

# **BRAZOS HIGH SCHOOL**



## **COURSE SELECTION CATALOG**

2017-2018

## **COURSE SELECTION POINTS TO REMEMBER**

1. All students will take a full course load (8 courses)
2. Be certain that the courses that you are selecting fit in your degree 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 fulfil graduation requirements will be given first priority.
5. In the event that very few (*less than 8*) 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 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 one aide period.
8. **Course selection must be completed and turned in NO LATER THAN 3/10/2017. A parent signature is required.**

## **BRAZOS HIGH SCHOOL SCHEDULE CHANGE POLICY**

Schedule changes will be made if:

1. Student is missing a pre-requisite class and needs an alternate course.
2. Student has already earned credit for the class.
3. Paid fee bill for dual credit not submitted.
4. Summer reading for Honors English not completed.
5. Student needs to repeat a failed course.
6. Student received a program recommendation by a coach or sponsor/teacher (example Athletics, Band). Coach/Sponsor/Teacher signature required.

Students will not be able to drop Career and Technical courses without the approval of the principal.

**Parent permission is required for all schedule changes.**

## HIGH SCHOOL OVERVIEW

### YOUR HIGH SCHOOL YEARS

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.

### PLANNING YOUR SCHEDULE

Students in grades 9-12 in Brazos ISD are offered instruction in core curricula that covers the essential elements mandated by the Texas Education Agency and include creative/critical thinking skills, processing skills, research skills and concept-based subject matter. These courses are designed to prepare students for additional post-high school education.

### 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. **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

Credits Earned	Classification
<5	Grade 9 (Freshman)
5	Grade 10 (Sophomore)
10	Grade 11 (Junior)
15	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	=	75 – 79
D	=	70 – 74
F	=	Below 70
I	=	Not all work turned in.

## 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

Students who do not earn a grade of 70 or greater in a course will be required to make up that credit. Students whose semester average falls between 60-69 may repeat the course using the Plato credit recovery courseware. Students whose semester average falls below 60 will retake the course with an instructor.

Students in grades 9 – 11 will not be allowed to earn initial course credit using the Plato courseware.

Seniors who are credit deficient for graduation may be allowed to take courses for initial credit using the Plato courseware. Requests will be evaluated on a case-by-case basis. Every effort will be made to enroll students in face-to-face instruction first.

## CREDIT BY EXAMINATION—If a Student Has Taken the Course/Subject (All Grade Levels)

A student who has previously taken a course or subject—but did not receive credit or a final grade

for it—may, in circumstances determined by the principal or attendance committee, be permitted to earn credit by passing an exam approved by the district’s board of trustees on the essential knowledge and skills defined for that course or subject. Prior instruction may include, for example, incomplete coursework due to a failed course or excessive absences, homeschooling, or coursework by a student transferring from a non-accredited school. The opportunity to take an examination to earn credit for a course or to be awarded a final grade in a subject after the student has had prior instruction is sometimes referred to as “credit recovery.”

The school counselor or principal would determine if the student could take an exam for this purpose. If approval is granted, the **student must score at least 70** on the exam to receive credit for the course or subject.

The attendance review committee may also offer a student with excessive absences an opportunity to earn credit for a course by passing an exam.

[For further information, see the school counselor and policy EHDB(LOCAL) and FD(LOCAL).]

#### **CREDIT BY EXAMINATION FOR ADVANCEMENT/ACCELERATION—If a Student Has Not Taken the Course/Subject**

A student will be permitted to take an exam to earn credit for an academic course or subject area for which the student has had no prior instruction, i.e., for advancement or to accelerate to the next grade level. The exams offered by the district are approved by the district’s board of trustees, and state law requires the use of certain exams, such as College Board Advanced Placement (AP) and College Level Examination Program (CLEP) tests, when applicable. The dates on which exams are scheduled during the 2016–17 school year will be published in appropriate district publications and on the district’s website. The only exceptions to the published dates will be for any exams administered by another entity besides the district or if a request is made outside of these time frames by a student experiencing homelessness or by a student involved in the foster care system. When another entity administers an exam, a student and the district must comply with the testing schedule of the other entity. During each testing window provided by the district, a student may attempt a specific exam only once.

If a student plans to take an exam, the student (or parent) must register with the school counselor no later than 30 days prior to the scheduled testing date. [For further information, see policy EHDC.]

A student in grade 6 or above will earn course credit with a **passing score of at least 80** on the exam, a scaled score of 50 or higher on an exam administered through the CLEP, or a score of 3 or higher on an AP exam, as applicable. A student may take an exam to earn high school course credit no more than twice. If a student fails to achieve the designated score on the applicable exam before the beginning of the school year in which the student would need to enroll in the course according to the school’s high school course sequence, the student must complete the course.

## **CREDIT BY EXAM SCHEDULE**

Students are responsible for registering for CBE with the counselor two weeks prior to the opening of the testing window. Credit by exam will be offered during the following windows.

- First two business weeks of August (Register by July 24, 2017. Test August 7-18, 2017)
- First two business weeks of December (Register by November 20, 2017. December 4-15, 2017)
- Last two business weeks of January (Register by January 8, 2018. January 22 – February 2, 2018)
- First two business weeks of June (Register by May 21, 2018. Test June 4 – 14, 2018)

## **CLASS RANK AND WEIGHTED GRADES**

Beginning with the graduating class of 2019, the District shall include in the calculation of class rank semester grades earned in high school credit courses taken at any grade level in the District 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.

The calculation shall include failing grades.

The calculation of class rank shall exclude grades earned in any local credit course.

Calculation of student's official class rank and grade point average is done at the end of each school year. For the purposes of class ranking, enrichment, honors, dual credit, and Advanced Placement courses are weighted in accordance with Policy EIC(LOCAL).

Enrichment courses are weighted with a multiplier of 1.05. Current enrichment classes are: Honors Geometry, Pre-Calculus, Honors Physics, Anatomy & Physiology, Honors English I & II, Honors Biology, Honors Chemistry, Honors Algebra II, Honors World History, Honors World Geography, Spanish 3.

Advanced Placement and Dual Credit classes are weighted with a multiplier of 1.10. Currently offered are AP Calculus, Dual credit US History, Dual credit English, Dual credit Government, Dual Credit Economics, Dual Credit Psychology, Dual Credit Sociology, Dual Credit Speech Communication, Dual Credit Art Appreciation, Dual Credit Music Theory, Dual Credit Spanish I & II.

## **DUAL COLLEGE ENROLLMENT**

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 than 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 are weighted with a multiplier of 1.10.

Dual enrollment college courses are available to Brazos High School students through Wharton County Junior College and The University of Texas Permian Basin. 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) test or a state approved alternate test.

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

- UTPB dual credit courses are \$200 for ENGL 1301 & ENGL 1302 and \$150 for all other dual credit courses plus the cost of fees, textbooks and supplies.
- WCJC courses are \$417 per 3 hour course plus the cost of fees, textbooks, and supplies.

***\*\*\*Tuition and fee prices are subject to change by our partnering universities***

## **TEXAS SUCCESS INITIATIVE:**

Students attending Texas public institutions of higher education must be in compliance with the Texas Success Initiative (TSI), as of fall 2003 (Texas Education Code §51.3062) in order to enroll in public institutions of higher education. The law requires all entering college students to be assessed for college readiness in reading, mathematics and writing unless the student qualifies for an exemption. Each student who fails to meet the minimum passing standard of the exam offered by the institution must be placed in a developmental education program designed to help the student achieve college readiness. Students may be exempt from taking a TSI exam by achieving any of the requirements

### **a. SAT**

- (i) SAT administered prior to March 5, 2016: a combined critical reading (formerly "verbal") and mathematics score of 1070 with a minimum of 500 on the critical reading test shall be exempt for both reading and writing sections of the TSI Assessment; a combined critical reading (formerly "verbal") and mathematics score of 1070 with a minimum of 500 on the mathematics test shall be exempt for the mathematics section of the TSI Assessment.
- (ii) SAT administered on or after March 5, 2016: a minimum score of 480 on the Evidenced-Based Reading and Writing (EBRW) test shall be exempt for both reading and writing sections of the TSI Assessment; a minimum score of 530 on the mathematics test shall be exempt for the mathematics section of the TSI Assessment. There



- is no combined score.
- (iii) Mixing or combining scores from the SAT administered prior to March 5, 2016 and the SAT administered on or after March 5, 2016 is not allowable.
- b. The student achieves an **ACT** composite score of 23, or higher, with a minimum 19, or higher, on both math and English taken within the time limits defined by the THECB rule-5years from the date of testing.

## **EXITING DUAL CREDIT COURSES**

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 space is available in the corresponding academic course.

At the end of the semester, a student may exit a dual credit course in which he/she is enrolled and move to the corresponding academic course. The grade earned in the dual credit course will be recorded on the student's transcript.

At any time during the first two weeks of the first semester, a student may exit a dual credit course in which he/she is enrolled and move to corresponding academic course (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. The grade earned through the academic course will be the grade which is recorded on the student's transcript.

Should the student withdraw from a one-semester college level course (i.e. Government) that is a requirement for graduation after the second week of school, the campus will accept the withdrawal grade and place the student in the comparable high school course.

Should the student withdraw from a year-long course during the first semester (i.e. English IV or U.S. History) that is required for graduation after the second week of school, the campus will accept the withdrawal grade and place the student in the comparable first semester high school course.

Should the student withdraw from a year-long college level course during the second semester (i.e. English IV or U.S. History), the student must recover the fall semester of the high school credit and enroll in the comparable second semester high school course.

Students who withdraw after the college's published withdrawal date will receive the assigned grade from the college and be required to recover the credit either through Credit by Exam or Plato.

**Because Dual Credit courses are college level and are taught by college-employed instructors, any disputes regarding grades, course content, schedules, calendar, attendance or other issues are to be addressed to the respective college. Students with disabilities will**

**need to visit with the Special Populations Department at the college for needed accommodations.**

### **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 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.

### **GIFTED AND TALENTED**

The high school components of the program focus on developing student's abilities to research independently; to plan and make decisions, to think creatively, logically, divergently and critically; to engage in higher levels of thinking thus helping one to become a "self-directed learner."

### **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>

### **TESTING**

#### **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 College Board. It is a standardized test that provides firsthand practice for the SAT. Junior students are eligible for recognition and scholarships within the National Merit Program. Students must register in the counseling office for a slight fee, usually around \$15. It also provides college information and career tools for the students to use in post-secondary plans.

## **EOC GRADUATION REQUIREMENTS**

Students must pass End of Course tests in the following areas: Algebra I, Biology, English I, English II and U.S. History.

**Texas Success Initiative Assessment (TSIA)** = Required of all students planning to take college classes, including Dual Credit courses offered at Brazos High School to junior and senior students. Test is designed to assess college readiness in four areas: reading, writing, math, and essay composition. In order to take TSIA, a MANDATORY pre-assessment activity must be completed. Once the pre-test is completed, the student must print a certificate and present it to the testing center prior to testing.

**TSIA 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=500, Critical Reading= 500, Combined Score=1070
- ACT – Mathematics=19, English=19, Composite=23
- PSAT- Math=50, Critical Reading=50, Combined Score=107

### **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](http://www.collegeboard.org)

### **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](http://www.actstudent.org).

**It is highly recommended that students take either the SAT or ACT test during the JUNIOR year of high school.**

**Brazos High School Code = 447340**

## **GRADUATION REQUIREMENTS**

Students must pass the following STAAR End-of-Course examinations (EOCs) for graduation: Biology, Algebra, English I, English II and U.S. History.

House Bill 5 created new graduation plans effective students entering 9<sup>th</sup> grade in the 2014-2015 school year and subsequent school years. Under the new graduation plans as enacted via 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 only as authorized under state law and rules.

The District requires no additional credits beyond the number mandated by the state to graduate under the foundation program with an endorsement.

### **FOUNDATION HIGH SCHOOL PROGRAM:**

A student entering grade 9 in the 2014-2015 school year and thereafter shall enroll in the courses necessary to complete the curriculum requirements of the Foundation High School Program AND at least one endorsement. The Foundation Plan with an Endorsement requires 26 credits to graduate. Students who have satisfied the applicable requirements of the Foundation Plan and earn an Endorsement, the Distinguished Level of Achievement, and/or a Performance Acknowledgement shall have those completions documented on the academic achievement record (AAR), also known as the high school transcript.

As you set educational goals, please review the requirements for graduation. Requirements for grades 9-12 are specified in the chart that follows.

	<b>FHSP+Endorsement</b>	<b>FHSP+DLA</b>
<b>English</b>	English 1 English 2 English 3 Adv English	English 1 English 2 English 3 Adv English
<b>Math</b>	Algebra 1 Geometry Adv Math Adv Math	Algebra 1 Geometry Algebra 2 Adv Math
<b>Science</b>	Biology IPC or Adv Science Adv Science Adv Science	Biology IPC or Adv Science Adv Science Adv Science
<b>Social Studies</b>	W Geo or W Hist US History Gov/Econ	W Geo or W Hist US History Gov/Econ
<b>LOTE</b>	2 yrs same language	2 yrs same language
<b>Fine Art</b>	1 credit	1 credit
<b>PE</b>	1 credit	1 credit
<b>Speech</b>	0.5 credit	0.5 credit
<b>Electives</b>	7 credits	7 credits
<b>Credits</b>	26	26
<b>Notes</b>	See endorsement completion	Must earn endorsement; Eligible for top 10% automatic TX university admission

**Endorsement Completion:** In order to earn an Endorsement, a student must successfully complete the curriculum requirements consisting of a coherent sequence of courses in at least one of the following categories:

- Arts and Humanities
- Business and Industry
- Agriculture
- STEM
- Multidisciplinary Studies
- Four credits in Advanced Placement or Dual Credit Courses
- Four credits in each of the four foundation subject areas to include English IV, Chemistry and/or Physics

**Distinguished Level of Achievement:** A student may earn this designation by successfully completing the curriculum requirements for the Foundation High School Program, successfully completing the curriculum requirements for at least one Endorsement, and must successfully enroll and complete Algebra 2 as one of the four mathematics credits.

**Performance Acknowledgements:** A student may earn this designation for outstanding performance in several manners:

- Dual Credit
- Successful completion of at least 12 hours of college academic courses (4 classes), earning a grade of 3.0 (B average) or higher on a scale of 4.0
- Bilingualism and Bi-literacy
- Demonstrate proficiency in two or more languages by completing all English Language Arts requirements, maintaining a minimum grade of 80 on a scale of 100
- Complete minimum of three credits in the same language in a language other than English, maintaining a minimum grade of 80 on a scale of 100
- College Board Advanced Placement
- Earn a score of 3 or higher on a College Board Advanced Placement examination
- PSAT / ACT / SAT
- Earn a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, or part of the National Hispanic Recognition Program, or part of the National Achievement Scholarship Program
- Earn a combined critical reading and mathematics score of at least 1250 on the SAT
- Earn a composite score on the ACT exam (without writing) of 28

## ENDORSEMENTS

- A student entering 9th grade must indicate an endorsement he or she plans to follow.
- A student may change or add an endorsement at any time.
- A student may graduate without earning an endorsement if, after his or her sophomore year,
- the student's parent signs a form permitting the student to omit the endorsement requirement.

Brazos High School offers four endorsements to choose from – STEM, Business and Industry, Arts and Humanities, and Multi-Disciplinary

### ***Your Multi-Disciplinary Endorsement Options***

Choose one of two options to earn your **Multi-Disciplinary** endorsement

- Complete four credits in Dual-Credit in the following areas:
  - English
  - Mathematics
  - Science
  - Social Studies
  - Economics
  - Languages other than English
  - Fine Arts
- Complete four credits in **each** of the following content areas:
  - English
  - Mathematics including Algebra II
  - Science
  - Social Studies

## ***Your Business and Industry Endorsement Options***

Choose one of three options to earn your **Business & Industry** endorsement. You can complete consecutive levels:

- **Agriculture, Food, & Natural Resources**
  - Power Systems
    - Principles of Ag (9<sup>th</sup> grade)
    - AG Mech (10<sup>th</sup> grade)
    - AG Fab (11<sup>th</sup> grade)
    - AG Power (12<sup>th</sup> grade)
  - Animal Science
    - Principles of Ag (9<sup>th</sup> grade)
    - Livestock Production (10<sup>th</sup> grade)
    - Vet Medical (11<sup>th</sup> grade)
    - Advanced Animal Science (12<sup>th</sup> grade)
- **Business Management & Administration**
  - Business and Financial Management
    - BIM (9<sup>th</sup> grade)
    - Principles of Business/ Money Matters (10<sup>th</sup> grade)
    - Accounting I (11<sup>th</sup> grade)
    - Statistics (12<sup>th</sup> grade)

## ***Your STEM Endorsement Options***

Choose one of three options:

- **Mathematics – 5 Math Credits**
  - Algebra I
  - Geometry
  - Algebra II
  - Any two additional courses in which Algebra II is a prerequisite
- **Science – 5 Science Credits**
  - Biology
  - Chemistry
  - Physics
  - Any two additional Science courses
- **Science & Math Combination**
  - Successfully complete Algebra I, Geometry, Algebra II, Chemistry & Physics plus 3 additional credits from either Math &/or Science



## ***Your Arts and Humanities Endorsement Options***

Choose one of three options to earn your remaining **Arts & Humanities** endorsement credits. You can:

- Complete five total **Social Studies** credits
  - World Geography
  - World History
  - US History
  - Government
  - Economics
  - Intro to Psychology (Dual Credit Only)
  - Intro to Sociology (Dual Credit Only)
- 4 credits in **Music**
  - Band I-IV
  - Music 1301 (Dual Credit Only)
- 4 credits in **Art**
  - Art I- IV
  - Art Appreciation (Dual Credit Only)
- 4 credits in **Fine Arts (Music &/orArt)**

**Automatic College Admissions:** 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. The only exception to this rule is in regards to the University of Texas in Austin, who will notify high schools the exact percentage that will be automatically accepted one year prior to the expected graduation date.

**In order to receive a Texas high school diploma:** a student must complete all the necessary credits for graduation and must satisfactorily meet all the testing requirements

### **College Considerations**

**Requirements for Admission to Public Universities in Texas** = Beginning with the 2007-2008 school year, House Bill 3826, 80th Texas Legislature, added the requirement that students meet one or more of the following thresholds in order to be considered for admissions to any general academic teaching institution, including those with open enrollment policies:

- Successfully complete the recommended or advanced high school program.
- Successfully complete a curriculum that is equivalent in content and rigor to an advanced high school program at a high school that does not offer such a program
- Satisfy the College Readiness Benchmarks on the ACT assessment; or
- Earn a score of at least 1500 out of 2400 on the SAT assessment.

The statute does not apply to students entering public junior and community colleges. Once admitted and credit earned at the junior college level, students may then apply and transfer to a general academic teaching institution.

**Top Ten Percent Rule** = The Distinguished Level of Achievement must be earned to be admitted to a Texas public university under the Top 10 percent automatic admission law.

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

**Brazos High School Course Offerings 2017-18**

<b>ENGLISH</b>	<ul style="list-style-type: none"> <li>★ English I (9)</li> <li>★ English I Honors (9)</li> <li>★ English II (10)</li> <li>★ English II Honors(10)</li> <li>★ English III (11)</li> <li>★ ENGL1301/1302 Honors/Dual Credit [Adv. Measure] (UTPB)(WCJC)</li> <li>★ English IV (12)</li> <li>★ ENGL 2322/2323 Honors/Dual Credit[Adv. Measure] (UTPB)</li> <li>★ ENGL 2327/2328 Honors/Dual Credit [Adv. Measure] (UTPB)</li> </ul>
<b>MATH</b>	<ul style="list-style-type: none"> <li>★ Algebra I (9)</li> <li>★ Geometry (10)</li> <li>★ Geometry Honors (9,10)</li> <li>★ Math Models (10,11)</li> <li>★ Algebra II (11, 12)</li> <li>★ Algebra II Honors (10, 11)</li> <li>★ College Prep Math (12)</li> <li>★ Pre-Calculus Honors (11, 12)</li> <li>★ Math in Ag (12)</li> <li>★ Statistics and Risk Management (12)</li> <li>★ AP Calculus [Adv. Measure] (12)</li> <li>★ MATH 1314 (UTPB)</li> <li>★ Math 2412/2413 (UTPB)</li> </ul>
<b>SCIENCE</b>	<ul style="list-style-type: none"> <li>★ Biology (9)</li> <li>★ Biology Honors (9)</li> <li>★ IPC (10)</li> <li>★ Chemistry (10,11)</li> <li>★ Chemistry Honors (10)</li> <li>★ Physics (11,12)</li> <li>★ Physics Honors (11)</li> <li>★ Anatomy &amp; Physiology Honors (12)</li> <li>★ Environmental Science (12)</li> <li>★ Advanced Animal Science (12)</li> </ul>
<b>SOCIAL STUDIES</b>	<ul style="list-style-type: none"> <li>★ World Geography (9)</li> <li>★ World Geography Honors (9)</li> <li>★ World History (10)</li> <li>★ World History Honors (10)</li> <li>★ US History (11)</li> <li>★ Dual Credit US History [Adv. Measure] (11) (UTPB)(WCJC)</li> <li>★ Government (12)</li> <li>★ Dual Credit Government [Adv. Measure] (12) (WCJC)</li> <li>★ Economics (12)</li> <li>★ Dual Credit Economics [Adv. Measure] (12) (WCJC)</li> <li>★ PSYC 1301 (UTPB)</li> <li>★ SOC 1301 (UTPB)</li> </ul>

<b>AGRICULTURE</b>	<ul style="list-style-type: none"> <li>★ Principles of Agriculture</li> <li>★ Ag Mechanics</li> <li>★ Ag Fabrication</li> <li>★ Ag Power Systems</li> <li>★ Livestock Production/<del>Small Animal Management</del></li> <li>★ Wildlife/<del>Range Ecology</del></li> <li>★ Vet Medical</li> <li>★ Advanced Animal Science</li> <li>★ Math in Ag (12)</li> <li>★ Professional Communication *</li> <li>★ COMM 1315 (UTPB) **</li> </ul>
<b>BUSINESS</b>	<ul style="list-style-type: none"> <li>★ BIM (Business and Information Management)</li> <li>★ BIM II</li> <li>★ DIM (Digital and Interactive Media)</li> <li>★ Principles of Business</li> <li>★ Money Matters</li> <li>★ Accounting I</li> <li>★ Statistics and Risk Management (12)</li> <li>★ Career Preparation I (11)</li> <li>★ Career Preparation II (11 or 12)</li> <li>★ Yearbook I-IV (local credit)</li> </ul>
<b>MUSIC/ FINE ARTS</b>	<ul style="list-style-type: none"> <li>★ BAND I</li> <li>★ BAND II</li> <li>★ BAND III</li> <li>★ BAND IV</li> <li>★ MUSC 1301 (UTPB)</li> <li>★ ART I</li> <li>★ ART II</li> <li>★ ART III</li> <li>★ ART IV</li> <li>★ ART 1301 (UTPB)</li> <li>★ Floral Design</li> <li><del>★ Jazz Band</del></li> </ul>
<b>FOREIGN LANGUAGE</b>	<ul style="list-style-type: none"> <li>★ Spanish I</li> <li>★ Spanish II</li> <li>★ Spanish III</li> <li>★ Spanish 1411 Dual Credit [Adv. Measure] (11) (UTPB)</li> <li>★ Spanish 2311 Dual Credit [Adv. Measure] (12) (UTPB)</li> </ul>
<b>PHYSICAL EDUCATION</b>	<ul style="list-style-type: none"> <li>★ Athletics I</li> <li>★ Athletics II</li> <li>★ Athletics III</li> <li>★ Athletics IV</li> <li>★ PE (I-IV)</li> <li>★ Marching Band (I-IV)</li> </ul>

\* District Requirement

\*\* Maybe substituted for District Requirement

## **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 TAKS test are introduced and emphasized.

#### **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 TAKS test are emphasized.

#### **English III**

Credit: 1

Grade: 11

Prerequisite: English II

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

#### **English III (Dual Credit: ENGL 1301 & 1302)**

Credit: 1

Grade: 11

Prerequisite: English II

Enrichment of Regular English III for the advanced student (must have teacher recommendation) and meet college entrance requirements. Offered at WCJC and University of Texas Permian Basin. Must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND THE PURCHASE OF TEXTBOOKS

#### **English IV**

Credit: 1

Grade: 12

Prerequisite: English III

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

**English IV (Dual Credit) ENGL 2322 & 2323 OR ENGL 2327 & 2328**

Credit: 1

Grade: 12

Prerequisite: English 1301

Enrichment of Regular English IV for the advanced student (must have teacher recommendation) and meet college entrance requirements. Offered through University of Texas Permian Basin.

Must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND THE PURCHASE OF TEXTBOOKS

**Professional/ Speech Communications \*\* ½ credit required**

Credit: ½

Grade: 9 - 12

Prerequisite: None

The study of one-to-one Communications, group communications, and speech preparation, presentation, and analysis, dealing with stage fright and listening skills. This is a general life skills speech course.

**Intro to Public Speaking (Dual Credit: COMM 1315) Maybe substituted for District Speech Requirement**

Credit: ½

Grade: 9 - 12

Prerequisite: None

The study of one-to-one Communications, group communications, and speech preparation, presentation, and analysis, dealing with stage fright and listening skills. Offered through University of Texas Permian Basin. Meet college entrance requirements. Must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND THE PURCHASE OF TEXTBOOKS

## **MATHEMATICS**

### **Algebra I**

Credit: 1

Grade: 9

Prerequisite: None

Basic language of algebra, signed numbers, inequalities, exponents, polynomials, factoring, functions, graphs, lines and slopes, radicals, quadratics and problem solving.

### **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

Prerequisite: Must have completed Algebra I with a 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 Euclidian 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 PreCalculus Honors and AP Calculus

## **MATH 1314 College Algebra**

Credit:

Grade: 12

Prerequisite: College level course offered through University of Texas Permian Basin; and student must be TSI College Ready or TSI exempt. **NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND THE PURCHASE OF TEXTBOOKS.**

Study of quadratics, polynomial, rational, logarithmic, and exponential functions; systems of equations; progressions; sequences and series; and matrices and determinants.

## **Math Models**

Credit: 1

Grade: 10-11

Prerequisite: Algebra I/Geometry

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

## **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.

## **Calculus AP**

Credit: 1

Grade: 11 - 12

Prerequisite: Pre-Calculus

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.



**College Prep Math**

Credit: 1

Grade: 12

Prerequisite: have not met TSI math standard

A study of arithmetic operations, basic algebraic concepts and notation, geometry, real and complex number system, relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical and rational), with special emphasis on linear and quadratic expressions and equations.

**Math in Ag, Food, and Natural Resources**

Credit: 1

Grades: 12 (11 for House Bill 5 students)

Pre-Requisite: Three years of Math classes (Two years of math for House Bill 5 students)

Students will apply math skills already learned in previous math classes to the Agriculture, Food, and Natural Resources Industries. This is a CTE course that counts as a math credit.

**Statistics and Risk Management**

Credit: 1

Grades: 12

The Statistics and Risk Management e covers the general areas of describing data, probability, confidence intervals, hypothesis testing, regression, money flow, financial resources, data forecasting and management, fiscal stability, risk management strategies, and production. This is a CTE course that counts as a math credit.

**MATH 2412 Precalculus**

Credit:  $\frac{1}{2}$

Grade: 12

Prerequisite: College level course offered through University of Texas Permian Basin; and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND THE PURCHASE OF TEXTBOOKS.

College algebra (sets, functions, relations, logic), trigonometry (circular functions, logarithms and exponential functions), and analytic geometry (standard form conic sections). Prerequisite: Two years of high school algebra, one year of high school geometry and satisfactory score on placement examination or completion of MATH 1314 or MATH 1324

**MATH 2413 Calculus I**

Credit:  $\frac{1}{2}$

Grade: 12

Prerequisite: College level course offered through University of Texas Permian Basin; and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND THE PURCHASE OF TEXTBOOKS.

Differentiation of functions of one variable, introduction to integration. Prerequisite: MATH 2412 or satisfactory score on placement examination.

## **SCIENCE**

### **Biology**

Credit: 1

Grade: 9

Prerequisite: None

Expands and refines biological concepts and skills introduced in junior high life science.

Provides students with sufficient background for college biology.

### **Honors Biology**

Credit: 1

Grade: 9

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

### **Integrated Physics and Chemistry (IPC)**

Credit: 1

Grade: 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.

### **Honors Chemistry**

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

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.

**Honors Physics**

Credit: 1

Grade: 11 - 12

Prerequisite: Two years 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 academics expectations while utilizing opportunities for independent research.

**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.

**Environmental Systems**

Credit: 1 Grade: 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**

Grades: 12

Pre-Requisites: Biology

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 whom wish to pursue a career in the Veterinary, Agriculture Education, or Animal Production fields. This 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:

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: 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.

### **Dual Credit United States History (HIST 1301 & 1302)**

Credit: 1

Grade: 11

Prerequisite: College level course offered through Wharton County Jr. College & University of Texas Permian Basin; and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND THE PURCHASE OF TEXTBOOKS.

**US Government**

Credit: ½

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.

**Dual Credit US Government**

Credit: ½

Grade: 12

Prerequisite: College level course offered through Wharton County Jr. College; and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND THE PURCHASE OF TEXTBOOKS.

**Economics**

Credit: ½

Grade: 12

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

**Dual Credit Economics**

Credit: ½

Grade: 12

Prerequisite: College level course offered through Wharton County Jr. College and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND PURCHASE OF TEXTBOOK.

**PSYC 1301 Introduction to Psychology**

Credit: ½

Grade: 10-12

Prerequisite: College level course offered through University of Texas Permian Basin and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND PURCHASE OF TEXTBOOK.

Foundation for the understanding of basic psychological principles affecting human behavior

**SOCI 1301 Introduction to Sociology**

Credit: ½

Grade: 10-12

Prerequisite: College level course offered through University of Texas Permian Basin and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND PURCHASE OF TEXTBOOK.

Students are introduced to the basic concepts and theories used to study the nature of social processes and the structure of society.

## **Languages other than English (LOTE)**

*Recommended plan requires two credits of a language other than English.*

*Distinguished plan requires three credits.*

*Foundation Plan and Foundation plus Endorsement requires 2 credits.*

### **Spanish I**

Credit: 1 (elective)

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 (elective)

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 (elective)

Grade: 10 12 Prerequisite: Spanish II

At the completion of this course, students are able to communicate up to certain extent in Spanish and have increased their comprehension and oral proficiency. More attention is given to use of the students subjunctive mood by writing compositions and reading short stories. Teacher recommendation required.

### **SPAN 1411 A Beginning Course in Spanish I**

Credit: 1 (elective)

Grade: 9 - 12

Prerequisite: None

College level course offered through University of Texas Permian Basin and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND PURCHASE OF TEXTBOOK.

An introduction to the basic language skills-- listening, speaking, reading, and writing--with emphasis on listening and speaking.

**SPAN 1412 A Beginning Course in Spanish II**

Credit: 1 (elective)

Grade: 9 - 12

Prerequisite: SPAN 1411 or one year of high school Spanish.

College level course offered through University of Texas Permian Basin and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND PURCHASE OF TEXTBOOK.

A continuation of SPAN 1411.

**SPAN 2311 A Second Year Course in Spanish I**

Credit: 1 (elective)

Grade: 10 - 12

Prerequisite: SPAN 1411 and 1412

College level course offered through University of Texas Permian Basin and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND PURCHASE OF TEXTBOOK.

Grammar, readings, cultural background, conversation, and composition.

**SPAN 2312 A Second Year Course in Spanish II**

Credit: 1 (elective)

Grade: 10 - 12

Prerequisite: SPAN 2311

College level course offered through University of Texas Permian Basin and student must be TSI College Ready or TSI exempt. NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND PURCHASE OF TEXTBOOK.

A continuation of SPAN 2311.

## **FINE ARTS**

Minimum requirements for graduation on all plans: 1 credit

### **Art I**

Credit: 1 (elective)

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 (elective)

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 (elective)

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 (elective)

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.

### **Art 1301 – Art Appreciation**

Credit: .5

Grade: 9 – 12

Prerequisite: Meet college entrance requirements. Must be TSI College Ready or TSI exempt.

**NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND THE PURCHASE OF TEXTBOOKS**

The study of art, its role in society, the creative process and standards of artistic judgment.



**Band I, II, III, IV**

Credit: 1 - 4 (elective)

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.

**MUSI 1301 Jazz, Pop & Rock**

Credit: .5

Grade: 9 – 12

Prerequisite: Meet college entrance requirements. Must be TSI College Ready or TSI exempt.

**NOTE: THIS COURSE REQUIRES PAYMENT OF APPLICABLE FEES AND THE PURCHASE OF TEXTBOOKS**

Historical introduction to jazz and the American popular song, including rock and roll. No prerequisites.

**Principles of Floral Design**

(\$30 Lab Fee Required for the Year)

Credit: 1

Grade: 9 - 12

Pre-Requisite: Principles of Agriculture, Food & Natural Resources

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.

## **PHYSICAL EDUCATION/ATHLETICS**

Minimum requirements for graduation on all plans: 1 credit

### **Girls/Boys Physical Education I -II**

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.

### **Physical Education III**

Credit: 1

Grade: 11 - 12

Prerequisite: Approval of counselor

A course about continued opportunities to develop, maintain and understand physical fitness. Emphasis is on knowledge and skills for leisure and lifetime sports.

### **Physical Education IV**

Credit: 1 (elective)

Grade: 12

Prerequisite: Approval of counselor

Students participate in a program planned to meet a wide range of individual interests stressing development of family and physical recreation.

### **Girls and Boys Athletics**

Credit: 1 (elective)

Grade: 9 - 12

Prerequisite: Placement is based on tryouts

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 & softball).

## **CAREER AND TECHNOLOGY COURSES**

### **BUSINESS**

#### **Business Information Management I**

Credit: 1 (elective)

Grade: 9-10

Prerequisite: None

Develops technology skills with applications to personal or business situations focusing on word processing, spreadsheets, databases, telecommunications, desktop publishing, presentation management, networking, operating systems, emerging technologies and intermediate-level skills.

#### **Business Information Management II**

Credit: 1 (elective)

Grade: 10-12

Prerequisite: BIM I

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or post-secondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make electronic presentations using appropriate multimedia software.

#### **Principles of Business, Marketing, and Finance**

Credit: 1

Grade Placement: 10-12

Prerequisite: None

Students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. The course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

#### **Digital Interactive Media**

Credit: 1

Grade: 10-12

Prerequisite: BIM

Students recognize, evaluate and prepare for a rapidly evolving global business environment by applying technical skills to address business application of emerging technologies. Students enhance reading, writing, computing, communications, and reasoning skills and apply these skills to the business environment. Students will complete the course with an intermediate skill level in desktop publishing and web page design. Software learned in this course includes Microsoft Publisher, Word, PowerPoint, and Adobe Dreamweaver, Photoshop and Illustrator.

**Money Matters**

Credit: 1

Grades: 9-12

Prerequisite: None

Students will gain a very good understanding of budgeting, credit use, setting financial goals, savings and investments options. Students will also gain knowledge on the free market system with emphasis on basic economic indicators, functions of money, and monetary policy.

**Accounting**

Credit: 1 (elective)

Grades: 11-12

Prerequisite: BIM, Principles of Business

Presents basic principles of accounting for business as well as personal use.

**Statistics and Risk Management**

Credit: 1

Grades: 12

The Statistics and Risk Management e covers the general areas of describing data, probability, confidence intervals, hypothesis testing, regression, money flow, financial resources, data forecasting and management, fiscal stability, risk management strategies, and production. This is a CTE course that counts as a math credit.

**Yearbook I, II, III IV(LOCAL CREDIT)**

Credit: 1

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.

**Career Preparation I & II**

Credit: 1-3 (elective)

Grade: 11 - 12

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

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.

## AGRICULTURE

### **Principles of Agriculture, Food & Natural Resources**

Credit: 1

Grades: 9

Pre-Requisite: None

This is an introduction to all aspects of the agriculture industry. Students will gain academic as well as career knowledge and skills related to the agriculture industry and learn things related to world agriculture, horticulture, animal science, food science, and floriculture and Ag mechanics.

### **Livestock Production** (even school years *i.e 16-17, 18-19*)

Credit: 1

Grades: 10-12

Pre-Requisite: Principles of Agriculture, Food & Natural Resources

This class is designed to develop a basic understanding of the livestock and equine industries. Topics of discussion will include beef cattle, sheep, goats, chickens, and horse, donkeys and mules.

### **Small Animal Management** (even school years ~~*i.e 16-17, 18-19*~~)

~~Credit: ½~~

~~Grades: 10-12~~

~~Pre-Requisite: Principles of Agriculture, Food & Natural Resources~~

~~This course is designed to prepare students in the field of small animal management. It will provide students the skills regarding career opportunities, entry requirements, and industry expectations in veterinary and other careers related to small animals. Students will develop knowledge and skills pertaining to animal ownership, industry hazards, current topics associated with animal rights/welfare, management and career opportunities. Suggested small animals which may be included in the course of study include, but are not limited to small mammals, amphibians, reptiles, avian, dogs and cats.~~

### **Wildlife, Fisheries, and Ecology Management** (odd school years *i.e. 17-18, 19-20*)

Credit: 1

Grades: 10-12

Pre-Requisite: Principles of Agriculture, Food & Natural Resources

This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices and to develop students' understanding of rangeland ecosystems and sustainable forage production.

### **Rangeland Ecology** (odd school years ~~*i.e. 17-18, 19-20*~~)

~~Credit: 1~~

~~Grades: 10-12~~

~~Pre-Requisite: Principles of Agriculture, Food & Natural Resources~~

~~The focus of this class is to develop students' understanding of rangeland ecosystems and sustainable forage production.~~

### **Agricultural Mechanics and Metal Technologies**

Credit: 1

Grades: 10-12

Pre-Requisite: Principles of Agriculture, Food & Natural Resources

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 metal working techniques. There will be a lab fee of \$10 to go towards the cost of supplies for projects that the students will get to take home, if they have paid the lab fee.

### **Agricultural Structures Design and Fabrication (Advanced Ag Mechanics I)**

Credit: 1

Grades: 11-12

Pre-Requisite: Ag Mechanics & Metal Technologies

This class can be taken as a 1 or 2 hour class - 2 hour class requires teacher approval

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.

### **Agricultural Power Systems (Advanced Ag Mechanics II)**

Credit: 2

Grades: 12

Pre-Requisite: Ag Mechanics & Metal Technologies

This class can be taken as a 1 or 2 hour class - 2 hour class requires teacher approval

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.

### **Principles of Floral Design**

(\$30 Lab Fee Required for the Year)

Credit: 1

Grades: 10-12

Pre-Requisite: Principles of Agriculture, Food & Natural Resources

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.

### **Mathematical Applications in Agriculture, Food, and Natural Resources**

Credit: 1

Grades: 12

Pre-Requisite: Three years of Math classes

Students will apply math skills already learned in previous math classes to the Agriculture, Food, and Natural Resources Industries. This course also counts as a math credit.

### **Veterinary Medical Applications**

Credit: 1

Grades: 10-12

Pre-Requisite: Principles of Agriculture, Food, and Natural Resources; Completion or concurrent enrollment in Livestock Production/Small Animal Management

Students will learn skills necessary for entry level positions as a Certified Veterinary Medical Assistant as well as basic anatomy, disease transmission, treatment techniques, lab procedures, emergency procedures and client interactions. Students will participate in hands-on training at a local veterinary clinic and prepare for the Certified Veterinary Medical Assistant Level 1 Exam.

### **Advanced Animal Science**

Credit: 1

Grades: 12

Pre-Requisites: Biology, Principles of Agriculture, Food & Natural Resources

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 whom wish to pursue a career in the Veterinary, Agriculture Education, or Animal Production fields. This course also counts as science credit.

### **Professional/ Speech Communications \*\* ½ credit required**

Credit: ½

Grade: 9 - 12

Prerequisite: None

The study of one-to-one Communications, group communications, and speech preparation, presentation, and analysis, dealing with stage fright and listening skills. This is a general life skills speech course.

## **OTHER ELECTIVES**

### **Student Leadership**

Credit: ½

Grade: 10-12

Teen Leadership is a program in which students develop leadership, professional, and business skills. They learn to develop a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility. They will develop an understanding of Emotional Intelligence and the skills it measures, which include self-awareness, self-control, self-motivation, and social skills. Students will develop skills in public speaking and communication and an understanding of personal image. They will develop an understanding of the effects of peer pressure, will develop skills to counteract those effects and will develop problem-solving skills. They will develop an understanding of the principles of parenting, enabling them to become better family members and citizens. They will also develop an understanding of the need for vision in goal-setting, personally and professionally.

### **PALS**

Credit: ½- 1 credit

Grade: 11 or 12

Prerequisites: Seniors only; **must have transportation**; must have completed all core requirements and passed all EOCs; approval required.

This course provides selected students with an opportunity to be trained to work as a Peer facilitator with younger students. PAL students will learn skills which will provide them to help younger students have a more positive and productive school experience. The mission of the Peer Assistance and Leadership class (PAL) is to provide a positive role model for the students Brazos ISD. The students in the PAL class will spend time in team building activities and leadership training. The primary purpose is to mentor young students at the elementary, sharing their time and talents with these young students. They build relationships, mentor, tutor, and strive to build positive character traits. PALs also support the high school environment by participating in school events, supporting other student groups, performing community service, and working to promote a positive environment.

### **Office Aide (LOCAL CREDIT ONLY)**

Credit: 1 credit

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.