

**BRAZOS HIGH SCHOOL
COURSE SELECTION
CATALOG**

2026-2027



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HIGH SCHOOL OVERVIEW

This guide is designed to help you select courses that you will take in high school. All programs have been developed with the philosophy that excellence in education is equally important for all students. The programs are designed to allow each student, regardless of interest or ability, to pursue a course of study that is appropriate to meet present and future needs.

Your high school education, whether you are preparing for work or college, is influenced by your selection of courses and by the application of your abilities. A major part of your school work consists of fundamentals that you will need all of your life.

Gaining admission to college is competitive. Although colleges vary greatly in their specific entrance requirements, admission is based on the applicant's rank in class, the types of courses taken, test scores, participation in activities, and recommendations from teachers and counselors. In order to do effective work in college, it is essential that all students have the following academic competencies: reading, writing, speaking and listening, mathematics, reasoning and study skills.

Students who are planning to enter the world of work immediately after graduation should realize that today's job market is very competitive. In order to gain employment and remain employed, all students need academic competencies in reading, writing, speaking and listening, mathematics, reasoning, and study skills, as well as technical and mechanical skills.

Please use this catalog as a source of information and as an aid in preparing your school program. Your counselor will answer any questions that you may have about a particular area or help you gather information that is not currently available in this guide.

GRADUATION REQUIREMENTS

Under House Bill 5, students can graduate under the Foundation Graduation plan, Foundation Plan with an Endorsement or Foundation Plan with Distinguished Level of Achievement.

In accordance with Brazos ISD Policy EIF(Local), to graduate, a student must complete the courses required by the District in addition to those mandated by the state.

The District requires completion of 4 credits in addition to the number required by the state for graduation under the foundation program without an endorsement. Graduation under the foundation program without an endorsement shall be permitted on a case-by-case basis and only as authorized under state law and rules.

For more information on graduation requirements please view the [TEA Graduation Toolkit 2025](#).

CREDIT REQUIREMENTS FOR GRADUATION

	Foundation High School Plan w/o Endorsement 26 Credits * see below for more information	Foundation High School Plan Endorsement + CTE Program (26 Credits)
English	English 1 English 2 English 3 English 4	English 1 English 2 English 3 English 4
Math	Algebra 1 Geometry Third Math Credit	Algebra 1 Geometry Advanced Math Credit Advanced Math Credit
Science	Biology IPC/Chemistry/Physics 3rd Science Credit	Biology IPC / Chemistry Advanced Science Class Advanced Science Class
Social Studies	World Geography or World History US History Government .5 /Economics .5 26-27 Entering Freshman and beyond World Geography or World History US History Government.5/Economics and Personal Financial Literacy .5	World Geography or World History US History Government .5/Economics .5 26-27 Entering Freshman and beyond World Geography or World History US History Government.5/Economics and Personal Financial Literacy .5
LOTE	2 Credits (same language)	2 Credits (same language)
Fine Art	1 credit	1 credit
PE	1 credit	1 credit
CTE	4 credits (4 of which are within the same CTE Program of Study)	4 credits (4 of which are within the same CTE Program of Study)
Electives	5 credits	2 credits
Total Credits	26	26

* A student may graduate under the Foundation High School Program without earning an endorsement if, after the student's sophomore year:

- (1) the student and the student's parent or person standing in parental relation to the student are advised by a school counselor of the specific benefits of graduating from high school with one or more endorsements; and
- (2) the student's parent or person standing in parental relation to the student files with a school counselor written permission, on a form adopted by the TEA, allowing the student to graduate under the Foundation High School Program without earning an endorsement.

ENDORSEMENTS

Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area. Students must select an endorsement* in the ninth grade. Students earn an endorsement by completing the curriculum requirements for the endorsement, including 4th credit of math and science and 2 additional elective credits.

Endorsements	A student may earn an endorsement by successfully completing curriculum requirements for the endorsement, including a total of four credits in mathematics, a total of four credits in science and two additional elective credits
STEM	A coherent sequence or series of courses selected from one of the following: CTE courses with a final course from the STEM career cluster. Or 5 credits in Mathematics (ALG2 and 2 advanced Maths Required) or 5 credits in Science or A combination of no more than two of the categories listed: Combo Platter - a coherent sequence of 3 courses (in addition to Algebra 2, Chemistry and Physics) from no more than 2 of the above categories - you can do a little mixing and matching here.
Business and Industry	There are four ways to earn a Business and Industry Endorsement. 1. CTE - a coherent sequence of 4 or more credits in CTE where at least 2 courses are in same Career Cluster, including one Advanced; And the final course in the sequence needs to be from one of the Business and Industry Career Clusters in order to earn a Business and Industry Endorsement. Again, the final course is critical! 2. English - four English electives (Public Speaking, Debate, Newspaper, Yearbook etc. 3. Tech Apps - four Tech Apps courses that are not Computer Science like Web Design, Digital Design and Media Production, Digital Video and Audio Design - more the business type courses. 4. Combo Platter - a coherent sequence of four credits from 1, 2 or 3 above. So you can mix some CTE and English or some Tech Apps and CTE etc.
Arts and Humanities	Arts and Humanities - There are four ways to earn an Arts and Humanities Endorsement: 1. Social Studies - five social studies credits 2.. Languages - four years of the same language other than English 3.. Fine Arts - a coherent sequence of four credits of Fine Arts from one (Band 1-4) or two disciplines (Band 1-2, Theater 1-2) 4. English - four English elective credits.
Multidisciplinary Studies	Multidisciplinary - There are three ways to earn a Multidisciplinary Endorsement. 1. Classic 4X4 - four credits in the four foundation subjects to include English 4 and Chemistry and/or Physics. 2. AP and/or Dual Credit - four credits in AP or Dual credit selected from English, Math, Science, Social Studies, Economics, LOTE and Fine Arts 3. Advanced Four advanced courses from one or more of the above Endorsements not in a coherent sequence.
Distinguished Level of Achievement *	A total of four credits in math, including credit in Algebra II, A total of four credits in science and completion of curriculum requirements for at least one endorsement * Required for all Top 10% to be eligible for automatic admission.
Performance Acknowledgments	For outstanding performance in a dual credit course in bilingualism and biliteracy on an AP test or IB exam on the PSAT, the ACT-Plan, the SAT, or the ACT For earning a nationally or internationally recognized business or industry certification or license

FOUNDATION PLAN ADVANCED COURSE OFFERINGS

ADVANCED ENGLISH LANGUAGE ARTS	
English 4	Dual Credit English*
ADVANCED MATHEMATICS THIRD CREDIT ONLY	
Financial Mathematics	Mathematical Models
ADVANCED MATHEMATICS THIRD AND FOURTH CREDIT ONLY	
Algebra II	Precalculus
AP Statistics	Dual Credit Math*
Statistics and Business Decision Making	AP Calculus
AP Computer Science A	
SCIENCE SECOND CREDIT	
Integrated Physics and Chemistry (IPC)	Chemistry
SCIENCE THIRD AND FOURTH CREDIT	
Chemistry	Advanced Animal Science
Environmental Systems	Advanced Plant and Soil Science
Anatomy and Physiology	Forensic Science
Dual Credit Science*	Physics

- See [DUAL CREDIT COURSES](#) regarding Dual Credit Courses that count as core courses and multipliers

REQUIRED NOTIFICATION REGARDING ALGEBRA II AS A HIGH SCHOOL GRADUATION REQUIREMENT

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

A student is eligible for automatic admission to a Texas public college or university as an undergraduate student if the student earned a grade point average in the **top 10 percent** of the student's high school graduating class or in the percentage of qualified applicants that are anticipated to be offered admission to The University of Texas at Austin*, and the applicant—

- successfully completed the requirements for the distinguished level of achievement under the foundation high school program at a public high school; or

- satisfied ACT's College Readiness Benchmarks on the ACT assessment or earned on the SAT assessment a score of at least 1,500 out of 2,400 or the equivalent.

A student may not earn the distinguished level of achievement or be eligible for automatic admission to a Texas public college or university as an undergraduate student if the student does not successfully complete high school Algebra II.

There are several state financial aid programs available for certain Texas public high school students. Certain state financial aid programs include curriculum requirements that should be considered when planning a student's high school career to ensure eligibility for financial aid under one of these programs. Please note that this is not a complete list of requirements and additional eligibility requirements apply. A full list of requirements is available through the Texas Higher Education Coordinating Board's (THECB) financial aid webpage at

<http://www.collegeforalltexans.com/apps/financialaid/tofa.cfm?Kind=GS>

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

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

ADDITIONAL GRADUATION REQUIREMENTS

Financial Aid Application

In 2019, the 86th Texas Legislature established a new financial aid application graduation requirement. Students enrolled in 12th grade must do one of the following in order to graduate:

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

Senate Bill 30 Community Safety Education Act

Senate Bill (SB) 30, also known as The Community Safety Education Act, requires the State Board of Education (SBOE) to adopt rules to include the instruction developed under [TEC, §28.012](#), in one or more courses in the required curriculum for students in grades 9-12. The SBOE adopted a new rule in Title 19 of the [Texas Administrative Code \(TAC\), §74.39, Requirements for Instruction on Proper Interaction with Peace Officers](#), that became effective August 27, 2018. This rule requires school districts and charter schools to provide instruction to students in grades 9-12 on proper interaction with peace officers during traffic stops and other in-person encounters.

Speech

The state requires that students demonstrate proficiency in speech skills. Beginning with the Class of 2025, students meet this requirement through the successful completion of their English I and English II courses.

CPR

Since June 14, 2013, the state has required a course be completed at least once in grades 7 – 12. Training must include CPR with hands-on practice. First Aid and AED training are NOT required and training does not need to result in certification.

END-of-COURSE (EOC)

To graduate from a Texas public high school, students must complete the required credits needed to satisfy the Foundation High School Program requirements and pass EOC exams for English I, English II, Biology, Algebra I, and U.S. History. A student who fails no more than two of the required EOCs can still receive a diploma if they qualify to graduate as a result of an individual graduation committee (IGC) review.

Starting with the 2023-2024 school year, House Bill 1416 requires that students who do not pass a STAAR test receive a minimum of 15-30 hours of support before attempting their next test.

CLASSIFICATION OF STUDENTS

After the ninth grade, students are classified according to the number of credits earned toward graduation. Classification determines which class meeting a student attends and activities in which he or she may participate. A student is classified according to the number of credits successfully completed and **classification is decided by the number of credits on file at the beginning of each school year**. Refer to the following chart to determine classification.

GRADE-LEVEL CLASSIFICATION

4.5 Credits or less	Grade 9	Freshman
5-9.5 Credits	Grade 10	Sophomore
10-14.5 Credits	Grade 11	Junior
15 or more Credits	Grade 12	Senior

GRADING SYSTEM

In grades 9 – 12, achievement is recorded and reported via numerical grades which correspond to the following letter grades as designated below:

A	=90 – 100
B	=80 – 89
C	=70 – 79
F	=Below 70

COURSE CREDIT

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

CREDIT RECOVERY

Credit recovery will provide opportunities for all high school students to make up any course required for graduation. Students eligible for credit recovery will be enrolled in order to avoid retention and ensure they stay on track to meet their academic goals. If you have questions about the credit recovery process, please reach out to your student's campus counselor for more details. All **eligible** credit recovery courses will be calculated into class rank and GPA. The grade earned from a credit recovery course is averaged in along with the original failing grade.

CREDIT BY EXAM 9-12 GRADERS

Alternative Assessments for Credit By Exam include Advanced Placement (AP), College Level Examination Program (CLEP) and board approved Credit By Exams. Students who earn a passing score on the assessment, based on the conversion tables below, will receive credit.

Scores will be recorded on the transcript but will not be calculated into the GPA.

AP Score 3=90
AP Score 4=95
AP Score 5=100

CLEP Score 50-59 - grade 85
CLEP Score 60-69 = grade 90
CLEP Score 70-79 = grade 95
CLEP Score 80 and up= 100

Other criterion-referenced examination approved by the board:

If the student meets the score requirements for a course, the scores **must** be recorded as the grade on the student’s transcript, but not calculated into the GPA

With Prior Instruction (minimum standard: 70)

Without Prior Instruction (minimum standard: 80).

Please see [testing information page](#) for more information.

Potential NCAA athletes should be aware that CLEP and CBE courses can affect their eligibility. Credit by Exam is **not** NCAA approved. Please see the NCAA and/or College Board website for more information.

CLASS RANK, GRADE POINT AVERAGE, AND WEIGHTED GRADES

Beginning with the graduating class of 2019, the District shall include in the calculation of grade point average (GPA) and class rank semester grades earned in **eligible** high school credit courses taken at any grade level, in the following subject areas only: English, mathematics, science, social studies, and languages other than English. The District shall also include semester grades earned in high school credit courses in these subjects in grades 9–12 at an accredited school that is not a District school. Refer to course descriptions to see courses eligible for GPA.

Please refer to our Policy EIC(LOCAL) on the district site.

Please be advised that if a student transfers into BISD with high school credit(s), their GPA and rank will be calculated based on the equivalent course and weight used in Brazos. We cannot adopt weights or offer weighted credit for courses that BISD students do not have the opportunity to receive.

WEIGHTED GRADE SYSTEM

The District shall categorize and weight eligible courses as AP/Dual Credit, Honors, and Regular in accordance with provisions of [BISD Board Policy EIC](#) Local and as designated in appropriate District publications.

The District shall assign weights to semester grades, including failing grades, earned in eligible courses and shall calculate a weighted numerical grade average in accordance with the following:

Category	Weight
AP/Dual Credit	Multiplied by 1.1
Honors	Multiplied by 1.05
Regular	Multiplied by 1.0

***** Weights are subject to change based on TEA Legislation to be announced in the Spring of 2026.**

TOP TEN PERCENT RULE

In order to qualify for automatic college admission under the Foundation High School Program, a student must be ranked in the top 10% of the graduating class at the time of application and earn the Distinguished Level of Achievement or earn a satisfactory performance on the ACT or SAT determined by the university.

Students must make certain that they also submit an application to the Texas public university for admission before the institution's deadline. This ruling applies only to admission; students are not guaranteed acceptance into their desired choice of major. Keep in mind that most students will apply to college during the fall semester of their senior year. Therefore, the ranking that will be seen when applying is determined after the second semester of the junior year.

Exemption to the Top Ten Percent Rule = TEC (51.803) changes the Top Ten Percent Rule as it applies to the **University of Texas at Austin ONLY**. Each fall, UT-Austin must notify secondary schools of its intentions for the coming school year

EARLY GRADUATION

See your counselor for further information about possibly graduating early.

House Bill 8, 88th Texas Legislature, Regular Session, 2023, establishes that a school district is **required**, rather than permitted, to issue a high school diploma under the Texas First Early High School Completion Program if the student demonstrates mastery of and early readiness for college in accordance with Texas Higher Education Coordinating (THECB) board rules.

In addition to existing options and beginning February 10, 2024, high school students interested in early graduation through the Texas First Early High School Completion Program will be able to demonstrate mastery in languages other than English (LOTE) using the Foreign Language Achievement Testing Service (FLATS), an online test administered through Brigham Young University. Detailed information about the FLATS assessment can be accessed on the FLATS Testing website.

Effective September 1, 2023, the list of institutions that can award the Texas First Scholarship was expanded to include all Texas public institutions of higher education. Students who graduate with the Texas First Diploma may now use the Texas First Scholarship award at any Texas public college or university to which they have been admitted.

DUAL CREDIT

Dual credit classes are college courses that high school students can enroll in and earn college credits while satisfying high school graduation requirements. House Bill 5 allows students to earn dual credit at any time during their high school years.

Colleges grade on a different scale from Brazos High School. Please refer to the college's course catalog or the professor's syllabus for grading guidelines. High School credit will be awarded upon successful completion of college courses with a minimum grade of C or 70. Dual Credit classes that factor into GPA are weighted with a multiplier of 1.10. Please consult with the counselor about dual credit crosswalks to match high school coursework and academic requirements with your dual credit course requirements. Also, parents and students will be required to sign a contract abiding by the conditions of taking dual-credit courses through Brazos ISD that discusses course offerings, payment procedures, and academic requirements.

Dual Credit college courses are available to Brazos High School students through Wharton County Junior College and Texas State Technical College. In order to take academic classes at any public college or university in Texas, students must have either taken or be exempt from the Texas Success Initiative (TSI) Assessment or a state approved alternate test. Students do not have to be TSI compliant to take classes at TSTC.

Brazos High School students will register for full semester dual credit courses. Enrollment in mini- mester, summer courses, or compressed eight-week dual credit courses is not allowed. Students are responsible for payment of dual credit tuition and fees

WCJC dual credit courses:

Tuition and fee prices are subject to change by our partnering college. Brazos ISD, as of the 2025-2026 school year, may pay for one dual credit course per student per semester pending approval of funding on a year-to-year basis.

If a student drops a class that Brazos ISD has paid for after the drop date for no fee they are responsible for the cost of the course. BISSD will inform the student and parent of the cost of the class.

If a student fails to pass a dual credit class they may only enroll in a future dual credit course with approval by campus administration.

TSTC dual credit courses:

Brazos ISD will pay for one dual credit course a semester at TSTC per student throughout high school pending approval of funding on a year-to-year basis.

If a student drops a class after the drop date they are responsible for the cost of the course or if a student fails to pass a class that is paid for by the district, they forfeit the right to have classes paid for in the future.

Dual Credit: Withdrawing, Dropping or Failing

Prior to withdrawing from a college course, it is the student's responsibility to first discuss this matter with his/her high school counselor to determine if college course retention is possible and if class placement is available in the corresponding academic course.

At any time during the first three weeks of the Brazos High School semester, a student may exit a dual credit course in which he/she is enrolled and move to an academic course of the same type (e.g., exit U.S. History Dual Credit and enroll in U.S. History), provided there is space available in the desired course along with teacher conference, parent permission, and administrator approval. The student will be responsible for making up all missed work. Students should be aware that some Dual Credit Course start dates are later than the start date of high school classes.

If a student drops a dual credit course between the progress report period and the end of the first grading period, the student will be enrolled into the equivalent high school course and a 70 will be entered into the grade book as the first six weeks grade. If no high school course is available the student will enter a study hall course with a pass

After the first BHS grading period of each semester, if a student drops a class per college policies, they will receive a **60** on their transcript and be enrolled in credit recovery.

Dual Credit Failing Grades: All Dual Credit failing grades will be entered on the student transcripts. Any student who fails a dual credit course will be placed in credit recovery or enrolled in the appropriate high school course.

EXIT GUIDELINES FOR HONORS/AP COURSES

Students may exit from an Honors/AP course at the end of the semester. Please be aware that in order for the semester grades in a two-semester course to be awarded a weight other than Regular weight, the student must complete both semesters of the course as per EIC (Local). Before a student can exit from an Honors course, they must conference with the teacher and complete course assignments and/or attend recommended tutorials. The petition may or may not be granted depending on input from teacher, student performance and availability of space in other courses. Please note: exiting from an Honors course may cause you to have to exit other Honors courses because of scheduling.

COLLEGE READINESS

PSAT / NMSQT

(Preliminary SAT and National Merit Scholarship Qualifying Test)

Offered to students in grades 9-11. The PSAT is administered during the month of October under guidelines of the College Board. It is a standardized test that provides first hand practice for the SAT. Junior students are eligible for recognition and scholarships within the National Merit Program. It also provides college information and career tools for the students to use in post- secondary plans. Brazos ISD covers the cost of the PSAT test.

Texas Success Initiative Assessment (TSIA2)

Required of all students planning to take college classes, including Dual Credit courses offered at Brazos High School. The test is designed to assess college readiness in four areas: reading, writing, math, and essay composition. See [Dual Credit Course](#) offerings for prerequisites.

TSIA2 Exemptions = There are certain scores that can exempt students from having to participate in the Texas Success Initiative Assessment. Those exemptions are listed below:

- SAT – Mathematics=530, Critical Reading= 480, Combined Score=1010
- ACT – Mathematics=19, English=19, Composite=23

SAT Reasoning Test

The College Board made content, format, and scoring changes to the SAT in 2016. The redesigned SAT test prioritizes content that reflects the kind of reading and math students will encounter in college and their future work lives.

Students should plan in advance when taking this test as only a few testing dates are established each school year. Registration can be completed online at www.collegeboard.org

Brazos ISD participates in the College Board School Day SAT, typically in March-April. Brazos ISD covers the cost for all juniors to take the SAT during the selected school day, as well as seniors at request.

ACT

The test assesses general educational development in the areas of English, math, reading, and science. The writing portion is available for an extra charge, but is not required. The highest possible score is a

36. Again, students should plan in advance as only a few testing dates are available each school year.

Registration can be completed online at www.actstudent.org.

It is highly recommended that students take either the SAT or ACT test during the JUNIOR year of high school. Brazos ISD offers the School Day SAT for all juniors during the spring semester and covers the cost of the exam.

DUAL ENROLLEMENT COURSES: *Tarleton Today*

Tarleton Today is a dual enrollment program. Through dual enrollment, students have the opportunity to earn college credit while earning high school credit. This allows students to save time and money, while also receiving the rigor of college content inside their high school classroom.

All students enrolled in Algebra 2 Honors and Pre-Calculus have the opportunity to receive both high school and college credit. Both Algebra 2 H and Pre-Calculus will be taught by Brazos High School Staff in a face to face class. The classes will still teach all TEKS and follow the regular high school curriculum. Students will complete additional online assignments through Tarleton State University faculty, which will allow students to earn college credit. Throughout the course students will be maintaining two separate grades for the high school and college course. Students will receive a high school grade from Brazos High School and any college credit will be transcribed through Tarleton State University. Students have the option to opt out of the college portion of this class and only receive high school credit. This can be done initially, or at any point through the completion of the course. Students have the option to opt out of college credit through May.

The cost to high school students is \$50 per semester credit hour. Students eligible for free and reduced lunch will receive reduced course fees. While participating in Tarleton Today course students are held to the same rules and regulations as Tarleton students and should be prepared to be challenged through rigorous, college level content. If funds are available Brazos ISD will cover the cost of tuition.

CTE PROGRAMS OF STUDY

Programs of study are course sequences that prepare students with the knowledge and skills necessary for success in their chosen career. These sequences embed relevant, real-world experiences and culminate in a postsecondary credential that will prepare students for a high-wage, high-skill, in-demand career. The courses contained within statewide and regional programs of study are determined by the Texas Education Agency (TEA) per the Strengthening Career and Technical Education for the 21st Century Act (Perkins V).

Students will be placed in at least one CTE program of study between freshmen and senior year.

- A student entering 9th grade must indicate a program of study they plan to follow.
- A student may change or add a program of study any time prior to senior year, as long as they are able to acquire 4 courses within that program by graduation.
- To earn CCMR completer status a student must complete 4 credits in one program of study with at least a level 3 or 4 course and earn an IBC in the program of study.

	Animal Science	Plant Science
Level 1	Principles of Agriculture	Principles of Agriculture
Level 2	Small Animal Management/ Equine Science	Turf Grass Mang./Landscape Design
Level 3	Livestock Production	Horticulture Science and/or Floral Design
Level 4	Advanced Animal Science and or Practicum in Ag	Advanced Plant & Soil
IBC	Elanco Fundamentals of Animal Science Certification	BASF Plant Science Certification
	Agricultural Technology & Mechanical Systems	Business Management
Level 1	Principles of Agriculture	Foundations of Business Communication and Technologies (BIM)
Level 2	Agricultural Mechanics and Metal Technologies	Business Communication and Technologies (BIM2)
Level 3	Agricultural Structures Design and Fabrication	Business Management
Level 4	Agricultural Equipment Design and Fabrication	Statistics and Business Decision Making and/or Career Prep
IBC	AWS D1.1 Structural Steel/AWS D9.1 Sheet Metal Welding	Microsoft Office Specialist: Expert
	Graphic Design and Interactive Media	Entrepreneurship
Level 1	Digital Media	Foundations of Business Communication and Technologies (BIM)
Level 2	Graphic Design and Illustration I	Entrepreneurship I
Level 3	Graphic Design and Illustration II	Entrepreneurship II
Level 4	Career Preparation for Programs of Study	Statistics and Business Decision Making and/or Career Preparation for Programs of Study
IBC	Adobe Certified Professional	IBC: Entrepreneurship and Small Business

DUAL CREDIT CORE COURSES- Wharton County Junior College

Dual credit allows you to earn college credit while in high school. The following courses are offered in partnership with WCJC. Our dual credit courses will be completed online at Brazos High School. Some courses may require additional work to be completed at WCJC or through internship hours.

The courses listed below will count towards Class Rank and GPA.

WCJC Course	BHS Course	HS Credit	Prerequisites	Grade Level
ENGL 1301 Composition I	English III or IV #1313	1	TSIA2 RDG/WR	11,12
ENGL 1302 Composition II	English IV #1414	1	TSIA2 RDG/WR ENG 1302	11,12
HIST 1302 U.S. History II	US History #4109	1	TSIA2 RDG/WR	10,11,12
GOVT 2305 Federal Govt.	US Government #4135	0.5	TSIA2 RDG/WR	12
ECON 2301 Principles of Macroeconomics	Economics #4145	0.5	TSI2 RDG/WR & MTH	12
PSYC 2301 General Psychology	Psychology #4205	.5	TSIA2 RDG/WR	11,12
SOCI 1301 Intro. to Sociology	Sociology #4215	.5	TSIA2 RDG/WR	10,11,12
MATH 1314 College Algebra	Ind. Study in Mathematics I #3700	1	TSIA2 MATH	11,12
MATH 2413 Calculus I	Calculus (Ind. Study in Math II) 3407	.5	MATH 1314 & MATH 1316	12
MATH 1324 Math. For Business & Social Sciences	Advanced Quantitative Reasoning	1	TSIA2 MATH	11,12
MATH 1325 Calculus for Business & Social Sciences	Elements of Calculus with Applications	1	MATH 1314 or MATH 1324	11,12
MATH 1342 Elem Statistical Models	Statistics STATS	1	TSIA2 MATH	12
BUSI 2305 Business Statistics	Statistics and Business Decision Making STATBDM	1	MATH1342 or MATH1314 & BCIS 1305	11
BIOL 1406 General Biology I	Special Topics in Science #2201	1	TSIA2 RDG/WR BIOL 1406	12
BIOL 1407 General Biology II	Special Topics in Science II #2206	1	TSIA2 RDG/WR	12
SPAN 1411 Beginning Spanish I	Spanish III Honors #5521	1	None	11,12
SPAN 1412 Beginning Spanish II	Spanish IV Honors #5522	1	SPAN 1411	11,12

DUAL CREDIT ELECTIVES-Wharton County Junior College

Note that these courses will count for **elective credit ONLY** and cannot replace a course required for graduation *(unless indicated below as a specific BHS credit). The benefit of taking one of these courses may be that it is needed for your college degree. These college-level courses are offered through Wharton County Junior College.

The courses below will not be calculated into Class Rank and GPA.

WCJC Course	BHS Course	HS CREDIT	Prerequisites	Grade Level
ACCT 2301 Principles. Of Financial Acct.	Accounting I	0.5	TSI ELAR & MATH	12
ACCT 2302 Principles. Of Manage. Acct.	Accounting II	0.5	ACCT 2301	12
BIOL 1322	Intro to Nutrition Local Credit	1	TSI ELAR	11,12
BCIS 1305 Business Comp. App.	Business Communication and Technologies BUSICT	1	NONE	10,11,12
BUSI 1301 Business Principles	Principles of Business, Marketing, and Finance PRINBMF	1	TSI ELAR	11,12
BUSI 2301 Business Law	Business Law BUSLAW	1	TSI ELAR	12
CHEM 1411	Specialized Topics in Science	1	TSI ELAR & MATH 1314, HS Chem	11,12
COSC 1436 Programming Fundamentals I	Computer Science I TACS1	1	TSI ELAR & MATH	11,12
COSC 1437 Programming Fundamentals II	Computer Science II TACS2	1	COSC 1436	11,12
COSC 2436 Programming Fundamentals III	Computer Science III TACS3	1	COSC 1437	12
COSC 2425 Computer Organization	Ind. Study In Tech Applications (1st Time Taken) TAIND1	1	COSC 1436	12
ECON 2302 Principles of Microeconomics	Economics Adv. Studies (2nd Time Taken) ECO ADV 2	0.5	TSI ELAR & MATH	12
EDUC 1301 Intro to Teaching Profession	Principles of Education and Training PRINEDTR	1	TSI ELAR & MATH	11, 12
EDUC 2301 Intro to Special Populations	Instructional Practices INPRAC	2	TSI ELAR & MATH, EDUC 1301	12
ENGL 2327 American Literature I	Ind. Study in English #1415	.5	ENGL 1302	12
GOVT 2306 Texas Government	Special Topics SS II New	.5	TSIA2 RDG	12
HIST 1301 U.S. History I	SS Advanced 1 st time #4148	.5	TSIA2 RDG/WR	10,11,12
HUMA 1301 Intro. to Humanities I	Human IT #1425	.5	TSIA2 RDG/WR	12
MATH 1316 Plane Trigonometry	Independent study Math III #3702	1	TSIA2 MATH	11,12
MATH 2414 Calculus II		.5	MATH 2413	12
MUSI 1310 American Music*	Am Music #5180 *BHS Fine Arts Credit	1	NONE	9,10,11,12
PHED 1304 Personal/Community Health	Academic PE #6230	1	TSIA2 RDG/WR	10,11,12
PHED 1164 Intro <u>Phy.</u> Fitness & Wellness	Academic PE #8036 PRINEXER	1	NONE	10,11,12
PSYC 1300 Learning Framework	Special Topics in Social Studies (1 st) time taken) #4510	.5	TSIA2 RDG/WR	10,11,12
PSYC 2314 Life Span Growth & Dev.	Special Topics in Social Studies (2 nd time taken)	.5	TSIA2 RDG/WR	12
SPCH 1315 Public Speaking	Professional Communications/Speech #1523	0.5	NONE	9,10,11,12
SOCI 2301 Marriage & Family	Social Studies Research Methods (1 st Time Taken)	0.5	TSI ELAR & MATH	12
TECA 1311 Intro to Special Populations	Instructional Practices INPRAC	0.5	TSI ELAR	11,12
TECA 1354 Child Growth & Dev.	Child Development CHLDDEV	1	TSI ELAR & MATH	10,11,12

WHARTON COUNTY JUNIOR COLLEGE CERTIFICATE PROGRAMS

The following courses are designed to prepare students for earning a Level 1 or 2 Certificate from Wharton County Junior College. Additional courses may be required after graduation to complete the certificate. **The dual credit courses listed below do not count in GPA for class rank.**

WCJC Course	BHS Course	College Credit	HS Credit	HS PEIMS	Prerequisites	Grade Level
Payroll Specialist						
<i>Sem. I</i> : ACNT 1303 Intro to Acct.	Intro to Accounting #7150	3	1	13016600	None	11,12
POFI 1301 Computer Appl. 1	Computer Science I New	3	1	03580200	None	11,12
POFT 1321: Business Math	Financial Analysis	3	1	13016800	None	11,12
<i>Sem. II</i> : ACNT 1411: Com Accounting	Accounting II #7152	3	1	13016700	ACNT 1303	11,12
ACNT 1429: Payroll Business Tax	Business Tax	3	1		ACNT 1303	11,12
Early Childhood Level I						
<i>Fall</i> CDEC 1313: Curriculum Resources	Prin. Education and Training	3	1	13014200	None	11,12
<i>Spring</i> TECA 1318: Wellness of the Young Child	Child Development	3	1	13024700	Background Check	12
<i>Senior Year: Fall</i> CDEC1319: Child Guidance	Child Guidance	3	2	13024800	None	11,12
CDEC 1356: Emergent Literacy for Early Childhood	Ind. Study in English	3	0.5	03221800	None	11,12
<i>Spring</i> : CDEC 2326: Admin of Programs for Children	Instructional Practices	3	2	13014400	GPA 2.0 or higher	12
Health Data Analyst						
HITT 1305 Med Terminology	Medical Terminology #9750	3	1	13020300	None	11,12
HITT 1345 Health Care Delivery	Principles of Health Science #9751	3	1	13020200	None	11,12
HITT 1301 Health Data Content/Structure	Health Informatics	3	1	13020960	None	11,12
HITT 1353 Legal and Ethical Aspects (Spring Course only)	Health Science Theory	3	1	13020400	HITT 1301	12

WCJC ASSOCIATE OF ARTS DEGREE

This is a recommended academic map for students who seek an Associate of Arts degree with a concentration in Art or plan to pursue a baccalaureate degree in Art at a four-year institution of higher education in Texas. Students planning to transfer to a four-year institution should confirm transferability of courses to meet degree requirements from the institution to which they plan to attend.

This following schedule of course offerings is subject to change depending on WCJC semester offerings.

9th Grade (6 SCH) 3 each semester

MUSI 1310 American Music (Core 050)

SPCH 1315 Public Speaking (Core 090)

10th Grade (12 SCH) 6 each semester

PSYC 1300 Learning Framework (Core 090)

HIST 1301 U.S. History I (Core 060)

PHED 1304 Personal/Community Health (Core 080)

HIST 1302 U.S. History II (Core 060)

11th Grade (18 SCH) 9 each semester

ENGL 1301 Composition I (Core 010)

MATH 1314 College Algebra (Core 020) *OR* MATH 1324 Math. For Business and Social Sciences (Core 020)

PSYC 2301 General Psychology (Elective)

ENGL 1302 Composition II (Core 010)

MATH 1316 Trigonometry (elective) *OR* MATH 1325 Calculus for Business and Social Sciences

SOCI 1301 Intro. to Sociology (Elective)

12th Grade (24 SCH) 12 each semester

ENGL 2327 American Literature I (Core 040)

BIOL 1406 General Biology I (Core 030)

GOVT 2305 Federal Government (Core 070)

ECON 2301 Principles of Macroeconomics (Core 080) *OR* PSYC 2314 Lifespan Growth and Development (Elective)

HUMA 1301 Intro. to Humanities (Elective)

BIOL 1407 General Biology II (Core 030)

GOVT 2306 Texas Government (Core 070)

PHED 1164 Intro. to Physical Fitness and Wellness

WCJC ELEMENTARY EDUCATION CORE/AA DEGREE PLAN

This is a recommended academic map for students who are pursuing transfer to a university to complete teacher certification in Elementary Education EC-6. This degree by itself does not meet the requirements for teacher certification; rather, it provides lower division course requirements. Students should confirm transferability of courses to meet specific degree requirements from the institution to which they plan to attend and seek academic advising in the first semester enrolled.

This following schedule of course offerings is subject to change depending on WCJC semester offerings.

9th Grade (3 SCH)

SPRING:

MUSI 1310 American Music

10th Grade (12 SCH) 6 each semester

FALL:

SPCH 1315 Public Speaking

PSYC 2301 General Psychology

SPRING:

PHED 1304 Personal/Community Health

TECA 1354 Child Growth and Development

11th Grade (26 SCH) 13 each semester

FALL:

BIOL 1406 General Biology I

ENGL 1301 Composition I

HIST 1301- US History

EDUC 1301 Intro. To Teaching Profession

SPRING:

BIOL 1407- General Biology II

ENGL 1302 Composition II

HIST 1302 US History II

TECA 1311- Education of Young Children

12th Grade (21 SCH)

FALL

ENGL 2327 American Literature I

GOVT 2305 Federal Government

MATH 1314 College Algebra

EDUC 2301 Intro to Special Populations

SPRING

GOVT 2306 Texas Government

MATH 1342 Elementary Statistical Models

HIST 2301 Texas History **or**

SOCI 2301 Marriage & Family

WCJC COMPUTER SCIENCE CORE/AA DEGREE PLAN PATHWAY

This is a recommended academic map for students who seek an Associate of Science degree with a concentration in Computer Science or plan to pursue a baccalaureate degree in Computer Science at a four-year institution of higher education in Texas. Students planning to transfer to a four-year institution should confirm transferability of courses to meet degree requirements from the institution to which they plan to attend.

This following schedule of course offerings is subject to change depending on WCJC semester offerings.

9th Grade (3 SCH)

MUSI 1310 American Music

10th Grade (12 SCH)

FALL:

PHED 1164 Intro to Physical Fitness and Wellness

HIST 1301 US History I

SPRING:

PSYC 2301 General Psychology

HIST 1302 US History II

11th Grade (26 SCH)

FALL:

BIOL 1406 General Biology I

ENGL 1301 Composition I

COSC 1436 Programming Fundamentals I

MATH 1314 College Algebra

SPRING:

BIOL 1407- General Biology II

ENGL 1302 Composition II

MATH 2412 Pre-Calculus

COSC 1437 Programming Fundamentals II

12th Grade (24 SCH)

FALL

ENGL 2327 American Literature I

GOVT 2305 Federal Government

MATH 1314- College Algebra

SPRING

GOVT 2306 Texas Government

PHED 1164 Intro. to Physical Fitness and Wellness

HIST 2301 Texas History **or**

SOCI 2301 Marriage & Family

WCJC BUSINESS ADMINISTRATION AA Business Administration & Management

This is a recommended academic map for students who seek an Associate of Arts degree with a Field of Study (FOS) in Business Administration or plan to pursue a baccalaureate degree in Business Administration at a four-year institution of higher education in Texas. The Business Administration and Management Field of Study is approved by the Texas Higher Education Coordinating Board. Students planning to transfer to a four-year institution should confirm transferability of courses to meet degree requirements from the institution to which they plan to attend.

This following schedule of course offerings is subject to change depending on WCJC semester offerings.

9th Grade (3 SCH)

MUSI 1310 American Music

10th Grade (12 SCH) 6 each semester

FALL:

SPCH 1315 Public Speaking

HIST 1301 US History I

SPRING:

BCIS 1305 Business Computer Applications

HIST 1302 US History II

11th Grade (24 SCH)

FALL:

GOVT 2305 Federal Government

ENGL 1301 Composition I

BUSI 1301 Business Principles

MATH 1324 Math for Business & Social Sciences

SPRING:

BUSI 2305 Business Statistics

ENGL 1302 Composition II

GOVT 2306 Texas Government

PSYC 2301 General Psychology

12th Grade (26 SCH)

FALL

ENGL 2327 American Literature I

BIOL 1406 General Biology I

MATH 1314- College Algebra

ECON 2301 Principles of Financial Accounting

SPRING

BIOL 1407 General Biology II

BUSI 2301 Business Law

ECON 2302 Principles of Microeconomics

ACCT 2302 Principles of Managerial Accounting

WCJC DUAL CREDIT COURSE DESCRIPTIONS

Computer Science Dual Credit AA Pathway

COSC 1436 Programming Fundamentals I (Elective)

This course introduces the fundamental concepts of structured programming and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy.

Prerequisite: TSI ELAR (Reading and Writing) and Math requirements met

COSC 1437 Programming Fundamentals II (Elective)

This course introduces the fundamental concepts of structured programming and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy.

Prerequisite: COSC 1436

COSC 2436 Programming Fundamentals III (Elective)

Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), searching, sorting, recursion, and algorithmic analysis. Programs will be implemented in an appropriate object-oriented language.

Prerequisite: COSC 1437

COSC 2425 Computer Organization (Elective)

The organization of computer systems is introduced using assembly language. Topics include basic concepts of computer architecture and organization, memory hierarchy, data types, computer arithmetic, control structures, interrupt handling, instruction sets, performance metrics, and the mechanics of testing and debugging computer systems. Embedded systems and device interfacing are introduced.

Prerequisite: COSC 1436

Education Dual Credit AA Pathway

EDUC 1301 Into to the Teaching Profession (Elective)

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

hours of field experience in P-12 classrooms.

Prerequisite: TSI ELAR (Reading and Writing) requirement met

EDUC 2301 Into to Special Population (Elective)

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

Prerequisite: EDUC 1301; TSI ELAR (Reading and Writing) requirement met; and students must pass a criminal history check Type: ACAD

TECA 1311 Educating Young Children (Elective)

An introduction to the education of the young child, including developmentally appropriate practices and programs, theoretical and historical perspectives, ethical and professional responsibilities, and current issues. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth through age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations; and the course includes a minimum of 16 hours of field experiences.

Prerequisite: TSI ELAR (Reading and Writing) requirement met; students must pass a criminal history check

TECA 1354 Child Growth & Development (Elective)

A study of the physical, emotional, social, language, and cognitive factors impacting the growth and development of children through adolescence.

Prerequisite: Type: TSI ELAR (Reading and Writing) requirement met

MATH 1342 Elementary Statistical Methods (Elective)

Collection, analysis, presentation 3:3:0 and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.

Prerequisite: TSI Math Requirements met

SOCI 2301 Marriage & Family (Elective)

Sociological and theoretical analysis of the structures and functions of the family, the varied cultural patterns of the American family, and the relationships that exist among the individuals within the family, as well as the relationships that exist between the family and other institutions in society.

Prerequisite: Type: SOCI 2306 TSI ELAR (Reading and Writing) requirement met

Business Administration Dual Credit AA Pathway

BCIS 1305 Business Computer Applications

Introduces and develops foundational skills in applying essential and emerging business productivity information technology tools. The focus of this course is on business productivity software applications, including word processing, spreadsheets, databases, presentation graphics, data analytics, and business-oriented utilization of the internet.

Prerequisite: None

BUSI 1301 Business Principles

This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decisionmaking processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life.

Prerequisite: TSI ELAR (Reading and Writing) requirement met

BUSI 2301 Business Law

The course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

Prerequisite: TSI ELAR (Reading and Writing) requirement met

BUSI 2305 Business Statistics

Descriptive and inferential statistical techniques for business and economic decision-making. Topics include the collection, description, analysis, and summarization of data; probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals; linear regression; and correlation analysis. Statistical software is used to analyze data throughout the course. (BUSI 2305 is included in the Business Field of Study.)

Prerequisite: MATH 1324 or MATH 1314; BCIS 1305

ACCT 2301 Principles of Financial Accounting

This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS).

Prerequisite: TSI ELAR (Reading and Writing) and Math requirements met

ACCT 2302 Principles of Managerial Accounting

This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.

Prerequisite: ACCT 2301

ECON 2301 Principles of Macroeconomics

An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy.

Prerequisite: TSI ELAR (Reading and Writing) and Math requirements met

ECON 2302 Principles of Microeconomics

Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer behavior and supply, price and output decisions by firms under various market structures, factor markets, market failures, and international trade.

Prerequisite: TSI ELAR (Reading and Writing) and Math requirements met

WCJC Music Dual Credit

MUSI 1310 American Music

A general survey of various styles of music of the Americas, including but not limited to jazz, folk, rock, and contemporary music.

WCJC Dual Credit Electives

ENGL 2327 American Literature I (Elective)

Core 040 A survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.

Prerequisite: ENGL 1302

GOVT 2306 Texas Government (Texas Constitution & Topics) (Elective)

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas.

Prerequisite: TSI ELAR (Reading and Writing) requirement met; GOVT 2305 recommended

HIST 1301 United States History (Elective)

Credit 0.5

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

Prerequisite: TSI ELAR (Reading and Writing) requirement met

HUMA 1301 Introduction to Humanities I (Electives)

This stand-alone course is an interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors in human value with an emphasis on the historical development of the individual and society and the need to create.

Prerequisite: TSI ELAR (Reading and Writing) requirement met

MATH 1324 Mathematics for Business & Social Sciences (Elective)

The application of common algebraic functions including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

Prerequisite: TSI Math requirements met

MATH 1316 Plane Trigonometry (Elective)

In-depth

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

Prerequisite: TSI Math requirements met

PSYC 1300 Learning Framework (Elective)

A study of the 1) research and theory in the psychology of learning, cognition, and motivation, 2) factors that impact learning, and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. (Cross listed as EDUC 1300) Prerequisite: BHS 10-11

PSYC 2314 Life Span Growth & Development (Elective)

Life-Span Growth and Development is a study of social, emotional, cognitive and physical factors and influences of a developing human from conception to death. Recommended for Nursing and Allied Health

students.

Prerequisite: TSI ELAR (Reading and Writing) requirement met

SPCH 1315 Public Speaking (Elective)

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations.

WCJC English Dual Credit

ENGL 1301 Composition I

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.

Prerequisite: TSI ELAR (Reading and Writing) requirement met

ENGL 1302 Composition II

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

Prerequisite: ENGL 1301 or equivalent

WCJC Math Dual Credit

MATH 1314 College Algebra

In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. Prerequisite: TSI Math requirements met

MATH 1325 Calculus for Business & Social Sciences

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for MATH 2413 – Calculus I.

Prerequisite: MATH 1314 or MATH 1324

WCJC Science Dual Credit

BIOL 1406 General Biology I

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included. Laboratory activities will reinforce these concepts. (also called Biology for Science Majors I) Prerequisite: TSI ELAR (Reading and Writing) requirement met

BIOL 1407 General Biology II

The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. Laboratory activities will reinforce these concepts. (also called Biology for Science Majors II) Prerequisite: TSI ELAR (Reading and Writing) requirement met; BIOL 1406 is recommended Type: ACAD

WCJC Social Studies Dual Credit

HIST 1302 United States History II

A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy. Prerequisite: TSI ELAR (Reading and Writing) requirement met; HIST 1301 recommended

GOVT 2305 Federal Government (Federal Constitution & Topics)

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties, and civil rights.

Prerequisite: TSI ELAR (Reading and Writing) requirement met

ECON 2301 Principles of Macroeconomics

An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy.

Prerequisite: TSI ELAR (Reading and Writing) and Math requirements met

PSYC 2301 General Psychology

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.

Prerequisite: TSI ELAR (Reading and Writing) requirement met

SOCI 1301 Introduction to Sociology

The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in

their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance.

WCJC Physical Education Dual Credit

PHED 1304 Personal/Community Health

This course provides an introduction to the fundamentals, concepts, strategies, applications and contemporary trends related to understanding personal and/or community health issues. This course also focuses on empowering various populations with the ability to practice healthy living, promote healthy lifestyles and enhance individual well-being. Prerequisite: TSI ELAR (Reading and Writing) requirement met

PHED 1164 Intro. to Physical Fitness and Wellness (Elective)

An introduction and overview of the lifestyle necessary for fitness and health. Students will participate in physical activities and assess their fitness status. Students will be introduced to proper nutrition, weight management, cardiovascular health, flexibility, and strength training. Prerequisite: None

WCJC Foreign Language Dual Credit

SPAN 1411 Beginning Spanish 1

Beginning Spanish I Basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level. Prerequisite: Brazos ISD requires High School Spanish 1 and 2

SPAN 1412 Beginning Spanish 2

Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the high beginner to low intermediate level. Prerequisite: SPAN 1411

BHS COURSE DESCRIPTIONS

English Language Arts

English I

Credit: 1

Grade: 9 Prerequisite: None

Integrated composition and literature with emphasis on a variety of genres. Vocabulary is extended and language and reading skills that are tested on the EOC test are introduced and emphasized.

English 1 Honors

Credit: 1

Grade : 9

Prerequisite: Must have received Meets or higher on 8th grade reading STAAR

Faster Pace. Students explore the interconnected nature of reading, writing, speaking, listening and critical thinking using multiple genres for study and composition. Students develop research skills necessary to organize and present ideas and information while continuing to develop knowledge and skills with increased complexity and nuance in order to think critically and adapt to the ever evolving nature of language and literacy. **A summer project will be a required part of this course.**

English II

Credit: 1

Grade: 10 Prerequisite: English I

Integrated composition and literature, emphasizing the nature of man through all genres. Language and reading skills that are tested on the new EOC test are emphasized.

English II Honors

Credit:1

Grade: 10

Prerequisite: English I, must score Meets or higher on English I STAAR EOC

Students explore the interconnected nature of reading, writing, speaking, listening and critical thinking using multiple genres for study and composition. Students develop research skills necessary to organize and present ideas and information while continuing to develop knowledge and skills with increased complexity and nuance in order to think critically and adapt to the ever-evolving nature of language and literacy. **A summer project will be a required part of this course.**

English III

Credit: 1

Grade: 11 Prerequisite: English II

Integrated composition and literature, emphasizing literature of all genres. Composition includes documented research.

English IV

Credit: 1

Grade: 12

Prerequisite: English III

Integrated composition/literature, including literary criticism, documented research and a survey of British literature

MATHEMATICS

Algebra I

Credit: 1

Grade: 9

Prerequisite: None

The study of linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions in both mathematical and real-world situations, as well as polynomials of degree one and two, radical expressions, sequences, and laws of exponents, and generating and solving linear systems with two equations and two variables.

Math Models

Credit: 1

Grade: 10 - 12

Prerequisite: Algebra I

Math Models may count as a 4th year of math but it must be taken before Algebra II; Math Models cannot be taken after Algebra II. This course is recommended if a student earns a 75 or less in Geometry.

In Mathematical Models with Applications, students continue to build on the K-8 and Algebra I foundations as they expand their understanding through other mathematical experiences.

Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations. This course is not an advanced math course.

Geometry

Credit: 1

Grade: 9 - 12 Prerequisite: Algebra I

Introduction to basic geometric concepts and formal proofs. Additional topics include parallel lines, congruent triangles, polygons, similar triangles, circles, area, inequalities, space, coordinates and transformational geometry.

Geometry-Honors

Credit: 1

Grade: 9 - 12 Prerequisite: Must have completed Algebra I with an 85+ or better average with a teacher recommendation and passed the Algebra I EOC.

Intro to basic geometric concepts and formal proofs. Faster pace. Topics include parallel lines, congruent triangles, similar triangles, polygons, circles, area, inequalities, space, coordinates and transformational geometry, additional topics include Euclidean geometry, Trigonometry, and Exploration of Linear Equations and Transformations in coordinate plane.

Algebra II

Credit: 1

Grade: 10 - 12

Prerequisite: Algebra I/Geometry

Review of Algebra I, with basic study of equations and inequalities, functions, polynomials, roots and radicals, quadratic equations, conics, rational functions, exponents, logarithmic functions, sequences and series and probability.

Algebra II Honors

Credit: 1

Grade: 10 - 12

Prerequisite: Algebra I/Geometry; Must have passed the Algebra I EOC and have Teacher Recommendation

Algebra II Honors provides an in-depth treatment of algebraic concepts through the study of functions using a transformational approach. REQUIRED for the student who wants to take Pre-Calculus Honors and AP Calculus

Students enrolled in the course will be offered the opportunity to participate in Dual Enrollment with Tarleton. (see [Tarleton](#) Today for more information)

Pre-Calculus Honors

Credit: 1

Grade: 10 - 12

Prerequisite: Algebra II Honors, Geometry

Pre-Calculus Honors is designed for students demonstrating an advanced aptitude for mathematics. Only students planning to take AP Calculus AB should enroll in this class. This course offers a more in- depth view of pre-calculus and will be conducted at an accelerated pace from regular pre-calculus. The level of instruction/curriculum will focus on preparing the student for Advanced Placement courses.

Students enrolled in the course will be offered the opportunity to participate in Dual Enrollment with Tarleton. (see page for more information)

AP Calculus

Credit: 1

Grade: 11 - 12

Prerequisite: Pre-Calculus Honors

For students who have thorough knowledge of College Prep mathematics, including algebra, axiomatic geometry, trig, and analytic geometry. Course requirements are set forth in the College Board Publication Advanced Placement Course Description: Calculus AB, Calculus BC, published by The College Board. They include differential and integral calculus.

AP Statistics

Credit: 1

Grades: 10 - 12

Prerequisite: Geometry, Algebra II

The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build

conceptual understanding.

Financial Math

Credit: 1

Grade: 12

Prerequisite: Algebra I, Math Models, Geometry

Students will apply critical thinking skills to analyze personal financial decisions based upon the current and projected economic factors. Math and calculations related to the real world experiences include some of the following: net pay, income taxes, calculate mortgage payment, property taxes, mortgage insurance, closing cost, interest cost, etc. This is a CTE course that counts as a math credit. **This course is not an advanced math course.**

SCIENCE

Biology

Credit: 1

Grade: 9-12 Prerequisite: None

This course includes a study of living organisms and vital processes. Themes that will be covered in this course include scientific skills, ecology, biochemistry, cellular processes, genetics, evolution, classification of organisms, as well as plant and human body systems. The course includes laboratory experiments designed to reinforce course content.

Biology- Honors

Credit: 1

Grade: 9 - 10

Prerequisite: 8th grade Science average of 85+, passed the STAAR Science test, and teacher recommendation

Integrated Physics and Chemistry (IPC)

Credit: 1

Grade: 9 - 10

Prerequisite: None

Students will use critical thinking and scientific problem solving to make informed decisions in field and laboratory investigations. This course integrates chemistry and physics topics including motions, waves energy transformations, properties and changes in matter, and solution chemistry.

Chemistry

Credit: 1

Grade: 10 - 11

Prerequisite: Completion of Biology and Algebra I

Chemistry is a mathematically based, lab-oriented course in which the student will gain an understanding of relationships between chemical properties, reactions and physical phenomena.

Chemistry- Honors

Credit: 1

Grade: 10 - 12

Prerequisite: Enrollment in Honors Algebra II or completion of Honors Algebra II; teacher recommendation; must have passed the Biology and Algebra I EOC.

This study includes the same topics covered in Chemistry but with more complex mathematical problems. Also included are some additional concepts more abstract than those covered in the academic level.

Physics

Credit: 1

Grade: 11 - 12 Prerequisite: Algebra I

In Physics, students develop an understanding of the physical world, including forces, work and energy, heating and cooling systems, electricity and magnetism, and nuclear reactions. These concepts will be addressed both conceptually and mathematically through problem solving and lab investigations.

Physics- Honors

Credit: 1

Grade: 11 - 12

Prerequisite: Two years of science, Algebra II, concurrent enrollment in Pre-Calculus or completion of Pre-Calculus; teacher recommendation.

The Physics (Honors) topics and objectives are essentially the same as Physics. These topics, investigation, and studies will be covered in greater depth, intensity, and with higher academic expectations while utilizing opportunities for independent research.

Forensic Science

Credit: 1

Grade: 11 - 12

Prerequisite: Biology, Chemistry

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

Anatomy and Physiology of Human Systems- Honors

Credit: 1

Grade: 12

Prerequisite: Biology I, Chemistry or Physics

In Anatomy and Physiology of Human Systems, students will study the systems of the human body. Students will learn the components of these systems and how they relate to each other and to the whole body. Laboratory investigations will include dissections. Success in class will require memorization and problem –solving skills. This is a CTE course that counts as a science credit.

Environmental Systems

Credit: 1

Grade: 11 - 12

Prerequisite: Biology, Chemistry or Physics

In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include; biotic and abiotic factors in habitats, ecosystems and biomes; interrelationships among resources and environmental system; sources and flow of energy through an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments

Advanced Animal Science

Credit: 1

Grades: 12

Pre-Requisites: Biology, Chemistry OR IPC, Algebra 1, Geometry, Principles of Ag, & Small Animal/Equine OR Livestock

Advanced Animal Science is a more intense study of animal anatomy and physiology related to nutrition, reproduction, health, and management of domesticated animals; identifies nutritional requirements of ruminant and non-ruminant animals; and discusses animal genetics, reproduction, animal pests and diseases, and traditional and current issues in animal science and livestock production. The course is recommended for students in grade 11 (if on an accelerated plan) or 12 only and directed towards those who wish to pursue a career in the Veterinary, Agriculture Education, or Animal Production fields. This CTE course also counts as science credit.

Social Studies

World Geography

Credit: 1

Grade: 9

A study of the interaction of people and their physical environments in the major areas of the world.

World Geography- Honors

Credit: 1

Grade: 9

Prerequisite: 8th grade average of 85 or better, passed the STAAR Social Studies test and/or teacher recommendation

This course includes all requirements of the corresponding academic level class plus substantial enrichment experiences.

World History

Credit: 1

Grade: 10 - 12

Prerequisite: None

Provides students opportunities to compare and analyze ways of life and cultural patterns that reflect the diversity and commonality of human experience and to understand how these patterns occur. Geographic influences on world history are part of the study.

World History- Honors

Credit: 1

Grade: 10

Prerequisite: Honors World Geography with average of 85 or better and/or teacher recommendation.

This course includes all requirements of the corresponding academic level class plus substantial enrichment experiences.

United States History

Credit: 1

Grade: 10 - 11

Prerequisite: None

Studies the post-Reconstruction emergence of the U.S. as a world power. Students deal with geographic influences on historical developments, analyze economic development and growth, observes the nation's social and cultural developments and study its political development.

US Government

Credit: 0.5

Grade: 12

In-depth study of the foundations of the U.S. political system; an analysis of political institutions, processes and values; a chronology of the development of the U.S. government system; and an analysis of the structure and function of local, state and federal governments.

Personal Financial Literacy

Credit: 0.5

Grade: 10-12

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. The knowledge gained in this course has far-reaching effects for students personally as well as the economy as a whole. Required course for Freshman entering high school in 2026-2027 and beyond.

Economics

Credit: 0.5

Grade: 12

Basic principles of our economic system. Emphasis on helping students become informed consumers in today's economy.

Languages other than English (LOTE)

Minimum requirements for graduation on all plans: 2 credits

Spanish I

Credit: 1

Grade: 9 - 12 Prerequisite: None

Emphasizes development of the basic skills of listening and speaking. Through oral and written work, the student learns to read and to write simple texts. Students experience the language and culture by experiencing the cuisine, lifestyle, history and fine arts of the Hispanic world.

Spanish II

Credit: 1

Grade: 9 - 12 Prerequisite: Spanish I

Continues development of the basic skills of listening, speaking, reading and writing. Students are introduced to more complex forms of grammar. Understanding the Hispanic world is further developed by extending the study of literature, culture, history and fine arts.

Spanish III Honors

Credit: 1

Grade: 10 - 12

Prerequisite: Spanish I & Spanish II OR Native Spanish

Furtheres the study of grammar, vocabulary and cultures of Spanish- speaking countries. Students improve listening, speaking, reading and writing skills. Students further develop reading comprehension skills through literature, oral presentations and written exercises.

AP Computer Science Principles (LOTE credit for class of 2025 and after)

Credit: 1

Grade: 9 - 12

Prerequisites: Algebra 1 (*College Board does not require Algebra 1, but does recommend knowledge of linear functions and high school algebra*)

This is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. This is a CTE course that counts as a LOTE credit.

AP Computer Science A (LOTE credit for class of 2025 and after)

Credit: 2

Grade: 10 - 12

Prerequisites: none by College Board, however BISD requires AP Computer Science Principles

This 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. This is a CTE course that counts as a LOTE credit.

Fine Arts

Minimum requirements for graduation on all plans: 1 credit

Art I

Credit: 1

Grade: 9 - 12

Prerequisite: None

An introduction to visual awareness, the elements and principles of art and art appreciation. Labs, which include class critiques, cover the use of basic media including pencil, pen, charcoal, pastel, collage, tempera, clay and wood.

Art II

Credit: 1

Grade: 10 - 12

Prerequisite: Art I

More advanced study of design principles, creative approach and media usage, plus an in-depth study of art history with emphasis on compositional change. Class critiques are conducted.

Art III

Credit: 1

Grade: 11 - 12

Prerequisite: Art II

Synthesis of compositional, creative and technical skills with advanced work in painting, printmaking and three-dimensional media. Students study art history and are introduced to independent study and experimentation, stressing self-critique.

Art IV

Credit: 1

Grade: 12 Prerequisite:

Art III

Stresses self-discipline, research and experimentation; for the student who anticipates a career in art. Designed to parallel the experiences of a working artist, involving simultaneous projects, maintenance of a portfolio, individual visits to exhibits and entering art competitions. Study of art history is continued.

Theatre Arts I, II, III, IV

Credit: 1

Grade: 9-12

Prerequisite: none

This course of study is designed as a survey in the fundamentals of theater, including the role of the actor, the role of the technician, the interpretation of dramatic literature, the development of the physical theater, and the historical movements and trends in theater. Through performance and evaluation, the student develops physical, vocal, and mental processes with an emphasis on interpretation, body movement, and characterization.

Band I, II, III, IV

Credit: 1

Grade: 9 - 12

Prerequisite: Previous band experience or teacher approval

This course covers the study and performance of music literature covering a broad range of styles and historical periods, music theory and listening skills, opportunities for study and performance of solo literature, and conducting. During the fall semester, all band students are required to participate in the marching band. Attendance at all after- school events, rehearsals, public performances and interscholastic competitions is required. Marching band substitutes for

½ credit of PE per year for each Marching season, for a maximum of 2 PE credits.

Jazz Band I, II, III, IV

Credit: 1

Grade: 9 - 12

Prerequisite: Concurrently enrolled in marching band

In Jazz Band, students will learn and play music in the jazz, blues and rock styles. The Jazz Band performs after the Wallis and Orchard Christmas parades, at both the Christmas and Spring band concerts, and will compete in at least one jazz festival in the spring semester. Students must be enrolled in the 1st period Band class in order to be a part of the Jazz Band.

Floral Design

Credit: 1

Grade: 10 - 12

Prerequisite: Principles of Agriculture

This course examines all aspects of the floriculture industry. The student will gain knowledge and skills that will allow them to work in the floral industry. In this course students will act as a retail florist and learn to make various arrangements as well as learn how to run a floral business. This CTE course counts as an Art credit.

Physical Education/Athletics

Minimum requirements for graduation on all plans: 1 credit

Girls/Boys Physical Education

Credit: 1

Grade: 9 - 12

Prerequisite: None

Emphasis on team sports such as volleyball, softball, basketball, football and soccer. Students develop an understanding of game rules; knowledge and skills necessary to participate; and good sportsmanship habits. Students are administered physical fitness tests.

Emphasis on learning individual sports, including game rules, scoring, care and use of equipment and safety. Students are encouraged to perform at their best individual skill level and to strive for self-improvement using the results of physical fitness tests.

Girls and Boys Athletics

Credit: 1

Grade: 9 - 12

Prerequisite: Placement is based on tryouts. Participants can be removed at any time based on coach request.

The following competitive athletic programs are designed for those who are highly motivated to participate in team and individual UIL athletics. Participants are expected to meet all UIL regulations, and must maintain academic standards while devoting a great deal of time outside the school day toward these programs. Each sport listed requires approval by the coach of the sport involved (i.e. football, basketball, baseball, volleyball, track, golf, tennis, cross country, powerlifting and softball).

Technology Applications Courses

AP Computer Science Principles

Credit: 1

Grade: 9 - 12

Prerequisites: Algebra 1 (*College Board does not require Algebra 1, but does recommend knowledge of linear functions and high school algebra*)

This is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. **This course also counts as a LOTE course.**

AP Computer Science A

Credit: 2

Grade: 10 - 12

Prerequisites: none by College Board, however BISD requires AP Computer Science Principles

This 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. **This course also counts as a LOTE course.**

CTE COURSE OFFERINGS

Animal Science

Principles of Agriculture

Credit: 1

Prerequisite: None

This introductory level course will allow a student with an interest in the field of agriculture the opportunity to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and related expectations. Students will explore all aspects of the cluster.

Small Animal Management

Credit: 0.5

Prerequisite: Principles of Ag

Students acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds.

Equine Science

Credit: 0.5)

Prerequisite: Principles of Ag, Small Animal Management

Students acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules.

Livestock Production

Credit: 1

Prerequisite: Principles of Ag

Students will learn about career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include, but are not limited to, beef cattle, swine, sheep, goats, and poultry.

Advanced Animal Science

Credit: 1

Prerequisites: Biology, Chemistry OR IPC, Algebra 1, Geometry, Principles of Ag, Small Animal/Equine, & Livestock

This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. Students must meet the 40% laboratory and fieldwork requirement. This CTE class also counts as a science credit.

Agricultural Technology & Mechanical Systems

Principles of Agriculture

Credit: 1)

Prerequisite: None

This introductory level course will allow a student with an interest in the field of agriculture the opportunity to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and related expectations. Students will explore all aspects of the cluster.

AG Mechanics

Credit: 1

Prerequisite: Principles of AG

This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques.

AG Fabrication I

Credit: 1-2

Prerequisite: Principles of Ag, AG Mechanics

Students explore career opportunities, entry requirements, and industry expectations as they design and build various shop projects from wood and metal. It is strongly encouraged for students to plan and then build or repair a major project out of wood or metal for this class. All materials will be paid for by the student.

AG Fabrication II

Credit: 1-2

Prerequisites: Principles of Ag, Ag Fab. I

Students explore career opportunities, entry requirements, and industry expectations as they design and build various shop projects from wood and metal. It is strongly encouraged for students to plan and then build or repair a major project out of wood or metal for this class. All materials will be paid for by the student.

Plant Science

Principles of Agriculture

Credit: 1

Prerequisite: None

This introductory level course will allow a student with an interest in the field of agriculture the opportunity to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and related expectations. Students will explore all aspects of the cluster.

Floral Design I

Credit: 1

Prerequisite: Principles of Ag

This course examines all aspects of the floriculture industry. The student will gain knowledge and skills that will allow them to work in the floral industry. In this course students will act as a retail florist and learn to make various arrangements as well as learn how to run a floral business. This course also counts as an Art credit.

Horticulture Science

Credit: 1

Prerequisite: Principles of Ag, Floral Design

Horticulture Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. This class involves maintenance and care of the greenhouse and outdoor garden.

Advanced Floral Design

Credit: 1

Prerequisites: Principles of Ag, Floral Design I

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

Turf Grass Management

Credit: 1

Prerequisite: Principles of Agriculture

To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of landscape and turf grass management techniques and practices.

Advanced Plant and Soil Science

Credit: 1

Prerequisite: 1 credit in a previous AFNR cluster. Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. Investigations, laboratory practices, and field exercises are to be used to develop an understanding of plant and soil science as it relates to the 21st Century world. This course is designed to prepare students for careers in the food and fiber industry. Students are to have opportunities to learn, reinforce, apply, and transfer their knowledge in a scientific setting.

Practicum in Agriculture Credit: 2-3

Prerequisite: Principles of Ag, 1 level II or III Ag-related CTE course; Teacher Recommendation

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

Business Management

Foundations of Business Communication and Technologies

Credit: 1

Prerequisite: None

Do you have what it takes to get a good paying job? Do you have computer skills to help you get ahead in school and the workforce? Take this class to move you forward in today's society. You will develop skills in Microsoft Excel, Access, Word, and PowerPoint that will strengthen your individual performance in the workplace and in society to make a successful transition to the workforce and post-secondary education! In order for a student to be successful in this course, prior computer literacy skills are a must.

Business Communication and Technologies

Credit: 1

Prerequisites: Business Communication and Technologies

Take it to the next level! Students will apply technical skills to address business applications of emerging

technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

Business Management

Credit: 1

Prerequisites: BIM I, BIM II

Take it to the next level! Students will apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

Career Prep I or II

Credit: 2-3

Prerequisites: At least 2 CTE courses from the same pathway

Prerequisite: Must be at least 16 years old and have parent and instructor approval. *MUST HAVE AND MAINTAIN EMPLOYMENT.entrepvea*

Offers students the opportunity to receive on-the-job training in addition to classroom instruction related to the general employment experience. Students must be employed at least 15 hours per school week.

Statistics and Business Decision Making

Credit: 1

Prerequisites: See CTE Pathway for prerequisite courses

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

Graphic Design and Interactive Media

Digital and Interactive Multimedia

Credit 1

Students study digital and interactive media and its application in information technology and analyze/assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students use personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Knowledge and skills acquired and practiced enables students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and reasoning skills applied to the information technology environment.

Graphic Design & Illustration I

Credit 1

Prerequisite: Digital and Interactive Media

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the

Arts, Audio Video Technology, and Communications career cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Graphic Design & Illustration II

Credit 1

Prerequisite: Graphic Design 1

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

ADDITIONAL ELECTIVE COURSES

Yearbook I, II, III IV (LOCAL CREDIT)

Credit: 1

Grade: 10-12

This is an elective course organized for the purpose of creating and producing the school yearbook, an effort which both captures the spirit of a school year and serves as a record of major achievements during that year. Student involvement in the course helps develop social skills and responsibility along with management, marketing, writing, photography, desktop publishing and design skills.

SAT Prep (LOCAL CREDIT)

Credit: 0.5

Grade: 10-12

This is an elective online self-paced semester course that is designed to prepare students for the SAT. Students will review content in the following areas: Mathematics, Writing and Language, and Reading.

Office/ Teacher Aide (LOCAL CREDIT)

Credit: 1

Grade: 12

Prerequisites: must have completed all core requirements and passed all EOCs; approval required. Seniors may be enrolled in one period of Office Aide only and one period of Teacher Aide only.

Debate 1, 2, 3

Credit: 1

Grade: 9 - 12

Prerequisite: None

Debate is a course designed to promote research, analysis, and public speaking skills in an educational environment of competition. Students will be required to participate in at least one tournament and may be required to attend debate camp over the summer if continuing on the team after their first year in the class.

Late Arrival*/Early Dismissal**

Credit: 0

Grade: 12

Prerequisites: must have completed 16+ credits and be on track for completion of an endorsement and a CTE program of study. *Principal Approval Only

Robotics I

Credit 1

Prerequisites: none Junior/Senior Level Course

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

Course Code: 13037000

TSTC COURSE OFFERINGS

Cybersecurity

Offered online through Texas State Technical College

Personal Computer Hardware (equivalent to Internetworking Technologies I)

Credit: 1 Prerequisite:

None

This course introduces the concept of networking, using various analogies to help the student understand the movement of packets throughout the Internet, and the protocol standards used. The Routing and Switching course moves the student into the theory of “moving packets.” The concepts of routing and switching “packets” to the correct destination is covered, and how a network administrator can direct and/or streamline this process through device configuration and deployment.

Fundamentals to Networking (equivalent to Internetworking Technologies II) Credit: 1 (state) Prerequisite:

Personal Computer Hardware

Students learn how to configure routers and switches for advanced functionality. The CCNA 4 course discusses the Wide Area Network (WAN) technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements.

Implementing and Supporting Servers (equivalent to Networking Lab)

Credit: 2

Prerequisite: Fundamentals to Networking

Students will develop knowledge of the concepts and skills related to telecommunications and data

networking technologies and practices to apply them to personal or career development. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. This course must be taken concurrently with Networking and may not be taken as a stand-alone course. Districts are encouraged to offer this course in a consecutive block with Networking to allow students sufficient time to master the content of both courses.

Secure Linux Administrations (equivalent to Cybersecurity Capstone)

Credit: 1

Prerequisites: Implementing and Supporting Servers

Students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification. A variety of courses are available to students interested in the cybersecurity field. Cybersecurity Capstone may serve as a culminating course in this field of study.

Dual Credit Agreement 2026-2027

Parents and Students:

Brazos High School will be offering courses through Wharton County Junior College (WCJC). You have met the qualifications required by the state to enroll in this program.

I, _____, understand that attending and taking courses through WCJC constitutes a commitment on my part including, but not limited to, the following provisions:

- I will follow through on all dates and deadlines including start, drop, end, and assignment dates.
- I understand that the college is responsible for the curriculum, syllabus, my grade, and college credit. BHS has NO authority to change the grade assigned by the professor and no control over the curriculum.
- I understand that WCJC will require students to use external webcams for all online exams. Internal microphones are acceptable to use.
- Official college transcripts will be generated after completion of courses and must be requested directly from the college.
- I understand that my facilitator may not be certified in the content that I am currently enrolled in and only serves as a guide for communicating with the professor. My facilitator will routinely complete grade checks.
- If I choose to drop the course, I will transfer to a grade-level (non-Honors/AP) course if available. My current grade will transfer with me.
- I will be responsible for tuition, fees, books, and supplies required for this course.
- I will be responsible for managing my time to complete the course and setting up computer time in advance with my facilitator if I do not own a computer to work with at home.
- I will follow the Acceptable-Use Policy in addition to refraining from games not assigned by the professor and other unauthorized sites. This will become a disciplinary action.
- I will notify my facilitator immediately if I need assistance. I will comply with the classroom rules and procedures of my facilitator.
- I will read and understand my syllabus thoroughly.
- I understand and will comply with WCJC's scholastic honesty policy and academic expectations.

Student name (printed): _____ Date: _____

Student Signature: _____

Parent/Guardian Signature: _____ Date: _____

COURSE SELECTION TIPS

1. All students will take a full course load (8 courses)
2. **Be certain that the courses that you are selecting fit in your future plan.** Don't be afraid to ask if you are uncertain.
3. Consider future career and educational goals of the student. Core academic classes should be chosen that sufficiently challenge and prepare the student for his/her educational plans beyond high school. It is also helpful to identify areas of personal interests when looking at elective options.
4. The purpose of electives is to enrich the curriculum. Students will be eligible for enrollment provided they have completed the necessary prerequisite requirements. Seniors needing courses to fulfill graduation requirements will be given first priority.
5. In the event that very few (*less than 10*) students register for an elective, the class may be dropped from the master schedule.
6. To have periods off for work, students must be in Career Preparation, must have a job and mode of transportation, and be in good standing with credits and state testing requirements.
7. Seniors who are in good academic standing and who have completed all state testing requirements are eligible for an aide period.
8. Course selection must be completed and turned in. A parent signature is required.

SCHEDULE CHANGE PROCEDURES

Schedule changes will be made *only* if:

1. The student is missing a prerequisite class and needs an alternate course.
2. The student has already earned credit for the class.
3. Summer reading for Honors English is not completed.
4. Students need to repeat a failed course.
5. Students received a program recommendation by a coach or sponsor/teacher (example Athletics, Band). Coach/Sponsor/Teacher signature required.

Procedures:

1. Complete the schedule change form, available in the office.
2. Parent sign the form
3. Meet with the counselor to discuss.
4. Schedule change requests must be submitted within the 1st week of each semester.
Students will not be able to drop courses without the approval of the Counselor and Principal. Parent permission is required for all schedule changes.

NCAA ATHLETICS

To be successful in college, students need to be prepared for college coursework. In Division I and Division II, the National Collegiate Athletic Association (NCAA) sets academic initial-eligibility standards that take into account GPA, standardized test scores, core courses taken in high school and the grades earned in those core courses. Division III schools hold student-athletes to the same overall standards for the institution in which they're enrolling.

All student-athletes also must meet the unique acceptance requirements of the college or university they plan to attend (which may exceed NCAA standards).

For complete eligibility information, please visit the NCAA Eligibility Center at <http://www.ncaa.org/student-athletes/future/eligibility-center>

ELIGIBILITY AND EXEMPT COURSES FOR UIL NO PASS NO PLAY

[Exempt Courses FM Student Activities Legal](#)

The suspension and reinstatement provisions of Education Code 33.081(c) and (d) do not apply to an advanced placement or international baccalaureate course, or to an honors or dual credit course in the subject areas of English language arts, mathematics, science, social studies, economics, or a language other than English. Education Code 33.081(d-1)

Honors classes for purposes of eligibility to participate in extracurricular activities are listed at 19 Administrative Code 74.30(a).

Districts may identify additional honors courses in the subject areas of English language arts, mathematics, science, social studies, or a language other than English for the purposes of extracurricular eligibility but must identify such courses before the semester in which any exemptions related to extracurricular activities occur.

Districts are neither required to nor restricted from considering courses as honors for the purpose of grade point average calculation.

The following courses are identified as advanced and, as such, eligible for exemption as noted in section 33.081 of the Texas Education Code & Texas Administrative Code 19, Part 2, Chap. 74C and the UIL handbook.

- All College Board Advanced Placement (AP) Course or International Baccalaureate (IB) Course, or an honors or dual credit course in the subject areas of English language arts, mathematics, science, social studies, economics, or a language other than English (LOTE) and;
- Honors and high school/college concurrent enrollment classes that are included in the "Community College General Academic Course Guide Manual (Part One)" in the subject areas of English Language Arts, Mathematics, Science, Social Studies, and Language other than English (LOTE) courses level IV – V.

Brazos ISD only allows students to exempt 1 course per school calendar year and the exemption only applies to Dual Credit Courses. Please see BHS counselor for exemption form.

NON-DISCRIMINATION STATEMENT

It is the policy of Brazos Independent School District not to discriminate on the basis of race, color, religion, gender, national origin, sex, handicap, age, or any other basis prohibited by law in providing education services, activities, and programs, including Career and Technical Education (CTE) programs. In accordance with Title IX of the Education Amendments of 1972, the district does not and is required not to discriminate on any basis in its educational programs or activities. The requirement not to discriminate extends to admission and employment. Other federal laws that prohibit discrimination include Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973 as amended, the Age Discrimination Act of 1975 as amended, the Boy Scouts Act, and Title II.