited high school, **or**
- Have an overall average of 80 or better the previous year in the previous content related course, **and**
- Passed EOC

Students enrolled in these courses must follow all procedures listed under schedule changes in this catalog. Summer projects may be required and must be completed prior to the beginning of class. Students are responsible for picking up that coursework from the office prior to the end of school.

AP Exams

Students take AP Examinations in May after completing challenging AP courses. SHS currently offers the following AP exams:

Computer Science Principles AP
AP Courses taken via Independent Studies
Biology AP
Calculus AP

AP Chemistry
AP Physics

College Admissions Information

The student who plans to attend college after high school graduation should begin early to plan a course of study to assure acceptance by the college or university of his/her choice. The counselors are able to share the information and to help interpret it, but it is the responsibility of the students to seek that help. Once the student has made a definite choice of the schools where he/she is going to apply, it is advisable for the student to keep in contact with the schools' admissions office. This way the student will know well in advance of any changes in entrance requirements. Information about colleges is available on the internet and individual college websites.

College Credit

Earning college credit in high school can be not only empowering but also financially sound. SHS offers several avenues to earn college credit including AP exams, OnRamps courses, and dual credit coursework. Each program has different guidelines and regulations regarding enrollment and transferring of credits. A student can complete his/her high school career and be well on his/her way to a college degree even before he/she graduates.

Correspondence Courses

The district permits high school students to take correspondence courses (only through Texas Tech or the University of Texas) for credit toward high school graduation. Students may earn up to three credits for graduation by correspondence course. (Board Policy EEJC –Local). Prior approval is necessary for the student to receive credit. The grade that a student receives for a

correspondence class will be reflected on his/her transcript. Correspondence class grades are not included in the GPA. For more information see your counselor or refer to the Texas Tech website at www.dce.ttu.edu.

****Students who complete a correspondence course in a STAAR EOC tested subject are required to take the EOC assessment.**

Dual Credit and Concurrent Enrollment Courses

Smithville High School students may enroll at Austin Community College (ACC) while completing their high school education. Students may earn dual credit (both college and high school credit) for classes. Students should speak with their counselor to determine which classes are eligible for dual credit. Dual credit courses are considered a part of the student's high school class schedule when taken during their junior or senior year. Dual credit courses are weighted appropriately according to the GPA table found in this catalog. Students must meet college readiness criteria in order to enroll at ACC.

Students interested in concurrent or dual enrollment must meet ACC concurrent enrollment and regular admission requirements and are responsible for all laboratory fees and textbook expenses. The dual credit course will be entered into the student's schedule and that grade will count toward GPA and class rank. The concurrent ACC class, one that does not count for high school credit, will not be entered on the student's schedule or transcript nor will it count for GPA. Other conditions and restrictions apply to dual credit enrollment courses. There are no limits to the total number of credits a student may acquire by dual credit courses.

****Students in the Class of 2018 and beyond who take a dual credit course in a STAAR tested subject are required to take the STAAR EOC for that class.**

College Readiness Assessment

College readiness assessments are designed to ensure that all students attending public colleges and universities in Texas have the reading, mathematics, and writing skills necessary to perform effectively in college level coursework.

The TSIA2 will be offered to Juniors during the Spring semester in order to determine college readiness. Students who do not meet the SAT or ACT exemption requirements should take the TSIA2.

- SAT – 480 in Evidence-Based Reading and Writing and 530 in Math
- ACT – 23 Composite, with 19 or higher Math and English
- TSIA2 – 945 Reading, ELAR diagnostic test score of 5 or 6, and an essay score of 5 or higher, 950 on Math
- *Waiver for TSIA2 using EOC Staar assessment: English 2=4000+, Algebra 1=4000+ & Algebra 2 with a grade of C or better.

Acceleration of Courses

Any courses taken for acceleration must be approved by the campus principal.

Credit by Exam (CBE)

Smithville ISD permits high school students to take CBE for acceleration and remediation, only through Texas Tech or The University of Texas. There are no limits to the number of credits a

student may earn through CBE. Students may take any of the exams available from Texas Tech or The University of Texas.

- **CBE for acceleration/No prior instruction** – A student will be permitted to take an examination to earn credit for an academic course for which the student has had no prior instruction. The dates on which examinations are scheduled are listed in the student handbook yearly. Both a fall and spring semester test calendar is available. The passing score required to earn credit on an exam for acceleration is 80 per semester. If you plan on taking an exam, you must register with the central administration office no later than 30 days prior to the published test dates.
- **CBE for remediation/With prior instruction** – A student who has received prior instruction in a course or subject but did not receive credit for that subject and scored at least a 60 in that course, may be permitted by the district to earn credit by passing an examination on the essential knowledge and skills defined for the course or a subject. The passing score required to earn credit on an exam for remediation is 70 per semester.
- **CBE for transfer credit/non-accredited or home school** – Students enrolling in SHS from a non-accredited school or home school may take a CBE to receive transfer credit. Documentation of courses taken in non-accredited or home school must be received prior to the administration of the CBE. The grade scored on the CBE will be marked on the student's transcript and credit awarded if grade is 70% or greater.

****Students who take a CBE for a STAAR EOC tested course will have to take the EOC****

Credit Recovery

SHS uses a computer-based, self-paced program for credit recovery. Depending on the manner in which a student lost credit for a course, he/she may be eligible for this program. See your counselor for more information on credit recovery eligibility. In the event that a student is eligible for credit recovery, a —P (pass) or —F (fail) shall not be granted grade points; however, credit will be granted for any course receiving a —P pass.

Early Graduation Plans and Categories

All early graduates will complete the requirements for high school graduation according to the graduation plans in place when they entered high school. Students must declare their intent to be an early graduate by completing the early graduation application and satisfying college readiness requirements if college bound. This application requires a parent signature. The following are the categories for early graduates:

- Three year May graduate
- Three and one-half year December graduate

Early Graduates Grade Classification, Senior Privileges and EOC Testing

Three year May graduate:

- He/she will start the third year classified as a junior regardless of the number of credits the student has accumulated. If the student is making successful progress toward completion of all coursework for graduation and has a total of 18 credits at the end of

the first semester, the student will be reclassified as a senior. Documentation of completion of graduation requirements must be received on or before the last day of the spring semester.

- No senior privileges will be granted during the first semester. The student will have senior privileges during the second semester only if reclassified as a senior. The student can participate in the May graduation ceremony.
- If this student does not pass all EOC's, that student will not be considered a graduate. This student can be a three year summer graduate if he/she passes all EOC's through the summer EOC testing. If not, the student will return to school in the fall semester as a full time student and be enrolled in EOC remediation classes.

Three and one-half year December graduate:

- He/she will be classified at the beginning of the fourth year according to the total number of credits earned. Documentation of completion of graduation requirements must be received before the first day of the spring semester.
- He/she will have senior privileges during the first semester of the fourth year only if the student is classified a senior when the year starts. The student will not be able to participate in senior activities during the second semester. The student can participate in the graduation ceremony in May following the December graduation.
- If this student does not pass all EOC's, this student will not be considered a graduate. This student will return to school in January as a full time student enrolled in remediation classes.

Early Graduates Class Rank and Grade Point Average

Early graduates will not be ranked with any graduating class. Early graduates will receive a grade point average according to the grade point procedure used at SHS. Colleges will be notified that early graduates from SHS do not receive a ranking. Early graduates will be encouraged to contact the colleges they are planning to attend to find out what procedure the college will use for students that are not ranked with their graduating class.

Special Programs & Services

Section 504 Services

Section 504 of the Rehabilitation Act of 1973 prohibits discrimination and assures that students with disabilities have educational opportunities and benefits equal to those provided to non-disabled students. Eligible students are regarded as having a physical or mental impairment which substantially limits one or more major life activities, including learning, self-care, walking, seeing, hearing, speaking, breathing, working, and performing manual tasks.

Special Education Services

SHS offers a range of services for students receiving special education support and services. *Applied classes* offer students small group instruction in the TEKS. *Inclusion support* offers students extra support for classes taken in the general education setting.

- For students who are served by special education, the ARD committee will determine whether students have met the End of Course requirements for a particular course.

In addition, the following programs address specific student needs:

- **Vocational Adjustment Coordination (On the Job Training Programs):** Serves students, ages 16-22, with disabilities who are in need of vocational and job training prior to graduation.
- **Life Skills Program:** Serves students with more severe disabilities in grades 9-12 in need of specific instruction in life/survival skills, health/ safety skills, community-based instruction, and work adjustment training

Summer School

Students may attend summer school at any accredited high school during the summer. Students must bring proof of summer credits to the counselors prior to the start of the next school year. A transcript from the school granting credit will be requested and the course will be added to the student's transcript. Summer school courses do not count for class rank or GPA. ***The availability of summer school is based on the current fiscal status of the school district.

Gifted and Talented (GT) Program

Identified GT students are served through group and individualized instruction in the advanced and AP classroom. All students who have previously been identified gifted are admitted into the program. Teachers, parents, or students may nominate students for the program. Nominated students will have the option to participate in assessment to determine eligibility for the program according to district guidelines.

Category I and II Off-Campus Physical Education Program

Students who are interested in participating in either the Category I or II Off-Campus Physical Education Program need to pick up an application from either the school counselor, the curriculum department, or access it on the school website. The application must be completed and submitted to the curriculum department prior to the beginning of a semester.

Category I (Olympic/National Level)—Participation and/or competition includes a minimum of 15 hours per week of highly intensive, professional, supervised training. The training facility, instructors, and the activities involved in the program must be certified by the superintendent to be of exceptional quality. Students qualifying and participating at this level may be dismissed from school one hour per day. Students dismissed may not miss any class other than physical education.

Category II—Participation includes a minimum of 5 hours per week at a private or commercially-sponsored agency that provides physical activities which include those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Students certified to participate at this level may not be dismissed from any part of the regular school day.

Texas Virtual School Network (TxVSN) Secondary Grade Levels

The Texas Virtual School Network (TxVSN) has been established by the state 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.

Depending on the TxVSN course in which the student enrolls, the course may be subject to the

—no-pass no-play rules. In addition, for students who are enrolled in a TxVSN course for which at the end of course (EOC) assessment is required, **the student must still take the corresponding EOC assessment.** If you have questions or wish to make a request that your child be enrolled in a TxVSN course, please contact the campus counselor. A copy of policy EHDE will be distributed to parents of middle and high school students at least once each year. If you do not receive a copy or have questions about the policy, please contact the campus counselor.

Career Preparation Programs (Work Study Programs)

Students who are at least 16 years old may earn credit for participation in career preparation programs in their junior and senior years of high school. Specific criteria exist in each program. Students must be employed within two weeks of entering the program and must meet other federal, state and local criteria including, but not limited to, working at least 10 hours a week during the school week, maintaining the same job without quitting (prior approval from supervisor is necessary), and following all guidelines. Students who lose their jobs due to layoffs may be placed in unpaid training stations. The procedure for enrolling in any Career Prep program is as follows:

1. Complete application.
2. Return it to the counselor.
3. Interview with the CTE Committee.
4. Student and parent notified of committee decision.
5. If a student is not approved, students will be enrolled in alternative classes previously selected.

GRADE/GPA INFORMATION

- **Grading and Averaging**
 1. Grade Scale: A= 90 – 100 B= 80 – 89 C= 70 – 79 F= Below 70 b) The average of both semesters of a one credit class must be equal to 70 to obtain full credit.
- **GPA Grade Point Average**
 1. Students shall receive grade points on a weighted scale for each course taken
 2. A weighted grade point average shall be computed for each student and class rank will be determined by these grade point averages
 3. The weighted grade point average and class rank will be given to each high school student at the end of the academic year
 4. The **third-nine-week** grades shall be used for the final semester in calculating weighted grade point averages and determining class rank for graduating seniors. The weighted grades are assigned based on the degree of difficulty of subject matter completed
 5. Pass-fail courses, correspondence courses, summer school credits, credit recovery credits, concurrent ACC college courses **and concurrent AP independent study courses and** any course taken for local credit shall not be included in determining grade point averages
 6. The grades for high school credits earned in the middle school will not be included in the student's class rank or grade point average
 7. GPAs for transfer students will be calculated using the grade weighting standards of Smithville High School

8. In accordance with Board Policy EIC Local beginning with the Class of 2022 Cohort, internet based courses will no longer be excluded from GPA calculations.

GPA for Valedictorian and Salutatorian

- The two highest ranking seniors graduating on either the Foundation with Endorsement or Foundation with Distinguished Achievement program will be valedictorian and salutatorian
- In order to compete for the honors of valedictorian and salutatorian, a student must be enrolled at Smithville High School for his/her entire junior and senior year, starting on the first day of his/her junior year.
- In the case of a tie for either of the top two positions, the tie shall be broken as follows:
 1. The student with the largest number of AP and dual credit courses shall be selected.
 2. If a tie still exists, then the highest average of only the AP and dual credit courses shall be the determining factor.

GPA Table

Students graduating in 2017 and thereafter shall be assigned grade points based on the following chart.

Grade	Tier I Courses	Tier II Courses	Tier III Courses	Tier III Courses
			Dual Credit	On Ramps
100	5.0	6.0		6.5
90-99	4.0-4.9	5.0-5.9	A=100=6.5	5.5-6.4
80-89	3.0-3.9	4.0-4.9	B=89=5.4	4.5-5.4
70-79	2.0-2.9	3.0-3.9	C=79=4.4	3.5-4.4
60-69	1.0-1.9	2.0-2.9	D=70=-.3.5	2.5-3.4
50-59	0.0-0.9	1.0-1.9		1.5-2.4
0-49	0	0		0

*D – is not passing by Texas college standards, however the student will be allowed a 70 to receive high school credit.

Schedule Changes

Regular Courses

The only schedule changes that will be done during the first 5 days of a semester are:

- Students that need to repeat a failed course
- Graduation plan change with signed approval of parent, principal and counselor.
- Withdrawal from extracurricular class
- Students in career preparation programs (work programs) that do not have a job within the first 10 days
- Students who add classes during this time will be responsible for all make up work required by the teacher.

Changes for Tier II and Tier III courses

- Students in a Tier II or Tier III class who earn a 75 or below for the first or third nine-week period will be allowed to request a schedule change to a regular level class. Changes will be limited to the beginning of the following nine-week period on a space available basis.
- Students who fail a Tier II or Tier III class for any nine-week period will be removed from the class and placed in a regular level class, if a regular level class is being taught, at the beginning of the following nine-week period. Course stacking and instructional differentiation may be an option for students based on teacher recommendation.
- Students who have been removed or requested a change from a Tier II or Tier III course will not be readmitted to that course for that year.
- Students not completing an entire semester of a Tier II or Tier III class will not receive weighted credit.
- Teacher syllabus, approved by campus principal, will drive student changes and placement decisions.

Transfer Credit Policy—High School

Course Credit from an Accredited State, National, or International School

SHS grants course credit from any state, national, or international accredited educational institution providing that

- the course credit is recorded on an official transcript of that educational institution
- the course is a recognized credit course in the State of Texas as identified in the official state credited course listing published each year by the Texas Education Association
- The course meets the state of Texas TEKS for the specific course.

For those courses meeting the above three criteria, SHS uses a numerical grade as shown on the educational institution's official transcript for calculating GPA and class rank except for grades from non-American educational institutions. In addition, SHS shall award weighted credit for the

purpose of GPA and class rank for any grade that meets the above three criteria if the educational institution's official transcript designates the course as honors, Pre-AP, AP, IB, or accelerated. Weighted credit will only be awarded for courses that are offered at SHS at the accelerated level.

If the educational institution does not provide a numerical grade, SHS shall assign the following numerical grades for letter grades:

Letter Grade Conversion Table

(A to D with F Grade System)

A+ 95	A 92	A- 90
B+ 87	B 85	B- 83
C+ 81	C 79	C- 77
D+ 74	D 72	D- 70
F 60		

(A to C with F Grade System)

A+ 97	A 95	A- 90
B+ 87	B 85	B- 80
C+ 77	C 75	C- 70
F 60		

Endorsement Graduation Plan Overview

(Class of 2018+)

This section of the Course Guide is designed to provide you with information about the new Texas Foundation Endorsement Graduation Plan which takes effect for the Class of 2018 and beyond. The purpose of the State's change to the new graduation plan is to provide students greater flexibility and choice in the selection of courses that will best prepare them for their individual postsecondary goals. Employers and leaders in the Texas workforce have encouraged career oriented training and certification at the high school level to help meet their growing demands.

Starting in the spring of 2014, all eighth-graders will be required to choose one of five endorsements as outlined in the new graduation plan. The five endorsement areas are:

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

The earned Endorsement will be reflected on the student's official transcript at the completion of their high school career.

How are the Endorsements organized?

As you use this guide, you will see recommended Pathways (or coherent sequences of courses) organized by career clusters within each of the Endorsements. A career cluster is a grouping of occupations and broad industries based on commonalities. These career clusters are part of the Achieve Texas College and Career Initiative that is designed to help students (and their parents) make informed education decisions. It is based on the idea that the education of the 21st century should combine rigorous academics with relevant career education. When schools integrate academic and technical education, students can see the "relevance" of what they are learning. The Pathways allow students to study a particular field in depth and help to facilitate a seamless transition from secondary to postsecondary opportunities.

Course and Graduation Program Selection

Because entrance requirements vary greatly among colleges and universities, college-bound students should investigate the schools they are considering before selecting high school courses and graduation programs. And, as employers have varying requirements, career-bound students should select high school courses and graduation plans to meet future employment objectives.

Four Year Plan

Upon entering 9th grade, a student is automatically set to earn the multidisciplinary endorsement. Other endorsements may be earned or declared per student request. Each year a student should select courses that are included in his/her four-year plan, as developed with the counselor. Any adjustments to be made regarding the four-year plan must be done in conjunction with the guidance office. The student should carefully consider college admission requirements as he/she selects courses. Colleges/Universities focus on the course selection and rigor of content and do not require an endorsement. Any questions regarding college admissions should be directed to a counselor.

Required Parent Conference: Please join your 8th grade student and a SHS representative to discuss high school course selection and your child's individual Endorsement Graduation Plan as it relates to his/her unique interests and future career goals. This meeting benefits your child's school success and also satisfies state law, which requires an individual meeting with each parent about the new Endorsement Graduation Plan. You will receive notification of the parent meetings in early August. The meetings will be held prior to the first day of the school year. Your involvement in the process of helping your student prepare for high school is critical. We hope this Endorsement Guide will be a valuable resource in this exciting journey!

House Bill 5 Graduation Plans

Distinguished level of Achievement Graduation Plan-26 credits

Students must fulfill the Graduation requirements of at least 1 of the 5 endorsements below and successfully complete Algebra 2.

Foundation + Endorsement Graduation Plan-26 credits

STEM	Business & Industry	Public Service	Arts & Humanities	Multidisciplinary
4 English -ELA 1, 2, 3 & one adv. Eng.	4 English -ELA 1, 2, 3 & one adv. Eng.	4 English -ELA 1, 2, 3 & one adv. Eng.	4 English -ELA 1, 2, 3 & one adv. Eng.	4 English -ELA 1, 2, 3 & one adv. Eng.
4 Math -Alg 1, Geometry, Algebra 2 & one adv. math	4 Math -Alg 1, Geometry, Algebra 2 & one adv. math	4 Math -Alg 1, Geometry, Algebra 2 & one adv. math	4 Math -Alg 1, Geometry, Algebra 2 & one adv. math	4 Math -Alg 1, Geometry, Algebra 2 & one adv. math
4 Science -Biology, Chemistry, Physics & one adv. science	4 Science -Biology, Chemistry, Physics & one adv. science	4 Science -Biology, Chemistry, Physics & one adv. science	4 Science -Biology, Chemistry, Physics & one adv. science	4 Science -Biology, Chemistry, Physics & one adv. science
3 Social studies -W. Geography or W. History, US History, Govt/Eco	3 Social studies -W. Geography or W. History, US History, Govt/Eco	3 Social studies -W. Geography or W. History, US History, Govt/Eco	4 Social studies -W. Geography or W. History, US History, Govt/Eco	3 Social studies -W. Geography or W. History, US History, Govt/Eco
2 LOTE -Language other than English	2 LOTE -Language other than English	2 LOTE -Language other than English	2 LOTE -Language other than English	2 LOTE -Language other than English
1 Physical Ed.	1 Physical Ed.	1 Physical Ed.	1 Physical Ed.	1 Physical Ed.
1 Fine Art	1 Fine Art	1 Fine Art	1 Fine Art	1 Fine Art
4 Electives in STEM path	4 Electives in Bus/Industry path	4 Electives in Public service path	4 Electives in Arts & Humanities path	4 Electives in multidisciplinary path
3 additional electives	3 additional electives	3 additional electives	3 additional electives	3 additional electives

Foundation Graduation Plan-22 credits

Required Assessments:

Student may only declare Foundation Plan after sophomore year

Staar EOC: English 1, Algebra 1, Biology, English 2, US History

4 English	2 LOTE
3 Math	1 Physical Ed.
3 Science	1 Fine Art
3 Social Studies	5 Electives

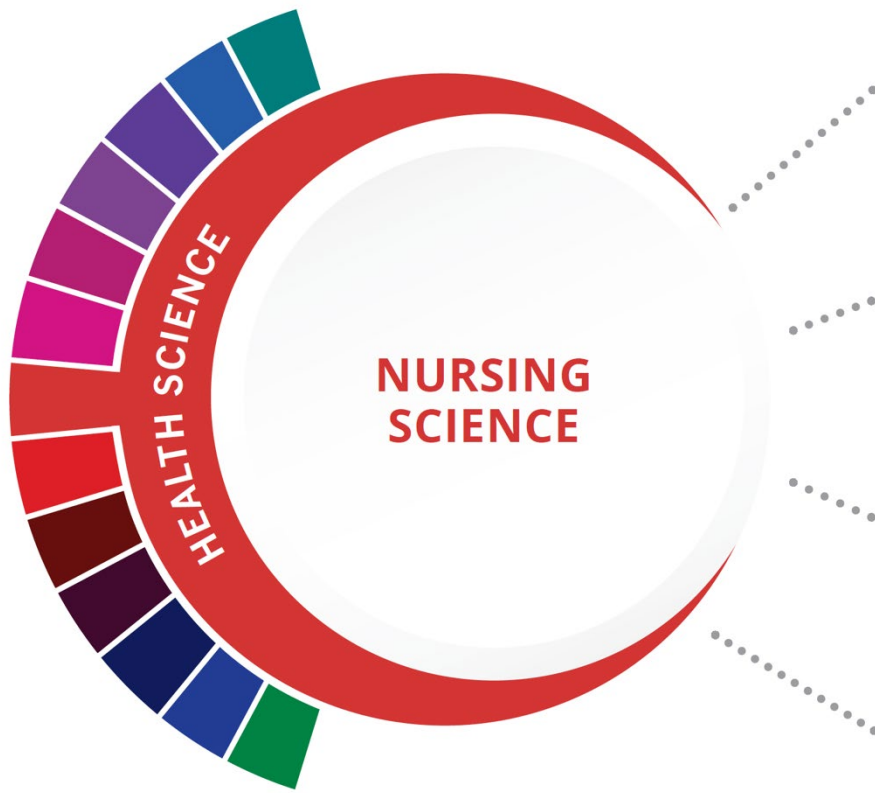
Performance Acknowledgements:

Outstanding performance:

Dual credit coursework; bilingualism/biliteracy, AP, PSAT, SAT, AT-plan or ACT

Certification:

Nationally or internationally recognized business or industry certification or license



Principles of Health Science

Level 1

Medical Terminology
Science of Nursing (TBD)

Level 2

Anatomy and Physiology
Clinical Ethics (TBD) Leadership
and Management in Nursing
(TBD)

Level 3

Practicum in Nursing
(TBD)

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Certified Medical Assistant	Licensed Vocational Nurse	Registered Nursing/ Registered Nurse	Informatics Nurse Specialists	Nurse Practitioner

Occupations	Median Wage	Annual Openings	% Growth
Licensed Vocational Nurses	\$45,178	7,186	21%
Registered Nurses	\$68,682	17,493	26%
Nurse Practitioners	\$107,827	977	50%
Nurse Anesthetists	\$154,856	357	23%

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

**WORK BASED LEARNING AND EXPANDED
LEARNING OPPORTUNITIES**

Exploration Activities:	Work Based Learning Activities:
Health Occupation Students of America (HOSA)	Volunteer at a community wellness center, hospital, assisted living center, or nursing home.

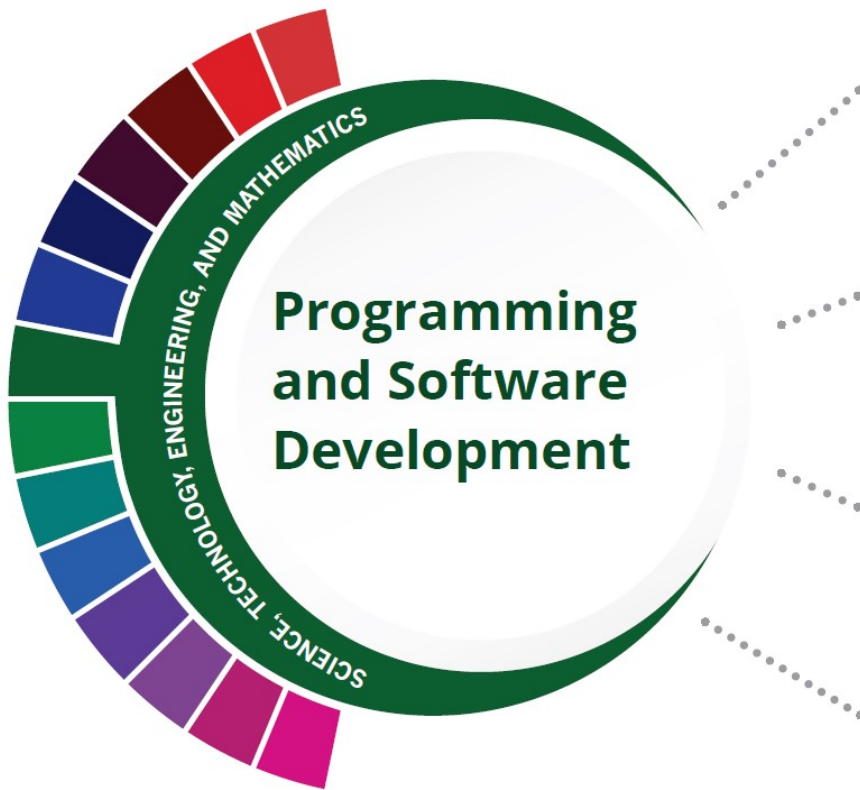
The Nursing Science program of study introduces students to the knowledge and skills related to patient care. CTE learners may learn about or practice caring for patients, routine procedures such as monitoring vital signs, development and implementation of care plans, maintenance of medical records, and disease or pain management. Students may focus on the healthcare system and research system designs and make recommended modifications.



The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Successful completion of the Nursing Science program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised - July 2020





Level 1 Fundamentals of Computer Science

AP Computer Science Principles

Level 2

AP Computer Science A, MATH
AP Computer Science A, LOTE

Level 3

Practicum in Information Technology
Practicum in Science, Technology,
Engineering, and Mathematics

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Oracle Certified Association JAVA SE 8 Programmer	Certified Computing Professional	Computer Programming/ Programmer General	Management Information Systems, General	Computer Software Engineer
Oracle Certified Database Associate	Cloud Technology Associate Certification	Computer Software Engineer	Computer Software Engineer	Computer Science
Microsoft Technology Associate, Introduction to Programming Using Python, HTML or CSS	AEM 6 Developer	Computer Science	Computer Science	Information Science/ Studies
Microsoft Technology Associate, Introduction to Programming Using Java or JavaScript	Certified Software Analyst	Certified Software Analyst	Information Science/ Studies	

Occupations	Median Wage	Annual Openings	% Growth
Software Developer, Systems Software	\$103,334	2,985	25%
Software Developers, Applications	\$104,499	6,311	30%
Computer Programmers	\$79,893	1,454	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Join TSA Participate in coding club at school	Obtain an industry-based certification.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Programming and Software Development program of study explores the occupations and education opportunities associated with researching, designing, developing, and testing operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study may also include exploration into creating, modifying, and testing the codes, forms, and script that allow computer applications to run.



The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Successful completion of the Programming and Software Development program of study will fulfill requirements of the Business and Industry and STEM endorsement if the math and science requirements are met. Revised - July 2020



COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Fundamentals of Computer Science	03580140 (1 credit)	None	9-12
AP Computer Science Principles	A3580300 (1 credit)	None	9-12
AP Computer Science A, MATH, LOTE	A3580110 (MATH) (1 credit) A3580120 (LOTE) (1 credit)	None	9-12
Practicum in Information Technology	13028000 (2 credit) 13028005 (3 credit) 13028010 (2 credit) 13028015 (3 credit)	PREQ: Two high school information technology courses	12
Practicum in Science, Technology, Engineering, and Mathematics	13037400 (2 credit) 13037405 (3 credit) 13037410 (2 credit) 13037415 (3 credit)	PREQ: Algebra I and Geometry	12

FOR ADDITIONAL INFORMATION ON THE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS CAREER CLUSTER, PLEASE CONTACT:

Laura Torres | Laura.Torres@tea.texas.gov
<https://tea.texas.gov/cte>

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Introduction to Culinary Arts

Level 1

Culinary Arts

Level 2

Advanced Culinary Arts

Level 3

Practicum in Culinary Arts

Level 4

HIGH SCHOOL/INDUSTRY CERTIFICATION AT SMITHVILLE	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
	Certified Chef	Hotel and Restaurant Management	Hotel and Restaurant Management	Hotel and Restaurant Management
	Foodservice Management Professional	Restaurant Culinary and Catering Management	Food Service Systems Administration/Management	Food Service Systems Administration/Management
	Comprehensive Food Safety	Hospitality Administration/Management, General	Hospitality Administration/Management, General	Hospitality Administration/Management, General
	Certified Food and Beverage Executive	Culinary Arts/ Chef Training	Culinary Science and Food Service Management	Business Administration Management, General

Occupations	Median Wage	Annual Openings	% Growth
Food and Beverage Managers	\$55,619	1,561	28%
Chef and Head Cooks	\$43,285	1,366	25%
Food Science Technicians	\$34,382	236	11%

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Family, Career, and Community Leaders of America (FCCLA), SkillsUSA, American Culinary Federation, Texas Restaurant Association	Plan a catering event or work for a catering company; participate in a cooking course; work in a restaurant; cook at home

The Culinary Arts program of study introduces CTE learners to occupations and educational opportunities related to the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study also explores opportunities involved in directing and participating in the preparation and cooking of food.



The Hospitality and Tourism Career Cluster focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services. Students acquire knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success.

Successful completion of the Culinary Arts program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020



COURSE INFORMATION

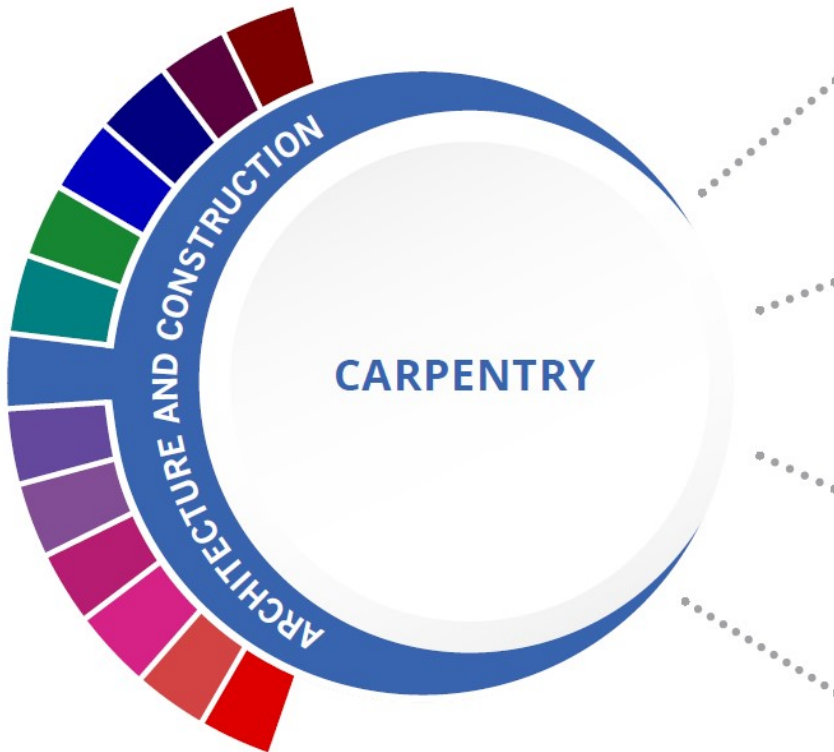
COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Introduction to Culinary Arts	13022550 (1 credit)	None	9-12
Culinary Arts	13022600 (2 credits)	None	10-12
Advanced Culinary Arts	13022650 (2 credits)	PREQ: Culinary Arts	10-12
Practicum in Culinary Arts	13022700 (2 credits) 13022705 (3 credits) 13022710 (2 credits) 13022715 (3 credits)	PREQ: Culinary Arts	11-12

FOR ADDITIONAL INFORMATION ON THE HOSPITALITY AND TOURISM CAREER CLUSTER, PLEASE CONTACT:

Debbie Wieland | Debbie.Wieland@tea.texas.gov

<https://tea.texas.gov/cte>

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Principles of Construction

Level 1

Construction Technology I

Level 2

Construction Technology II

Level 3

Practicum in Construction

Level 4

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
NCCER Carpentry, Level 1 & 2	Certified Lead Carpenter	Carpentry/ Carpenter	Construction Science	Construction Management
NCCER Commercial Carpenter	Certified Installer	Industrial Mechanics and Maintenance Technology		
NCCER Core Curriculum	Certified Door Consultant			
NCCER Construction Technology	Fluid Power Connector and Conductor			

Occupations	Median Wage	Annual Openings	% Growth
Carpenters	\$35,922	5,031	26%
Cost Estimators	\$63,939	2,239	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Shadow a carpenter or millwright. SkillsUSA	Obtain an NCCER certification in Millwright Level 1 or Carpentry Level 1

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Carpentry program of study explores the occupations and educational opportunities related to constructing, installing, or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). This program of study may also include exploration into installing, dismantling, or moving machinery and heavy equipment according to layout plans, blueprints, or other drawings.



The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

Successful completion of the Carpentry program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020



COURSE INFORMATION

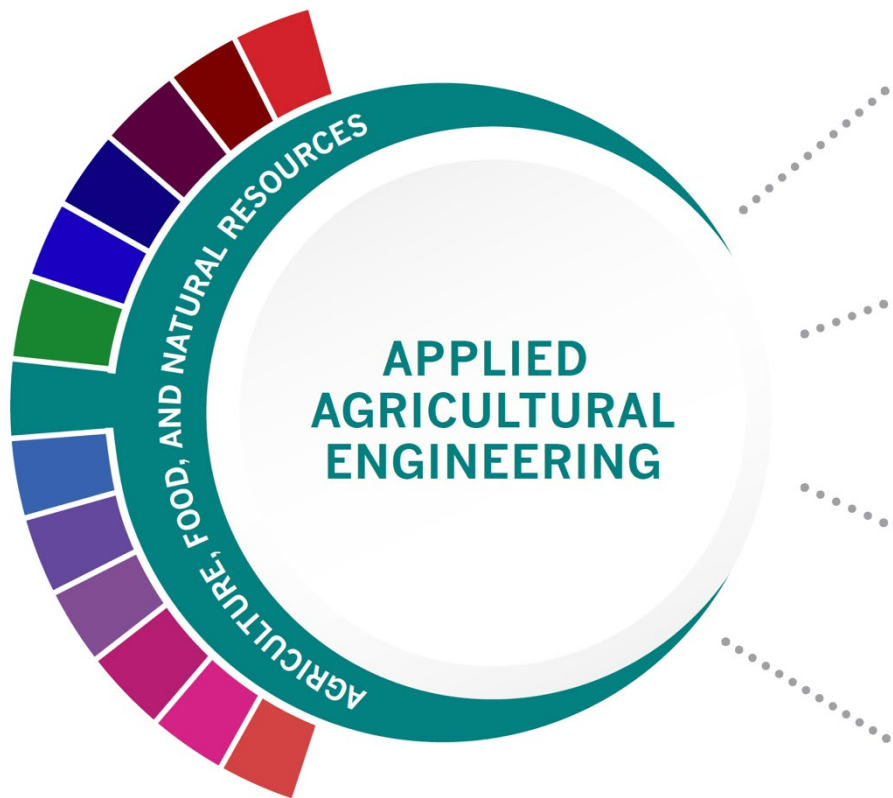
COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Construction	13004220 (1 credit)	None	9-12
Construction Technology I	13005100 (2 credits)	None	10-12
Construction Technology II	13005200 (2 credits)	PREQ: Construction Technology I	11-12
Practicum in Construction Technology	13005250 (2 credits) 13005255 (3 credits) 13005260 (2 credits) 13005265 (3 credits)	PREQ: Construction Technology II, Building Maintenance Technology II, Electrical Technology II, Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II, Plumbing Technology I, or Mill and Cabinetmaking Technology	12

FOR ADDITIONAL INFORMATION ON THE ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER, PLEASE CONTACT:

Les Hudson | Les.Hudson@tea.texas.gov

<https://tea.texas.gov/cte>

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- Level 1**
Principles of Agriculture, Food, and Natural Resources

- Level 2**
Agricultural Mechanics and Metal Technologies/Lab

- Level 3**
Agricultural Structures Design and Fabrications/Lab

- Level 4**
Agricultural Equipment Design and Fabrication/Lab

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
	Certified Professional Agronomist	Heavy Equipment Maintenance Technology/Technician	Agricultural Engineering	Agricultural Engineering
	Certified Reliability Engineer	Agricultural Mechanization, General	Agricultural Mechanization, General	Agricultural Mechanization, General
	Certified Irrigation Designer	Small Engine Mechanics and Repair Technology/Technician		
	Fluid Power Mobile Hydraulic Mechanic	Welding Technology/Welder		

Occupations	Median Wage	Annual Openings	% Growth
Outdoor Power Equipment and Other Small Engine Mechanics	\$32,406	366	16%
Welders	\$41,350	6,171	9%
Farm Equipment Mechanics and Service Technicians	\$39,915	304	17%
Mobile Heavy Equipment Mechanics	\$47,299	1,627	16%
Agricultural Engineers	\$64,792	9	13%

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Tour a farm products or machinery plant Texas FFA	Earn a welding certification Intern at a farm products or machinery plant FFA Supervised Agriculture Experience (SAE)

The Applied Agricultural Engineering program of study explores the occupations and educational opportunities associated with applying knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing agricultural products. This program of study may also include exploration into diagnosing, repairing, or overhauling farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems.



The Agriculture, Food, and Natural Resources (AFNR) Career Cluster focuses on the essential elements of life—food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

Successful completion of the Applied Agricultural Engineering program of study will fulfill requirements of a Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised - July 2020



COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Agriculture, Food, and Natural Resources	13000200 (1 credit)	None	9-12
Agricultural Mechanics and Metal Technologies/Lab	13002200 (1 credit) 13002210 (2 credits)	None	10-12
Agricultural Structures Design and Fabrications/Lab	13002300 (1 credit) 13002310 (2 credits)	None	11-12
Agricultural Equipment Design and Fabrication/Lab	13002350 (1 credit) 13002360 (2 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE AGRICULTURE, FOOD, AND NATURAL RESOURCE CAREER CLUSTER,

PLEASE CONTACT: Les Hudson | Les.Hudson@tea.texas.gov

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- Level 1**
Principles of Business, Marketing, and Finance

- Level 2**
Sports and Entertainment Marketing

- Level 3**
Advertising

- Level 4**
Career Preparation I

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE / LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
	Certified Product Manager	Marketing/ Marketing Management, General	Marketing/ Marketing Management, General	Marketing
	DMA Certified Marketing Professional	Consumer Merchandising/ Retailing Management	Business Administration	Business Administration
	Certified Salesperson	International Marketing	Applied Economics	Applied Economics
	Real Estate Appraiser	Business	Marketing Research	Advertising

Occupations	Median Wage	Annual Openings	% Growth
Marketing Research Analysts and Marketing Specialists	\$70,346	4,664	40%
Insurance Sales Agents	\$43,181	5,886	30%
First-Line Supervisors of Retail Sales Workers	\$72,550	2,826	15%
Wholesale and Retail Buyers	\$51,106	1,229	19%

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities: Business Professionals of America (BPA), Future Business Leaders of America (FBLA), and DECA	Work Based Learning Activities: Internship with local marketing firm; shadow a real estate agent; operate a school store on campus

The Marketing and Sales program of study teaches CTE learners how to collect information to determine potential sales of a product or service and/or create a marketing campaign to market or distribute goods and services. Through this program of study, students will learn the skills necessary to understand and apply data on customer demographics, preferences, needs, and buying habits.



The Business, Marketing, and Finance Career Cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Successful completion of the Marketing and Sales program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020



COURSE INFORMATION

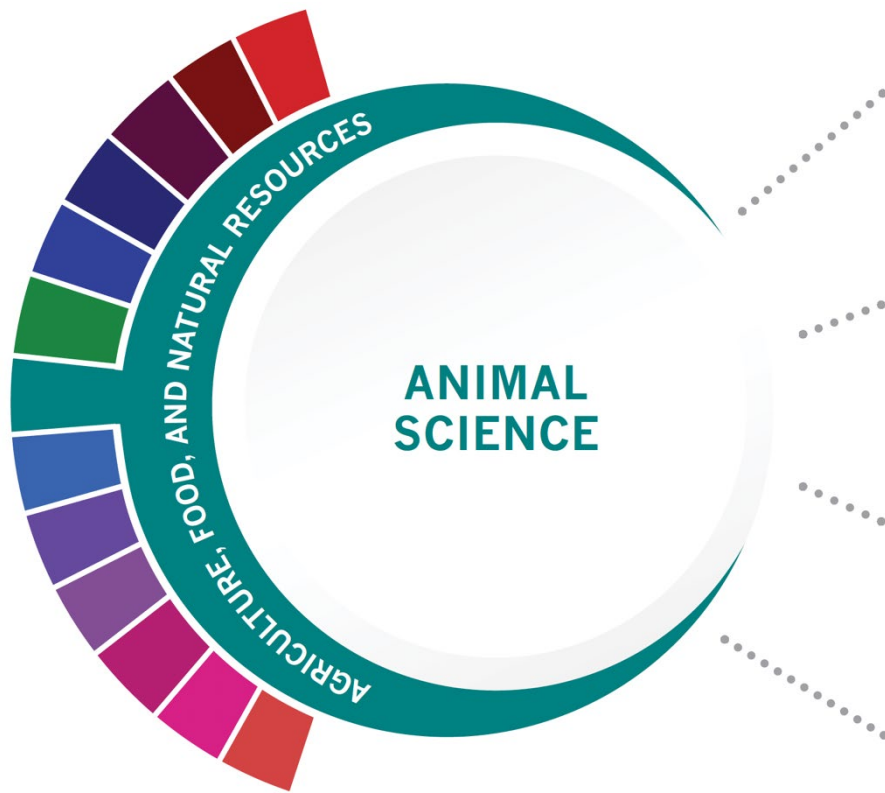
COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Business, Marketing, and Finance	13011200 (1 credit)	None	9-11
Sports and Entertainment Marketing	13034600 (.5 credit)	None	9-12
Advertising	13034200 (.5 credit)	None	9-12
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE BUSINESS, MARKETING, AND FINANCE CAREER CLUSTER, PLEASE CONTACT:

Dale Fowler | Dale.Fowler@tea.texas.gov

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Principles of Agriculture, Food, and Natural Resources

Level 1

Livestock Production/Lab

Level 2

Advanced Animal Science

Level 3

Veterinary Medical Applications/Lab

Level 4

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
	Pet Groomer	Food Science and Technology	Animal Sciences	Genetics
	Veterinary Technician	Veterinary Studies	Agriculture	Veterinary Medicine
	Licensed Breeder	Biotechnology Laboratory Technician	Biology	Biological and Physical Sciences
		Biology Technician	Zoology/Animal Biology	Biological and Biomedical Sciences

Occupations	Median Wage	Annual Openings	% Growth
Animal Breeders	\$39,135	28	9%
Animal Scientists	\$57,533	22	12%
Medical Scientists	\$63,898	435	27%
Veterinarians	\$93,496	294	24%
Zoologists and Wildlife Biologists	\$67,309	45	32%

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Texas FFA	Agri-Science Fair 4H Volunteer at a local farm or veterinary office FFA Supervised Agriculture Experience (SAE)

The Animal Science program of study focuses on the science, research, and business of animals and other living organisms. It teaches CTE learners how to apply biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students may also research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.



The Agriculture, Food, and Natural Resources (AFNR) Career Cluster focuses on the essential elements of life—food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

Successful completion of the Animal Science program of study will fulfill requirements of a Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised - July 2020

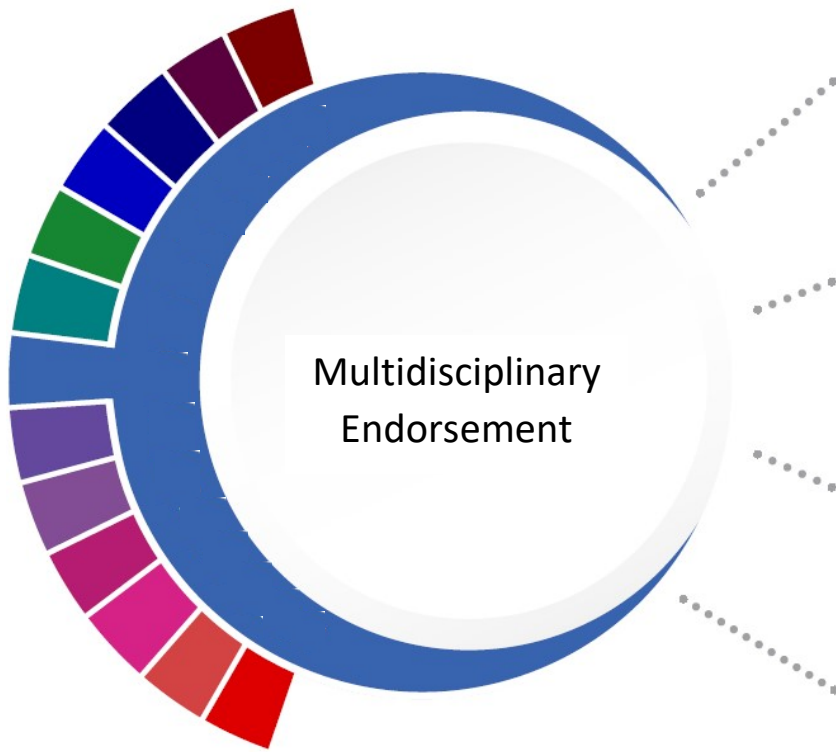


COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Agriculture, Food, and Natural Resources	13000200 (1 credit)	None	9-12
Livestock Production/Lab	13000300 (1 credit) 13000310 (2 credits)	None	10-12
Advanced Animal Science	13000700 (1 credit)	PREQ: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production;	11-12
Veterinary Medical Applications/Lab	13000600 (1 credit) 13000610 (2 credits)	PREQ: Equine Science, Small Animal Management, or Livestock Production	11-12

FOR ADDITIONAL INFORMATION ON THE AGRICULTURE, FOOD, AND NATURAL RESOURCE CAREER CLUSTER,
PLEASE CONTACT: Les Hudson | Les.Hudson@tea.texas.gov
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9th Grade	English 1 Algebra 1 or Geometry (took Alg 1 in 8 th) Biology World Geography
10th Grade	English 2 Geometry or Algebra 2 (took Geom in 9 th) Chemistry World History
11th Grade	English 3 Algebra 2 or Pre Cal (took Alg 2 in 10 th grade) Anatomy and Physiology or Physics US History
12th Grade	English 4 Pre Cal, Financial Math *Teacher requirement, Calculus (took Pre Cal in 11 th grade) Anatomy and Physiology, Physics, or AP Biology Government and Economics

Students wanting to enter a 2 or 4 year University will need to have completed Four credits in each foundation subject area, including chemistry and/ or physics and English, and graduate with Algebra 2. Students will begin 9th grade on the Multidisciplinary plan and may earn more than one endorsement.

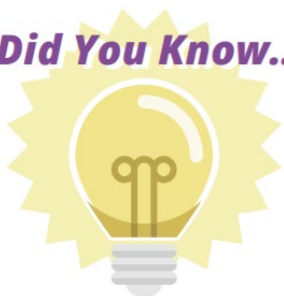
Students on the Multidisciplinary will also need classes from the following:

2 Language Credits	1 Physical Ed	1 Fine Art	7 Electives
Spanish 1	PE	Art	1 will be a history
Spanish 2	Athletics	Theater Art	6 Any other electives/class
	Band 1 & 2 Marching	Floral Design	
		Band	

Distinguished level of Achievement
Graduation Plan- 26 Credits
1 endorsement (such as multidisciplinary) and complete Algebra 2

Required Assessments STAAR EOC				
English 1	Algebra 1	Biology	US History	English 2

Did You Know...



...over their lifetime, high school graduates with a workforce certification from a community or technical college earn 20 percent more⁴ than those with only a high school diploma?

...over their lifetime a high school graduate with a bachelor's degree earns 84 percent more^{1,2} than a high school graduate without a bachelor's degree?

Performance Acknowledgements:
Outstanding Performance: Dual Credit coursework, AP, PSAT, SAT, ACT
Certification: Nationally or internationally recognized business or industry certification or license

COURSE OFFERINGS 2020-2021

ENGLISH LANGUAGE ARTS

ENGLISH I (0101) Grade 9 Credit 1.0 Tier I This skills-based course will ensure student success across a wide range of literature and composition. This course reinforces and extends previous knowledge by developing an appreciation for different literary genres, developing an appreciation and understanding of the structure of English grammar, improving vocabulary using context clues, developing skills in written and oral expression, and improving organizational skills.

ENGLISH I **ADVANCED (0105) Grade 9 Credit 1.0 Tier II** This course is designed for students whose performance, motivation, and abilities significantly exceed standards for English I. This course includes independent reading and research in areas of literature, development of higher level critical thinking skills, and the use of the writing process to compose various forms of discourse for a variety of audiences and purposes. Course requirements will also include extensive vocabulary development and literary analysis through in-depth studies of major works. Students must be prepared to devote considerable time to independent readings and outside research projects. Summer and outside-of-class readings will be a very necessary component of the class. ******Students will receive their Summer/Entrance outside-of-class readings when they register for the class. There will be no late grades for this assignment******

ENGLISH II (0102) Grade 10 Credit 1.0 Tier I This skills-based course is designed for student success across a wide range of literature and composition. This course reinforces and extends previous knowledge for the STAAR English II EOC by developing an appreciation for different literary genres, developing an appreciation and understanding of the structure of English grammar, improving vocabulary using context clues, developing skills in written and oral expression, and improving organizational skills.

ENGLISH II **ADVANCED (0106) Grade 10 Credit 1.0 Tier II** This course places emphasis on the acquisition of college preparatory vocabulary, the ability to read independently and critically, and the writing of analytical essays. Students are expected to enter this course with a mastery of English grammar and usage as well as a passing score on the STAAR English I EOC. Time is not spent on the basics of writing, but on the development of more sophistication in student writing. Also, required readings along with analysis activities outside of class are expected. A major research project is also assigned in this class. ******Students will receive their Summer/Entrance outside-of-class readings when they register for the class. There will be no late grades for this assignment******

ENGLISH III (0103) Grade 11 Credit 1.0 Tier I English III is structured to improve and refine the communication skills of students through reading, writing, speaking, and listening activities. Critical thinking skills will be developed through the analysis of a variety of literary genres. An emphasis is placed on writing well-crafted papers, including a research project. Business writing, vocabulary development, spelling, and mechanical correctness are stressed.

ENGLISH III DUAL CREDIT via ACC (0111) Grade 11 Prerequisite: College Readiness in Reading/Writing Credit 1.0 Tier III Students interested in pursuing this option must meet with their counselor to determine eligibility for the dual credit class. Students are responsible for registering for this class via ACC's online registration process.

ENGLISH IV (0104) Grade 12 Credit 1.0 Tier I English IV continues to reinforce skills, knowledge and attitudes for effective communication in all language processes: reading, writing, speaking, listening and thinking. Instruction emphasizes an application of previously learned concepts and skills in writing, language, literature and reading. These areas are integrated throughout the two semesters of the yearlong course. Writing instruction builds from paragraph structure to multi-paragraph composition to a major research paper. The course will also utilize the integration of college-level vocabulary and SAT, ACT, and TSI test preparation.

ENGLISH IV DUAL CREDIT via ACC (0111) Grade 12 Prerequisite: College Readiness in Reading/Writing Credit 1.0 Tier III Students interested in pursuing this option must meet with their counselor to determine eligibility for the dual credit class. Students are responsible for registering for this class via ACC's online registration process.

JOURNALISM (0138) Grade 9-12 Credit 1.0 Tier I This course presents the fundamentals of journalistic writing and publication. The curriculum includes the following: history of mass print media in the United States; contemporary role of mass print media; basic features of journalism; characteristics of journalistic writing; purposes and characteristics of magazine, yearbook, and newspaper pages; current trends in format and publication techniques; graphics, design, and layout in newspapers, magazines, and yearbooks; the printing process; and advertising techniques. Emphasis is placed on journalistic writing and yearbook production.

YEARBOOK I (0135) Grade 10-12 Application & Sponsor Approval Credit 1.0 Tier I This course is designed for students who are interested in working on the yearbook. Students in this course will be on the school yearbook staff. The curriculum includes the following: individual and group effort in the production of the yearbook within time constraints and budget limitations; financial responsibility in selling advertising and yearbooks; photography; to go off campus to sell advertisements, and in areas such as photography, yearbook sales, fund raising, etc., some work outside of school hours may be required. This class is the prerequisite for Yearbook Production II. The student demonstrates understanding of the principles of publishing through design using available technology.

YEARBOOK II (0136) Grade 11-12 Sponsor Approval Credit 1.0 Tier I This course will expand and refine the skills presented in Yearbook I. Students in this course will be on the school yearbook staff. It is designed to provide increased responsibility and involvement in the process and production of the yearbook. Students will assume editorial and organizational roles, such as section editors, business manager, etc., and overall leadership of the yearbook staff. Students will be required to go off campus to sell advertisements, and in areas such as photography, yearbook sales, fund raising, etc., some work outside of school hours may be required.

YEARBOOK III (0137) Grade 12 Sponsor approval Credit 1.0 Tier I This course is a continuation of Yearbook II

DEBATE (>>>>) Grade 9-12 Prerequisite: Teacher Approval Credit 1.0 Tier I Students who develop skills in argumentation and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills. They acquire life-long skills for intelligently approaching controversial issues.

MATHEMATICS

ALGEBRA I (0302) Grade 9-12 Credit 1.0 Tier I First year algebra is a study of the structure of algebra including sets, linear equations, inequalities and graphs. The system of real numbers is built step by step from the natural number system. Functions, variations and quadratic equations are introduced in this course.

GEOMETRY(0304) Grade 9-12 Prerequisite: Algebra 1 Credit 1.0 Tier I This course includes a study of plane, solid and coordinate geometries. Logic, geometric proof, spatial reasoning and application with basic skills from Algebra are stressed.

GEOMETRY ADVANCED (0307) Grade 9-12 Prerequisite: Algebra 1 Credit 1.0 Tier II This course will be a more rigorous study of geometry. Students will be required to solve problems using higher level thinking skills than those students who are enrolled in regular geometry.

ALGEBRAIC REASONING (0313) Grade 10-12 Prerequisite: Successful completion of Algebra 1 Credit 1.0 Tier I This course is a bridge between Algebra I and Algebra 2. Students will review and explore more deeply the foundations learned in Algebra I such as functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness.

ALGEBRA II (0305) Grade 10-12 Prerequisite: Successful completion of Algebra 1 Credit 1.0 Tier I Second year Algebra is a study of the fundamental properties and operations, signed numbers, algebraic expressions and sentences, relations and functions, exponents, irrational numbers, logarithms, determinants and matrices, systems of equations, functions & inverses. Sequences, series and progressions may also be included in this course.

ALGEBRA II ADVANCED (0308) Grade 10-12 Prerequisite: Successful completion of Algebra 1 Credit 1.0 Tier II This class is a more rigorous second year Algebra course. Students will be required to use higher level thinking skills than those enrolled in regular Algebra II.

FINANCIAL MATHEMATICS (0314) Grade 11-12 Credit 1.0 Tier I Financial Mathematics is a course about personal money management. Students will apply critical thinking skills, analyze personal financial decisions based upon the current and projected economic factors. Math and calculations related to world experiences include some of the following: net pay, income taxes, calculate mortgage payment, property taxes, mortgage insurance, closing costs, interest costs, etc. ***This class requires essay writing*****

PRE-CALCULUS ADV (<<<<) Grade 11-12 Prerequisite: Successful completion of Algebra 1, Geometry and Algebra 2 Credit 1.0 Tier II This course is a more rigorous study of functional relationships with emphasis on polynomial, rational, exponential, and radical and trigonometric functions. Students will be required to use higher level thinking skills than those enrolled in Pre-Calculus. The course requires the use of a graphing utility for homework, for class work, and for testing. Geometry concepts and Algebra skills are used throughout the course. Algebra II with at least a B average is advised for success. Advanced pre-calculus is recommended for students who intend to take calculus.

PRE-CALCULUS On-Ramps (0309) Grade 11-12 Prerequisite: Successful completion of Algebra 1,

Geometry and Algebra 2 Credit 1.0 Tier III Using a creative and connected approach, students deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level calculus course. This course is designed to push students well beyond —drill and kill exercises, emphasizing conceptual understanding of mathematical definitions and developing logical arguments with their peers. This course may be used to fulfill the mathematics component of the university core curriculum and addresses the following three core objectives established by the Texas Higher Education Coordinating Board: communication skills, critical thinking skills, and empirical and quantitative skills.

CALCULUS-AP (0310) Grade 12 Credit 1.0 Tier III This course is offered to students who exhibit diligence and excellence in the study of all high school courses. Topics include limits, continuity, differentiation, integration and transcendental functions. ***Students taking this class may receive college credit by taking the AP Exam and passing with a high enough standard. Students should expect a college level curriculum and workload.*** A summer project may be required. Calculus is recommended for college bound students interested in engineering and medicine.

SCIENCE

INTEGRATED PHYSICS AND CHEMISTRY (IPC) (0204) Grade 9 Prerequisite: Administrative Placement/Teacher recommendation Credit 1.0 Tier I In IPC, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformation, properties of matter and changes in matter and solution chemistry.

BIOLOGY (0202) Grade 9-10 Credit 1.0 Tier I This is a general study of living things. Studies of cell biology, genetics, zoology, botany and human biology are included. The use of the scientific method in gathering and processing data is emphasized especially regarding living organisms, their life processes, and their relationship to each other and their environment.

BIOLOGY PRE-AP (0221) Grade 9-10 Credit 1.0 Tier II This course follows the same curriculum as Biology, but centers on higher order thinking skills while studying all biology, genetics, zoology and botany.

AP BIOLOGY (0226) Grade 11-12 Credit 1.0 Tier III Biology AP is an inquiry class into biological themes. Students will have outside readings, research and experiments. Biology AP will evaluate scientific research and technology. Topics will include cytology, genetics, evolution, microbiology and comparative anatomy and physiology. Students will do labs that include DNA extractions, electrophoresis, drosophila studies, plant propagation and mammal dissection. ***Students taking this class may receive college credit by taking the AP Exam and passing with a high enough standard. Students should expect a college level curriculum and workload.***

CHEMISTRY (0203) Grade 10-11 Credit 1.0 Tier I This course is designed for students who want to learn more about chemistry in the world around us and for students who want to learn about the properties and behavior of chemical reactions.

CHEMISTRY PRE-AP (0223) Grade 10-11 Credit 1.0 Tier II This course follows the same

curriculum as Chemistry, but centers on higher order thinking skills while studying the properties and behavior of chemical reactions. This class is recommended for college bound students.

AP CHEMISTRY (0228) Grade 11-12 Credit 1.0 Tier III AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.

PHYSICS (0213) Grade 11-12 Credit 1.0 Tier I This course will include a study of force, motion, heat, sound, light, electricity and nuclear reactions. Scientific methods of problem solving and data analysis are emphasized.

PHYSICS Pre-AP (0214) Grade 11-12 Credit 1.0 Tier II This course will include a study of force, motion, heat, sound, light, electricity and nuclear reactions. Scientific methods of problem solving are emphasized. This class is recommended for college bound students planning to major in a science-related field.

AP PHYSICS (0215) Grade 11-12 Credit 1.0 Tier III AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves.

ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS (0229) Grade 11-12 Credit 1.0 Tier I In the Anatomy and Physiology of Human Systems course students conduct in-depth investigations of anatomy and physiology of human systems including circulatory, nervous, endocrine, and respiratory systems. Students will learn environmental factors that affect the body and how the body maintains homeostasis.

DUAL CREDIT EARTH AND SPACE SCIENCE via ACC (0230) Grade 12 Prerequisite: College Readiness in Reading/Writing Credit 1.0 Tier III A survey of the living organisms on our planet for the non-science major. Emphasis on evolutionary and natural history, structural and behavioral adaptations, biological diversity and co-evolution. Class depended upon enough students enrolling and availability of professors.

SOCIAL STUDIES

WORLD GEOGRAPHY (0403) Grade 9-12 Credit 1.0 Tier I This course is a general study of geography of the world. This includes the study of the nature of geography, physical setting of the earth, interaction of physical environments and urban analysis.

WORLD GEOGRAPHY ADVANCED (0413) Grade 9-12 Credit 1.0 Tier II An advanced study of geography of the world that includes: the nature of geography, physical setting of the earth, human geography and a close up study of the continents. Solid reading and writing skills are a prerequisite for this course. Students enrolling in this course will be expected to complete a summer assignment related to geography. ******Students will receive their Summer/Entrance outside-of-class readings when they register for the class. There will be no late grades for this assignment******

WORLD HISTORY (0402) Grade 10 Credit 1.0 Tier I This course is a general review of World

History from prehistoric times through modern times.

WORLD HISTORY ADVANCED (0411) Grade 10 Credit 1.0 Tier II This course is a general overview of World History from prehistoric through modern times, but with more rigorous coursework. Solid reading and writing skills are a prerequisite for this course. Students enrolling in this course will be expected to complete a summer assignment related to history. ******Students will receive their Summer/Entrance outside-of-class readings when they register for the class. There will be no late grades for this assignment******

U. S. HISTORY SINCE RECONSTRUCTION (0401) Grade 11 Credit 1.0 Tier I This course is a general review of American History from the Reconstruction period (1877) to modern times; however a brief review of early U.S. history will also be included. Historical content focuses on the political, economic, and social events, and issues related to industrialization and urbanization, major wars, domestic and foreign policies.

U.S. HISTORY DUAL CREDIT via ACC (0415) Grade 11 Prerequisite: College Readiness in Reading/Writing Credit 1.0 Tier III

Students interested in pursuing this option must meet with their counselor to determine eligibility for the dual credit class. Students are responsible for registering for this class via ACC's online registration process. **Students will be required to take the STAAR US History End of Course Exam**

U.S. GOVERNMENT (0404) Grade 12 Credit .5 Tier I

This class is a comprehensive study of our national, state, and local governments. This course will be paired with economics.

U.S. GOVERNMENT DUAL CREDIT via ACC (0416) Grade 12 Prerequisite: College Readiness in Reading/Writing Credit .5 Tier III Students interested in pursuing this option must meet with their counselor to determine eligibility for the dual credit class. Students are responsible for registering for this class via ACC's online registration process.

ECONOMICS (0405) Grade 12 Credit .5 Tier I This class is a study of the basic principles of production, distribution, and consumption of wealth and income, with emphasis on the free enterprise system.

ECONOMICS DUAL CREDIT via ACC (0417) Grade 12 Prerequisite: College Readiness in Math Credit .5 Tier III Students interested in pursuing this option must meet with their counselor to determine eligibility for the dual credit class. Students are responsible for registering for this class via ACC's online registration process.

LANGUAGE OTHER THAN ENGLISH (LOTE)

SPANISH I (0500) Grade 9-12 Credit 1.0 Tier I Students will develop skills and concepts in listening, speaking, reading, and writing Spanish. The course will provide experiences that will result in the knowledge and awareness of the various Spanish-speaking cultures. In addition to the social aspects of the study of language, the study of linguistics, and the utilization of skills as integral components of that study will result in students making generalizations and arriving at interrelationships among languages.

SPANISH II (0501) Grade 9-12 Credit 1.0 Tier I This course naturally lends itself to the

expansion and reinforcement of the skills, concepts, impressions, and experiences for the essential outcomes presented in the introductory course. There is a major emphasis on the active application of oral proficiency, listening, speaking, reading, and writing skills.

SPANISH III (0503) Grade 9-12 Credit 1.0 Tier I The benefits of proficiency in a second language will be explored as preparation for the student's entry into college and for the global realities of our world. Students will enrich their language skills and experiences by the in-depth study of advanced grammar, Spanish-speaking societies and cultures, their literature, and their histories. Included in the curriculum to broaden the student's spectrum of knowledge will be a concurrent study of current events as seen from the perspective of the Spanish-speaking world.

PHYSICAL EDUCATION

Grade 9-12 Credit 1.0 Tier I

PE 1 (0633) PE 2 (0634) PE 3 (0635) PE 4 (0636)

ATHLETICS

TIGER ATHLETICS I Grade 9 (0610)

TIGER ATHLETICS II (0611) III (0612) IV (0613) Grade 10-12

Prerequisite: Approval of the Athletic Director Credit 1.0 Tier I Students participate in U.I.L. Varsity, Jr. Varsity, and ninth grade competition.

LADY TIGER ATHLETICS I Grade 9 (0619)

LADY TIGER ATHLETICS II (0621) III (0623) IV (0624) Grade 10-12

Prerequisite: Approval of the Women's Coordinator Credit 1.0 Tier I Students participate in U.I.L. Varsity, Jr. Varsity, and ninth grade competition.

SPORTS MEDICINE I (6200)

Grade 10-12 Prerequisite: Approval of the Athletic Trainer Credit 1.0 Tier I

Sports Medicine provides student trainers with the opportunity to study and apply the components of sports medicine related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, evaluation and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities and exercise. Students will work under the supervision of an athletic trainer. This course earns state elective credit.

SPORTS MEDICINE II (6201)

Grade 11-12 Prerequisite: Approval of the Athletic Trainer Credit 1.0 Tier I

This course is a continuation of Sports medicine I designed for student athletic trainers. It provides an in-depth study and application of the components of sports medicine including but not limited to: Rehabilitative techniques; therapeutic modalities; wound care; taping and bandaging techniques; prevention, recognition, and care of musculo-skeletal injuries; drugs in sports; and modern issues in sports medicine. Individualized and independent assignments are included, along with outside-of-class time spent with athletes and athletic teams. This course earns state elective credit.

FINE ARTS

ART I (0720) Grade 9-10 Credit 1.0 Tier I This course covers four basic strands: perception, creative expression/performance, historical and cultural heritage and critical evaluation. By analyzing artistic styles and historical periods, students develop respect for the traditions and contributions of diverse cultures while experimenting with different media. Students should be in either grade 9 or 10 to enroll in this class. In the event that there are more requests than available seats in Art I, art teachers will be consulted to select student placement.

ART II (0721) Grade 10-12 Credit 1.0 Tier I This course covers four basic strands: perception, creative expression/performance, historical and cultural heritage and critical evaluation. Art II is a detailed study of the different materials available to the artist and the techniques involved in combination to achieve special effect.

ART III (0722) Grade 11-12 Credit 1.0 Tier I **** Teacher approval required**** Art III is a study of awareness and sensitivity to natural and man-made environments, inventive and imaginative expression through art materials and tools, the understanding and appreciation of self and others through art culture and heritage, and aesthetic growth through visual discrimination and judgment. Each student will be expected to create artwork to be entered into various competitions.

ART IV (0723) Grade 12 Credit 1.0 Tier I **** Teacher approval required**** Art IV is a further development of the exploration of the elements and principles of art, and experimentation with a variety of art media as related to the theories of creative development and/or appreciation of a variety of visual art forms. Student projects will be subject to portfolio review. A pre-AP portfolio should be the end result. Each student will be expected to create artwork to be entered into various competitions.

BAND I (0701), BAND II (0702), BAND III (0703), BAND IV (0704) Grade 9-12 Prerequisite: Approval of Band Director Credit 1.0 Tier I Band is a performing group composed of 9th-12th grade students. This course is designed for those students who have achieved a sufficient mastery of music fundamentals. The class emphasizes public performance at marching, concert, and contest events; participation is mandatory. Students will develop proper instrumental techniques on a specific music instrument.

APPLIED MUSIC (0705) Grade 10-12 Prerequisite: Approval of Band Director Credit 1.0 Tier I Applied music provides advanced band students with the opportunity to further refine their musical skills. Students will be expected to fine tune competition pieces and receive feedback from the director.

THEATRE ARTS I (0710) Grade 9-12 Credit 1.0 Tier I Theatre Arts I students begin a practical study of the four basic strands of theatre: perception, creative expression/performance, historical and cultural heritage, and critical evaluation. Learn basic acting skills through pantomime, improvisation, monologues, scenes and class plays.

THEATRE II (0711), THEATRE III (0712), THEATRE IV (0714) Grade 10 – 12 Credit 1.0 Tier I Advanced theatre courses extend the study of the four basic strands of theatre: perception, creative expression/performance, historical and cultural heritage, and critical evaluation. Learn advanced acting skills through pantomime, improvisation, monologues, scenes and class plays.

THEATRE PRODUCTIONS I (0707) , II (0708), III (709) Grade 9-12 Prerequisite: Theatre Director Approval Credit 1.0 Tier I *AFTER SCHOOL PARTICIPATION REQUIRED***** This class IS the Tiger Theatre Troupe. You must be in this course to be in any after school productions. Students will attend ALL after school rehearsals and performances. Students will compete in the annual U.I.L. one act play competition. Students must meet with Mr. Hensley over the summer to review the Tiger Theatre Troupe handbook and after school calendars. ***This course requires as much of your time after school as band or athletics. ***

TECHNICAL THEATRE I (0715) Grade 9-12 Credit 1.0 Tier I This course deals with the non-acting elements of live theatre including development and application of skills and techniques in basic design, construction, and operation skills for stage lighting, sound, costume, make-up, and scenic design.

TECHNICAL THEATRE II (0716) Grade 10-12 Credit 1.0 Tier I This course is a continuation of Technical Theatre I. This course deals with the non-acting elements of live theatre including development and application of skills and techniques in basic design, construction, and operation skills for stage lighting, sound, costume, make-up, and scenic design.

TECHNOLOGY APPLICATIONS

FUNDAMENTALS OF COMPUTER SCIENCE (0749) Grade 9-12 Credit 1.0 Tier I Fundamentals of Computer Science is intended as a first course for those students just beginning the study of computer science. Students will use computer science concepts to access, analyze and evaluate information needed to solve problems and foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems.

AP COMPUTER SCIENCE PRINCIPLES (0752) Grade 10-12 Credit 1.0 Tier III Prerequisite: Algebra 1. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing. This course may be used for a 4th math credit.

AP COMPUTER SCIENCE A (0751) Grade 11-12 Credit 1.0 Tier III Pre requisite: AP Computer Science Principles. AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

Audio/Video

AUDIO/VIDEO PRODUCTION II/LAB (0809) Grade 11-12 Credit 1.0 Tier I In this Advanced Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including both audio and video.

PRACTICUM IN AUDIO/VIDEO PRODUCTION (0806) Grade 12 Credit 1.0 Tier I This is an occupationally specific course designed to provide knowledge and skills for future Filmmaker and Television Producer in an audio video production career. Students develop production and editing skills necessary for employment in the video and film industry or continued education in filmmaking. The student will participate in live and on location shooting of the video.

AGRICULTURE, FOOD AND NATURAL RESOURCES

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES (6103) Grade 9 Credit 1.0 Tier I This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. Students will learn the history of FFA, Parliamentary Procedure, History of Agriculture, breeds of livestock, Plant and Soil Science and basic mechanics. Opportunities will be made available to introduce students to FFA. The FFA is the largest and premiere youth group in the United States. Membership and raising a project are not required, but recommended.

PRINCIPLES OF FLORAL DESIGN I (6384) Grade 9-12 credit 1.0 Tier 1 This course satisfies the fine arts graduation requirements. Course 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. Students will attain academic skills and knowledge related to horticultural systems, career opportunities, entry requirements, and industry expectations.

FLORAL DESIGN ADVANCED (6385) Grade 9-12 credit 1.0 Tier 1

Students build on the knowledge from the Principles of Floral Design I and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

LIVESTOCK PRODUCTION (6107) Grade 10-12 Credit 1.0 Tier I

Students will acquire knowledge and skills related to livestock and the livestock production industry. Topics addressed may include nutrition, reproduction, health, and genetics for beef cattle, dairy cattle, swine, sheep, goats, and poultry. Students will attain academic skills and knowledge related to animal systems and the workplace along with skills for career opportunities, entry requirements and industry expectations.

VETERINARY MEDICAL APPLICATIONS (6109) Grade 11 & 12 Prerequisite: Livestock Production

Credit 1.0 Tier I Veterinary Medical Applications covers topics relating to veterinary practices and introduces students to careers in the field of animal science. Students must attain academic skills and knowledge related to animal systems and the workplace, and knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

ADVANCED ANIMAL SCIENCE (6118) Grade 11-12 Credit 1.0 Tier I Prerequisites: Biology & Chemistry or IPC; Alg 1 & Geometry, Livestock production. Students must meet the 40% laboratory & fieldwork requirement. This course is designed to examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed for the student to learn about career opportunities, entry requirements, and industry standards in the field of animal systems.

AGRICULTURE MECHANICS & METAL TECHNOLOGIES (6104) Grade 10-12 Credit 1.0 Tier I Prerequisite: Principles of Agricultural, Food and Natural Resource. Agricultural Mechanics & Metal Technology is designed to introduce career opportunities in the agricultural power, structural, and technical systems. Skills to be developed include an understanding of agricultural mechanics as it relates to safety and skills in tool operation, and metalworking techniques. This course will include skills in welding and metal fabrication.

AGRICULTURE EQUIPMENT DESIGN AND FABRICATION (6102) Grade 11-12 Prerequisite: Agriculture Mechanics & Metal Technologies and/or Teacher Approval Credit 1.0 Tier I This course provides the knowledge and skills and technologies required for employment in metal technology systems. Students will develop knowledge related to career opportunities, requirements, and expectations as well as the development of workplace skills to prepare students for future success. In this course the students will learn the skills to use oxy-fuel cutting and welding equipment, shielded metal arc welding equipment, and plasma arc cutting equipment.

PRACTICUM IN AGRICULTURE (6112) Grade 12 Prerequisite: Agriculture Equipment Design and Fabrication and/or Teacher Approval Credit 2.0 Tier I This course immerses the student in the welding industry. Students plan, budget, acquire materials and build metal projects. Students also have the opportunity to participate in agriculture mechanics project shows.

ARCHITECTURE AND CONSTRUCTION

PRINCIPLES OF CONSTRUCTION (6124) Grade 9 Credit 1.0 Tier I This course provides skills training of the core tools of the building trades industries in carpentry, basic cement and brick masonry, and basic electrical and plumbing. Students will have the opportunity to earn the NCCER Construction Core certification.

CONSTRUCTION TECHNOLOGY (6121) Grade 10-11 Credit 1.0 Tier I This course is designed to provide job-specific training for entry level employment in the construction industry with a focus on carpentry, electrical and plumbing skills.

CONSTRUCTION TECHNOLOGY II (6122) Grade 11-12 Credit 1.0 Tier I Students use advanced knowledge of design techniques and tools related to the management of architectural and engineering projects. Students gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors, or prepare a foundation toward a postsecondary degree.

PRACTICUM IN CONSTRUCTION (6123) Grade 12 Credit 2.0 Tier I This is an occupationally specific course designed to provide classroom technical instruction or on- the-job training. Students gain advanced knowledge and skills specific to enter the workforce and/or prepare for a postsecondary degree in construction management, architecture, or engineering.

BUSINESS MARKETING, FINANCE AND SALES

PRINCIPLES OF BUSINESS MARKETING & FINANCE (0822) Grade 9 Credit 1.0 Tier I Students will gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

BANKING AND FINANCIAL SERVICES (0821) Grade 10 Credit 0.5 Tier I Students develop knowledge and skills in the economical, financial, technological, international, social, and ethical aspects of banking to become competent consumers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society. This course will require extensive research, a written business plan regarding banking procedures as to how those procedures relate to the students daily life. Oral presentations are required. **This is a 1 semester course.**

HUMAN RESOURCES MANAGEMENT (0832) Grade 10-12 Credit 0.5 Tier I Human Resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources. **This is a 1 semester course.**

SPORTS & ENTERTAINMENT MARKETING (0818) Grade 10-12 Credit 0.5 Tier I Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies. **This is a 1 semester course.**

ADVERTISING (0833) Grade 10-12 Credit 0.5 Tier I Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge. **This is a 1 semester course.**

PERSONAL FINANCIAL LITERACY (0421) Grade 11-12 Credit .5 Tier I Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. **This is a 1 semester course.**

BUSINESS LAW (0831) Grade 10-12 Credit 1.0 Tier I Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.

ENTREPRENEURSHIP (0819) Grade 10-11 Credit 1.0 Tier I Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired and the potential for profit.

CAREER DEVELOPMENT

PROJECT BASED RESEARCH (Probs 1 & 2) (0816) II (0815) Grade 10-12 Prerequisites: Teacher Approval Credit 1.0 Tier I Project Based Research is a project-based class that will require extensive research and the production of a written project. Teacher approval is required.

CAREER PREPARATION I & II (0823 & 0824) Grade 11-12 Credits 3.0 Tier I

Prerequisites: Application, Interview, and Instructor approval required. Students must be at least 16 years old. Hold a current, valid Texas Driver's License. Must have dependable transportation to and from Training Station Site. Must be employed at an Instructor approved Training Station on the first day of class.

In this work based program, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society, and to make a successful transition to the workforce and/or address real-world applications of emerging technologies. Students must maintain employment at an approved training station to continue in the work-based learning program, and students must provide their own transportation to their training station.

NURSING SCIENCE

PRINCIPLES OF HEALTH SCIENCE (2021) Grade 9-10 Credit 1.0 Tier I This course introduces students to the knowledge and skills related to patient care. Focus will be on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development.

HOSPITALITY AND TOURISM

INTRODUCTION TO CULINARY ARTS (0863) Grade 9-12 Credit 1.0 Tier I This course for those students interested in culinary careers includes classroom and lab opportunities to develop basic skills in food preparation, presentation, and service techniques. Student chefs will complete the safety and sanitation training required for certification and will operate an on-site restaurant for school employees.

CULINARY ARTS (0858) Grade 10-12 Credit 1.0 Tier I Culinary Arts begins with the fundamentals of cooking and the science of baking and includes management and production skills and techniques. The Culinary Arts program offers students hands-on experience with modern foodservice technology and equipment while offering students the opportunity to master classic cooking techniques, meet and learn from visiting guest chefs.

ADVANCED CULINARY ARTS (0862) Grades 11-12 Credit 1.0 Tier I *Prerequisite required: Culinary Arts 0858****** Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by infusing high-level, industry-driven content to prepare students for success in higher education, certifications and/or immediate employment.

PRACTICUM IN CULINARY ARTS (0860) Grade 12 Credit 1.0 Tier I This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual work experiences in culinary career-related fields.

OTHER ELECTIVES

PAL I (0733) Grade 11-12 Prerequisite: Selection/application process Credit 1.0 Tier I Peer assistance leadership is a group of selected juniors and seniors that are trained in group dynamics, active listening, self-actualization, team building, self-directed decision making and other mentoring skills. Students are required to meet selection criteria, attend a summer weekend training retreat and 6 weeks of classroom training before going to other campuses to mentor other peers.

PAL II (0734) Grade 12 Prerequisite: RE-selection/re-application process after satisfactory completion of PALS I Credit 1.0 Tier I Peer assistance leadership is a group of returning seniors that are trained in group dynamics, active listening, self-actualization, team building, self-directed decision making and other mentoring skills. Students are required to meet selection criteria, attend a summer weekend training retreat and 6 weeks of classroom training before going to other campuses to mentor other peers.

TEEN LEADERSHIP (0737) Grade 9-12 Credit 1.0 Tier I Teen Leadership is a course in which students develop leadership, professional, and business skills. Students learn to develop a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility.

INDEPENDENT STUDY Grade 11-12 Credit 0.5 Tier III

Independent Study gives the student an opportunity to select from a variety of online courses via Pearson Connexus. Courses are self-paced, so students must have strong time management and study skills in order to be successful. Available courses and their corresponding GPA weighting are shown in the table below (please note that grades received for online courses for the Class of 2022, and all subsequent classes, will be factored into GPA per SISD School Board Policy). Please see Connexus website for descriptions of each course.

*******If a student decides to drop the course after the 2nd week of school, a fee will be applied.**

Connexus Course	SHS Course	Credit	Tier
AP Art History A	AP Art History A	0.5	Tier III
AP Art History B	AP Art History B	0.5	Tier III
AP Human Geography A	AP Human Geography (Elective)	0.5	Tier III
AP Human Geography B	Special Topics in Social Studies	0.5	Tier III
AP Statistics A	AP Statistics A	0.5	Tier III
AP Statistics B	AP Statistics B	0.5	Tier III

***** See GPA Table in this catalog for the grade weighting information.**

INDEPENDENT STUDY DUAL CREDIT Grade 11-12 Credit 0.5-1.0 Tier III

Independent Study Dual Credit gives the student an opportunity to select from a variety of online courses via Austin Community College. Students must complete all required enrollment steps according to ACC guidelines and be TSIA2 ready in areas needed for chosen courses. Any fees or charges other than the \$150 tuition charge are the responsibility of the student.

ACC limits the number of tuition vouchers for students to 12 (8 vouchers are used for SHS classroom sections). Every effort must be made to take courses shown with an (*) in the SHS classroom section before online sections are considered. Please see ACC's website for a list of available courses, their requirements, and their start dates. Courses shown in the table below will receive high school credit and be reflected on the student's high school transcript. Courses not on the table below must be evaluated by the principal to determine if they will receive high school credit or not.

ACC Course	SHS Course	Credit	Tier
*ENGL 1301	English 3A or 4A	0.5	Tier III
*ENGL 1302	English 3B or 4B	0.5	Tier III
*ENGL 2322	English 4	1.0	Tier III
MATH 1314	Algebraic Reasoning	1.0	Tier III
*HIST 1301	US History A	0.5	Tier III
*HIST 1302	US History B	0.5	Tier III

*ECON 2301	Economics	0.5	Tier III
*GOVT 2305	US Government	0.5	Tier III
SOCI 1301	Sociology	0.5	Tier III
GOVT 2306	Special Topics in Social Studies	0.5	Tier III
HUMA 1301	Humanities (1 st time)	1.0	Tier III
HUMA 1302	Humanities (2 nd time)	1.0	Tier III
SPAN 1411	Spanish I	1.0	Tier III
SPAN 1412	Spanish II	1.0	Tier III
SPAN 2311	Spanish III	1.0	Tier III
DRAM 1310	Theatre Arts I	1.0	Tier III
*SPCH 1311 or 1315	Public Speaking I	0.5	Tier III
ARTS 1301	Art Appreciation	1.0	Tier III
EDUC 1300	College Readiness and Study Skills	0.5	Tier III

***** See GPA Table in this catalog for the grade weighting information.**

Resources used for completion of Course Catalog: www.tea.state.tx.us; www.esc13.net; www.ltidschools.org