

# Brazosport Independent School District



## BISD Graduate Profile

### B\*FutureReady for Global Citizenship

- Effective Communicator
- Respectful of Self, Others and Community
- Personally/Socially/Civically Responsible
- Collaborator
- Self & Service Minded
- Cultural & Global Competence
- Digitally Responsible

### B\*FutureReady for Life & Career Skills

- Core Academic Foundation
- Managing Complexity
- Innovative & Inventive Thinker
- Analytical Thinker
- Problem Solver
- Prepared for Higher Education or Job Skills

### B\*FutureReady for Learning & Innovation

- Self Directed Learner
- Curious
- Creative
- Risk Taker
- Social/Emotional Well Being
- Flexible
- Adaptable

Tradition Rich & Future Ready!



**Brazosport High School**  
**Brazoswood High School**

**EDUCATIONAL PLANNING GUIDE**  
**2016-2017**



# **Brazosport Independent School District**

## **2016-2017 Course Selection Guide**

**Curriculum & Instruction Department**



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<b>Tracie Phillips</b> Executive Director of Administrative Services
<b>Daniel Schaefer</b> Chief Finance & Governmental Affairs Officer
<b>Ron Redden</b> Executive Director of Compliance & Data Quality
<b>Clara Sale-Davis</b> Chief Academic Officer
<b>Jay Whitehead</b> Assistant Superintendent of Human Resources & Support Services

## CAMPUS ADMINISTRATORS

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**Brazoswood High School**  
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**Principal: Rita Pintavalle**

**B\*Success Academy**  
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**Principal: Charles Hawkins**



Committed to Excellence in Education

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Clute, TX 77531

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Clara Sale-Davis  
Chief Academic Officer

January 2016

Dear Parents and Students,

Brazosport Independent School District is excited to present the 2016-2017 Educational Planning Guide which provides information on all courses available at our two outstanding high schools: Brazosport and Brazoswood. It is our desire that you work in partnership with your son/daughter in designing an academic plan that is of high interest, challenging, and provides enriching opportunities for exploration. This publication links the selection of courses with possible career pathways that students may pursue following graduation. A successful high school path is the key to future success in higher education and workforce training. Students and parents are encouraged to give thoughtful planning to the course selections and to the type of program that would best support a desired career path. Planning a path helps make education relevant to a student's future.

This guide presents five endorsements (Science, Technology, Engineering and Mathematics [STEM], Business and Industry, Public Services, Arts and Humanities, and Multi-Disciplinary Studies) and will provide detailed information on the Distinguished Level of Achievement Plan. Endorsements help create a personalized graduation plan in line with a student's career interests and post-secondary goals. Students may also earn more than one endorsement if they have additional class time and courses are available. The guide also provides information about early graduation, dual credit, and advanced placement opportunities.

Wonderful opportunities are available for each and every student in BISD. This guide is a tool to help students make choices that will impact their future. Please know that our high school counselors and administrators are here to provide additional support throughout this course selection process. We are committed to ensuring that our students learn at high levels and are amply prepared for becoming future-ready!

Best wishes for a wonderful high school experience.

Sincerely,

A handwritten signature in black ink that reads 'Clara Sale-Davis' in a cursive script.

Clara Sale-Davis

Chief Academic Officer

## SECONDARY ADMINISTRATIVE & INSTRUCTIONAL PERSONNEL

Advanced Academics	DeDee Willson, Coordinator
Assessment	Randy Wuensche, Coordinator
Assessment & Accountability	John Murtell, Director
Athletic Services at Brazoswood	Dean DeAtley, Associate Director
Athletic Services at Brazosport	Ben Rudolph, Associate Director
Career & Technical Education	Jennifer Edenfield, Director
Digital Learning	Lindsey Blackstock, Coordinator
Dyslexia	Leeann Rudolph, Coordinator
English Language Arts	Kathleen Lindsey, Coordinator
Federal Programs	Denise Babb, Director
Federal Programs	Jean May, Coordinator
Health Services	Molly James, Coordinator
Homeless	Stacey McCoy, Social Worker
Language Acquisition	Marianella Moore, Director
Mathematics	Sandra Consilio, Coordinator
Media & Digital Learning	Nancy Gardner, Director
Prevention Services	Tonya Heard, Coordinator
Science	Jenna Clements, Coordinator
Social Studies	Angela McCabe, Coordinator
Special Education	Lorin Furlow, Director
Student Services	Robin Pelton, Director



# REQUIREMENTS FOR GRADUATION

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## Classifications of Students

Student classification is determined by the number of credits accumulated by the end of the preceding year.

- To be a ninth grade student (Freshman)..... \*Completion of Eighth Grade Requirements**
- To be a tenth grade student (Sophomore)..... 6 Credits Required**
- To be an eleventh grade student (Junior) .....12 Credits Required**
- To be a twelfth grade student (Senior) .....19 Credits Required**
- Foundation Graduation Plan (available to all students) .....22 Credits Required**
- To Graduate with an Endorsement .....26 Credits Required**
- Recommended or Distinguished Plan (2016, 2017 graduates) .....26 Credits Required**

\*Units of High School credit are determined by the semester average in each course attempted. The State of Texas has set 70 as a minimum-passing grade. For each semester course passed with a 70 or above, the student receives 1/2 credit or more.

## High School Credit for Intermediate School Courses

Students with passing grades for both semesters (full year) at the Intermediate level will receive credit on their high school transcript as indicated on the chart below. Once credit is awarded, students cannot *repeat the course*. *Grades earned in intermediate school will not be calculated in the high school GPA. High school courses will only be offered to 8<sup>th</sup> grade students.*

Intermediate School Course	Type of High School Credit Earned With Passing Grades	Next Course To Be Taken in High School
Spanish I - full year	1 Spanish I credit	Spanish II
Algebra I Pre-AP – full year	1 math credit	Geometry or Geometry Pre-AP

# Brazosport Independent School District

## Early Graduate Agreement

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Student's Name (please print) \_\_\_\_\_ Grade \_\_\_\_\_  
Cohort Year \_\_\_\_\_ Desired Graduation Date M/Y \_\_\_\_\_/\_\_\_\_\_

A student desiring to develop a plan to graduate early must understand and agree to the following:

- An application of intent to graduate early must be filed prior to September 15th of the students 3rd year of high school. [Early Graduation Application](#)
- Students desiring a plan for early graduation and their parents agree to assume all of the responsibility and costs for all accelerated coursework needed beyond courses offered by BISD during the regular school year, which includes: correspondence courses, dual credit courses, credit by exams, and any approved methods for obtaining credits.
- Student and parents desiring a plan for early graduation agree to consult with the student's counselor and develop a written plan for acquiring required credits to graduate early.
- All high school students who apply to graduate early must complete the requirement for either the Recommended or Distinguished Achievement High School Program unless the student, the student's parent/guardian and a school administrator agree in writing that there are extenuating circumstances or extreme hardships. If an agreement is reached then the student will be allowed to graduate under the Minimum High School Program and will adhere to the requirements outlined in Education Code 28.025(b), (b-6).
- Students planning to graduate early may have their grade roll moved up to 12th grade if they have 19 credits at the beginning of the school year or 22.5 credits after the first semester. Students who have a plan to graduate early will be given the opportunity to participate in senior activities including: senior pictures, project graduation, scholarships, and commencement exercises.
- Student must complete all graduation requirements prior to graduation ceremonies in order to participate including all course credits and state mandated testing requirements.
- An early graduate will share a class rank with the student in the senior class where the early graduate's GPA falls in the ranking, but the early graduate will not displace a 4 year senior from their ranked position in their class. Early graduates may graduate with honors if they meet the criteria.
- A student who begins the early graduation process and chooses not to continue or fails to complete all graduation requirements will be removed from the early graduate list, and the student agrees to carry a full load of classes in the succeeding semester.

Student's Signature \_\_\_\_\_ Date \_\_\_\_\_

Parent's Signature \_\_\_\_\_ Date \_\_\_\_\_

Counselor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Principal's Signature \_\_\_\_\_ Date \_\_\_\_\_



## CLASS RANK

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Class rank indicates how a student's grades compare with those of other students in his/her class. Semester averages (not full year averages), beginning with the ninth grade, are used to compute class rank. All numeric scores for college classes, distance learning and correspondence courses will be recorded and used to calculate the GPA (grade point average). Credit by Examination scores for which the student earns credit toward graduation will be recorded numerically and used to calculate the GPA.

Students will have a class rank based on a comparison with his/her classmates. Estimated class rank is determined for students at mid-term of their sophomore year. For juniors, class rank is determined in the summer immediately following the spring semester and again in August before they enter their senior year. Class rank for seniors is determined in January of their senior year. Another ranking shall be performed at the end of the 5<sup>th</sup> six-weeks of the senior year to identify honor graduates for senior awards ceremonies and commencement exercises. The 5<sup>th</sup> six-week's ranking shall not include college courses for which the student is currently enrolled. A final calculation of GPA and class rank is determined at the completion of the senior year and after commencement exercises (including all grades earned in grades 9-12) and will be reflected on the final transcript.

Any graduating student, including registered early graduates, whose grade average is 94.0 or above or whose grade average is among the top 10% will be listed as an honor graduate. Honor graduates are divided into three categories. Those with four-year averages between 98 and above are classified as Summa Cum Laude. Those with grade averages of 96 to 97.9 are classified as Magna Cum Laude. Those with grade averages of 94 to 95.9 are classified as Cum Laude.

Registered early graduates will be ranked with the class with which they graduate. Early graduates in this program may earn honor graduate status but may not displace a four-year graduate in rank. Intra-district transfers occurring in the last four semesters prior to graduation may not displace a four-year graduate in rank.

The honor of Valedictorian will be awarded to the graduate with the highest GPA. The honor of Salutatorian will be awarded to the graduate with the second highest GPA. The Valedictorian and Salutatorian must have been consecutively enrolled at the campus from which they are graduating for the last four semesters, excluding summers.



## WEIGHTED GRADES FOR DETERMINING GPA

The Brazosport schools have several Pre-AP and Advanced Placement (AP) courses in the curriculum. Pre-AP courses are special sections of selected subjects that focus on higher-level thinking skills, challenging work and projects, and/or preparation for Advanced Placement courses and examinations. The course content and pace of the courses are accelerated.

Students in Pre-AP, AP, and advanced laboratory based CTE science courses and Brazosport College dual credit courses will receive weighted grades. A grading index factor of 1.05 or 1.10 is applied to the original semester grade (refer to the table of weighted grades). Only semester grades are weighted. The Brazosport Independent School District adopted this system to encourage students to take more difficult subjects.

Our school district has adopted the following procedure since the State Board of Education has mandated that grades in excess of 100 cannot be reported. Grades earned in Pre-AP, AP and Brazosport College weighted dual credit courses will be reported on report cards to parents without the weighted factor added. However, separate records that reflect the factored semester grade will be maintained by the registrar for class rank, grade point average and for all other programs using GPA (i.e. National Honor Society).

High school students identified as gifted are served through Pre-AP/AP classes in language arts, math, social studies and science. Students who withdraw from these language arts/math/science/social studies classes are considered to have exited the district's GT program in specific content areas. Parents and students acknowledge this exit through approval of student schedules.

Current Weighted Grades		Current Weighted Grades	
English Courses	Grade	Social Studies Courses	Grade
English I,II, III Pre-AP	1.05	Human Geography AP	1.10
English III AP (Language & Composition)	1.10	United States History AP	1.10
English IV Pre-AP	1.05	United States History - Brazosport College Dual Credit	1.10
English IV Brazosport College Dual Credit	1.10	Psychology Brazosport College Dual Credit	1.10
English IV AP (Literature & Composition)	1.10	World Geography Studies Pre-AP	1.05
<b>Math Courses</b>	<b>Grade</b>	World History AP	1.10
Algebra I Pre-AP	1.05	World History Studies Pre-AP	1.05
Geometry Pre-AP	1.05	United States History Since Reconstruction Pre-AP	1.05
Algebra II Pre-AP	1.05	Psychology Pre-AP	1.05
Pre Calculus Pre-AP	1.05	Psychology AP	1.10
Statistics AP	1.10	Sociology Pre-AP	1.05
Calculus (AB & BC) AP	1.10	Sociology Brazosport College Dual Credit	1.10
Engineering Mathematics (CTE)	1.05	Economics with Emphasis on the Free Enterprise System & Its Benefits Pre-AP	1.05
ISM - College Algebra Brazosport College Dual Credit	1.10	Economics with Emphasis on the Free Enterprise System & Its Benefits Brazosport College Dual Credit	1.10
ISM - Calculus I Brazosport College Dual Credit	1.10	AP Macroeconomics	1.10
ISM - Statistics Brazosport College Dual Credit	1.10	United States Government Pre-AP	1.05
ISM - Trigonometry Brazosport College Dual Credit	1.10	United States Government - Brazosport College Dual Credit	1.10
<b>Science Courses</b>	<b>Grade</b>	United States Government and Politics AP	1.10
Biology Pre-AP	1.05	<b>Languages Other than English</b>	<b>Grade</b>
Biology Brazosport College Dual Credit	1.10	French III Pre-AP	1.05
Biology AP	1.10	French IV AP (Language)	1.10
Chemistry Pre-AP	1.05	German III PreAP	1.05
Chemistry Brazosport College Dual Credit	1.10	German IV AP (Language)	1.10
Chemistry AP	1.10	Spanish I Brazosport College Dual Credit	1.10
Physics I-AP	1.10	Spanish II Brazosport College Dual Credit	1.10
Physics II AP	1.10	Spanish III Brazosport College Dual Credit	1.10
Physics C AP	1.10	Spanish IV Brazosport College Dual Credit	1.10
Physics - Brazosport College Dual Credit	1.10	Spanish III Pre-AP	1.05
Astronomy Pre-AP	1.05	Spanish IV AP (Language)	1.10
Anatomy and Physiology (CTE)	1.10	Spanish V AP (Literature)	1.10
Scientific Research & Design: Systems Go! (Rockets 1) (CTE)	1.05	<b>Other</b>	<b>Grade</b>
Scientific Research & Design: Systems Go2! (Rockets 2) (CTE)	1.05	Creative Writing Brazosport College Dual Credit	1.10
Engineering, Design & Problem Solving: Robotics (CTE)	1.05	Studio Art - Drawing Portfolio, 2-D Portfolio, 3-D Portfolio AP	1.10
Environmental Science AP	1.10	AP Computer Science A	1.10

## TESTING REQUIREMENTS FOR GRADUATION

### Testing Requirements for Students Graduating under State of Texas Assessment of Academic Readiness (STAAR) End of Course (EOC)

Grade	
9	STAAR EOC
10	STAAR EOC
11	STAAR EOC
12	STAAR EOC

To graduate, students entering ninth are required to pass STAAR End of Course (EOC) assessments or the equivalent as established by the IGC or ARD committee.

#### What content areas does STAAR EOC include?

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

To graduate, a student must meet the Level II Met Standard score requirement for the EOC tests in English 1, English 2, Algebra 1, Biology and U.S. History.

If a student does not achieve Level II Satisfactory or above on any state required EOC assessment, the student must retake the assessment until a Level II Met Standard or above is attained. A student is not required to retake a course as a condition of retaking an EOC assessment.

**Can I see sample questions for the STAAR EOC questions?** Release STAAR EOC questions can be found at [www.tea.state.tx.us/student.assessment/STAAR/](http://www.tea.state.tx.us/student.assessment/STAAR/)

#### Senate Bill 149 – Individual Graduation Committee – Requirements

To be eligible to graduate and receive a high school diploma, a student must successfully complete the curriculum requirements. BISD high schools and the Alternate Education Campus will establish an Individual Graduation Committee (IGC) for any 12<sup>th</sup> grade student who has failed to comply with the end-of-course assessment instrument performance requirements under Section 39.025, in not more than two subjects. The student's individual graduation committee established under the state law must recommend additional requirements by which the student may qualify to graduate including:

1. Additional remediation; and
2. For each end-of-course assessment instrument on which the student failed to perform satisfactorily:
  - a. The completion of a project related to the subject area of the course that demonstrates proficiency in the subject area; or

- b. The preparation of a portfolio of work samples in the subject area of the course, including work samples from the course that demonstrate proficiency in the subject area.

**The IGC must consider these 15 sources of information:**

1. Relevant teacher's or teachers' recommendation(s)
2. Relevant course grades
3. Earned scores on relevant End-Of-Course test(s)
4. Performance on the committee-required additional measures
5. Number of hours of remediation attended, including completion of college preparatory courses under Ch. 39, or attendance and successful completion of "transitional" college reading or mathematics courses
6. School attendance rate
7. Attainment of any of the Texas Success Initiative (TSI) benchmarks approved by The Higher Education Coordinating Board (Scholastic Aptitude Test (SAT), ACT (former American College Testing), Alg. II EOC or English III EOC test)
8. Completion of a dual credit course in the four core subject areas
9. Completion of a pre-Advanced Placement or Advanced Placement course in the four core subject areas
10. Advanced High performance on Texas English Language Proficiency Assessment System (TELPAS)
11. Scores of 50 or greater on College Level Examination Program (CLEP) tests
12. Scores on ACT, SAT, or Armed Services Vocational Aptitude Battery (ASVAB)
13. Completion of sequence of Career and Technical Education (CTE) courses required to attain an industry-recognized credential or certificate
14. Overall preparedness for postsecondary success
15. Any other academic information designated for consideration by local school board

## METHODS OF EARNING CREDITS

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Students can earn a half credit for each semester course and a whole credit for a yearlong course. Students traditionally earn 7 credits a year when they pass all of their courses and are not denied credit for excessive absences. Students should talk to their counselor to plan their credits. The following are ways a student can earn credits:

- Course is taken as a part of the student's high school schedule.
- Dual Credit college course- approved by BISD taken for high school credit and college credit. Must be one of the approved courses listed on the dual credit list.
- Credit-by-Exam (CBE) is an approved exam through Texas Tech University distance learning or the University of Texas' distance learning. Students may use CBE to demonstrate mastery in secondary subject areas with the prior approval of the appropriate administrator. Students should contact their school guidance counselor in order to register. A \$35 deposit for each exam will be required. Students testing with PRIOR INSTRUCTION will not be eligible to receive a refund and will be required to score 70 or above on a scale of 100. Students testing with NO PRIOR INSTRUCTION will be eligible for a refund and will be required to score 80 or above on a scale of 100. In the event a student does not pass the exam and needs to retest, there will be an additional non-refundable fee of \$35 for retesting.
- Correspondence course- an approved course through Texas Tech University distance learning and the University of Texas distance learning.
- Online courses- approved course through Texas Virtual School Network, Texas Tech University distance learning, and the University of Texas distance learning program.
- Non-Traditional Credit - computer based curriculum approved by BISD for students who have failed courses and lost credit and for initial credit with approval.
- Intermediate school courses taken for high school credit prior to coming to high school.

Students and parents assume the cost of taking courses outside of their regular high school schedule. Students and parents assume the responsibility for registering for, and completing courses attempted. Students must talk to their counselor for information regarding alternate methods of acquiring credits before signing up for any course.

### **Lighthouse Learning Center**

The BISD Lighthouse Learning Center offers a variety of programs for students at risk. There are programs that enable qualified students to complete coursework needed for graduation from BISD in an alternative instructional setting.

### **BISD NTC Program Goal - B\*Success Academy (BSA)**

The goal of the BISD NTC Program is to support the BISD Beliefs, Vision, and Mission by providing opportunities for students to access accelerated curriculum in order to gain course credits and join their cohort classmates at graduation.

The B\*Success Academy is a NTC program on both high school campuses as well as the alternative education campus in the Brazosport Independent School District. Also classes are available before school, after school and on Saturdays as well as during the regular school day. Students are able to access the online curriculum to receive credit for classes in a non-traditional setting. Students use chrome books to access the program and

work at their own pace viewing online lessons, taking notes regarding the lesson, practicing what has been learned and then taking quizzes after every lesson.

The BISD NTC Program also aligns with the district scope and sequence. The program is structured to help students join their cohort class to graduate with their peers. Each school has certified teachers who work with the same students each day to help them gain the credits needed as soon as possible. Students may continue with other classes on the campus such as their elective or career and technical classes as well as other regular classes while working towards gaining credit. Upon graduation, students will receive either a Brazosport High School or Brazoswood High School diploma.

Academic Options at B\*Success Academy

- B\*Inspired-9<sup>th</sup> grade program to help student gain credit
- PRS-Teen pregnancy related services

## **THE NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) CURRICULUM**

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Many college sports are regulated by the National Collegiate Athletic Association (NCAA), an organization that has established rules on eligibility, recruiting and financial aid. If students are applying to college and plan to participate in Division I or Division II sports, they must be certified by the NCAA Initial-Eligibility Clearinghouse. The Clearinghouse will analyze academic information and determine if students meet the NCAA's initial-eligibility requirements.

Specific academic and college entrance exam requirements for Division I and Division II sports can be found on the NCAA website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). When taking SAT/ACT, students should list the NCAA Clearinghouse site (9999) on the score reporting section of the registration form. Fee waivers are available; see your counselor for details.

Students wanting to participate in Division I or Division II sports should start the certification process at the website as early as spring of sophomore year. **A free copy of *The Guide for the College Bound Student-Athlete* is available by calling 1-800-638-3731 or by visiting the website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) for more information.**



## ADVANCED ACADEMICS

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### Pre-Advanced Placement, Dual Credit and Advanced Placement Guidelines

Advanced Placement (AP), Dual Credit (DC), and Pre-Advanced Placement (Pre-AP) classes offer college and work preparation for students while they are still in high school. Students are encouraged to take AP and DC classes and exams in order to prepare for college and for possible college credit. Receiving college credit while still in high school can save thousands of dollars on college tuition and also enhance the likelihood of college success.

All Brazosport ISD students who wish to accept the academic challenge of an AP, DC, or Pre-AP class are welcome to participate in those programs; however, students and parents should be aware of the prerequisites required for each class. Since state testing requirements can and do change, prerequisites related to state testing can change. Any student who fails to demonstrate mastery on course related state mandated performance assessments, including STAAR, must receive principal, parent, counselor and parent permission to enroll in the advanced class. Students and parents should be aware of the expectations and rigorous coursework for these classes so they can make informed decisions prior to making a commitment to course selections. All students considering Dual Credit or Advanced Placement courses are encouraged to take Pre-AP classes as preparation for college level course work.

Brazosport ISD's goal is for students to be successful at the highest possible level. Pre-AP/AP classes in BISD stimulate and challenge motivated students to perform at an advanced academic level and are more rigorous and in-depth than regular classes. These classes move at a faster pace, include different types of assignments, and require additional outside reading. Resourceful, dedicated and trained Pre-AP/AP teachers work with their students to develop and apply the skills, abilities, and content knowledge that will be necessary for college. Parental support plays a key role in the success of Pre-AP/AP students; therefore, please read and note the following criteria:

- Pre-AP/AP courses require more independent work and study time per week than a regular class. Students will need to read and prepare outside of class to participate effectively in classroom discussions and activities. Maintaining excellent class attendance and managing out-of-class time effectively will be required.
- The standard in Pre-AP/AP courses is that work be submitted by established guidelines.
- Students **must** have parental permission and a signed contract to enroll and participate in a Pre-AP/AP course.
- It is an expectation that the students enrolled in an AP course will take the AP test at the end of the course.
- The student **must** successfully complete prerequisite courses as required.
- Students who fail to demonstrate mastery on **course-related** state-mandated performance assessments including STAAR, must receive principal, counselor, teacher and parent permission to enroll in the advanced class.
- Students **must** recognize the long term benefits of participation, seek assistance when needed, and commit to full participation.

## Academic Considerations

Pre-AP, AP, and Dual Credit, curricula are written above the grade level of a traditional class. Students should be independent learners as instruction is fast paced, in-depth, complex, and abstract. Students should understand that much of the work is done outside of class. An A or B in the subject area indicates that the student has the academic ability and the task commitment to succeed.

## Performance Considerations

Students taking Advanced Placement (AP), Dual Credit (DC), or Pre-Advanced Placement (Pre-AP), courses should be independent learners who demonstrate:

**Motivation:** Some students take Pre-AP/AP/DC classes because it is the best preparation for college, the workforce, and life after high school. Others take DC/AP classes for possible college credit, preparation for college, for higher grade points, or purely for the love of learning. Whatever the reason, students should apply their best effort.

**Time Management and Organization:** Students in Pre-AP/AP/DC classes should begin assignments when they are assigned, use planners and schedules to help plan multiple projects, and develop the self-discipline to make academic achievement a priority.

**Positive Attitude:** Pre-AP/AP/DC courses demand more attention, work, and effort than a regular class. Students should persevere, and when faced with challenges, take the necessary steps to succeed in the class (tutorials, study groups, etc.). Students who can adjust to the rigor while in high school find greater success in college.

**Strong Work Ethic:** Students should be committed in their goal to be successful in Pre-AP/AP/DC and demonstrate that commitment by good attendance, punctuality, and by showing respect for themselves and others. Students should expect to do a considerable amount of study and preparation outside of class, and to complete all assignments on time.

**Other Considerations:** Each student is unique in personality, goals, and life situation; therefore decisions regarding a student's participation in advanced courses should be made on an individual basis. Some things to consider are:

- **Concurrent enrollment in Pre-AP/AP courses:** Consideration should be given to other commitments. Some students successfully manage multiple AP classes, jobs, and extracurricular activities; while others become overwhelmed by the demands of a rigorous schedule. Students should discuss their goals and commitments with parents and counselors and strive to maintain balance between academic pursuits and a healthy lifestyle.
- **Intellectual and Emotional Maturity:** Pre-AP/AP/DC/H courses are above grade level and students may be expected to read or discuss topics that are not usually expected for that chronological age. Most AP courses are designed for 11th and 12th grade students.
- **State Testing:** Students taking AP/DC courses are still required to take and pass all required state testing as mandated by their graduation plan. Students in AP/DC courses that take the place of a STAAR EOC tested core course must meet the performance standards on the STAAR EOC test.

- **Advanced Placement Exams:** Students may take College Board Exams for possible college credit and/or placement. The campus counseling centers have additional information or visit the College Board website at <http://apcentral.collegeboard.com/home>.

### **Special Education/Section 504 Accommodations\***

Brazosport ISD students who currently receive 504/IDEA accommodations for their high school courses should schedule a visit with the college campus Coordinator of Disability Services. High school accommodations may not be recognized in a college course.

**As Applies to Pre-AP/AP Students:** The following guidelines are intended to apply to eligible special education and Section 504 students who enroll in Pre-AP or AP courses. While Pre-AP/AP courses are open to any student wishing to enroll, including special education and Section 504 students; counselors, parents, ARD Committees and Section 504 Committees should be aware that these are high-level academic classes. To be eligible for accommodations in a Pre-AP/AP class, the student must be eligible for the same accommodation in a non- Pre-AP/AP classroom. The following guidelines shall be applicable to all special education and Section 504 students who enroll in Pre-AP/AP courses:

1. Special Education or Section 504 students must have equal opportunity to participate in Pre-AP or AP courses.
2. While ARD and Section 504 Committees may wish to consider Pre-AP or AP courses in connection with transition plans for students who will be attending college, ARD Committees and Section 504 Committees are not required to place students in Pre-AP or AP classes. The student should be expected to be successful in a Pre-AP or AP course with the allowable accommodations described in the guidelines referred below.
3. Test Administration Procedures and Materials for STAAR, STAAR A, STAAR L, and TELPAS
  - Student reads test aloud to self
  - Scratch paper or another workplace
  - Test administrator read writing prompt aloud
  - Minimize distractions
  - Colored overlays
  - Magnifying devices
  - Blank place marker
  - Highlighters, colored pencils or crayons
  - Preferential seating
  - Special lighting conditions
  - Signing/translating test administration directions
4. All students interested in college credit for Advanced Placement courses should contact the college or university of their choice to obtain policies and standards regarding Advanced Placement credit, including Special Ed/Section 504 accommodations.

\*This information is accurate as of the printing of this document. For the most current information visit the TEA website. <http://www.tea.state.tx.us/>

## DUAL CREDIT

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The Dual Credit Program allows students to earn credit for high school while also earning college credit at Brazosport College. Students may register for pre-approved college courses taught at the high school or at the BC campus. Each student must meet BC admission requirements in order to register for classes at BC. **Any student who failed a BISD or BC course the prior semester, or had poor attendance resulting in having to make up time, may only take a college course with approval from the campus principal.** The student is responsible for the tuition and fees to take a dual credit course as well as textbook costs. Financial aid is available through BC with the completion of the FAFSA (Free Application for Federal Student Aid).

All dual credit course grades will be recorded numerically and used in averaging the high school GPA. Selected academic dual credit courses will receive a weight of 1.10, as will all BC honors dual credit courses. To receive high school credit for a BC dual credit course, a student must earn a grade of 70 or higher. Both semesters of college courses listed together (i.e.: ENGL. 1301 and ENGL. 1302) must be completed to receive high school credit, and the semester grades may be averaged to give credit for the entire year.

Students taking Dual Credit courses are still required to take and pass all required state testing as mandated by their graduation plan. For those Dual Credit courses that take the place of a STAAR EOC tested core course, students must meet performance standards on the STAAR EOC test and the final course grade will comply with STAAR EOC requirements for the substituted core subject course.

After discussing your interest to take dual credit courses with your counselor, see the dual credit counselor on your campus to enroll at BC.

## STEPS TO DUAL CREDIT ENROLLMENT AT BRAZOSPORT COLLEGE

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- ❖ Discuss taking dual credit college courses with your high school counselor and your dual credit counselor. Pick up an Early Admission/Dual Credit Program form from the Dual Credit Counselor. Take it home, get it signed by your parent/guardian, and return it either to your dual credit counselor or the college.  
  
In many situations, BC requires students to take Learning Frameworks. Students should discuss with their dual credit counselor if this class is required.
- ❖ New BC Students: Complete the BC Application for Admission at [www.applytexas.org](http://www.applytexas.org). You should receive a BC student ID # and PIN # in your email within 24 hours. Submit a Bacterial Meningitis Vaccination Verification Form to the BC Registrar's Office with a copy of your shot record or your physician/health professional's verification if taking courses on the college campus.
- ❖ If required for your class, take the TSI Assessment if you're not waived or exempt due to one of the sets of scores below.
  - SAT: 500 Critical Reading and/or 500 Math, with 1070 total (applies to SAT before 3/16, new SAT exemption scores have not been set)
  - PSAT: 50 Critical Reading and/or 50 Math, with 107 total
  - ACT: Math and/or English 19 with composite score of 23
  - STARR: English II: 4000
    - Before you can take the TSI Assessment you must complete the Application for Admission at [www.applytexas.org](http://www.applytexas.org) and do the TSI Pre-assessment activity at [www.brazosport.edu/paa](http://www.brazosport.edu/paa).
    - To register for the TSI call (979)230-3040. The test is free to dual credit students.
    - Note: Testing is not required for many technical courses. Your dual credit counselor can advise you about testing requirements.
- ❖ Optional - To be eligible for scholarships or grants, fill out a financial aid application (FAFSA) at least one month prior to registration, at [www.fafsa.gov](http://www.fafsa.gov), along with any other financial aid forms required by the BC Financial Aid Office. Dual credit students can receive a maximum of \$500. There will be Financial Aid Workshops at both high schools in the spring semester, if you would like assistance in filling out the FAFSA.
- ❖ Register in person at the college or online through myBC at [www.brazosport.edu](http://www.brazosport.edu) by the registration deadline for each semester. The myBC link is at bottom of the Brazosport College Homepage. Login with your SS# or college ID# and college PIN.
- ❖ Buy your books and pay tuition by the payment deadline, then start classes!

Questions? Contact: Michelle Hendrick, Brazosport H.S. (979)730-7260 ext. 29215 or at BC: (979)730-3497 or email [mhendrick@brazosportisd.net](mailto:mhendrick@brazosportisd.net) or [Michelle.Hendrick@brazosport.edu](mailto:Michelle.Hendrick@brazosport.edu) OR Susan Phillips, Brazoswood H.S. (979)730-7300 ext. 29115 or at BC: (979) 230-3691 or email: [sphillips@brazosportisd.net](mailto:sphillips@brazosportisd.net) or [Susan.Phillips@brazosport.edu](mailto:Susan.Phillips@brazosport.edu)

## DUAL CREDIT ARTICULATION TABLE

BISD Local Course Number	BISD Course Title	BISD Credit	BC Course Number	BC Course Title	BC Course Hours
<b>English / Language Arts</b>					
4514	Creative and Imaginative Writing I	.5	ENGL 2307	Creative Writing I	3
4404/4444	English IV (4444 is taught at Brazosport HS)	1	ENGL 1301 ENGL 1302	Composition and Rhetoric I Composition and Rhetoric II	6
<b>Mathematics</b>					
1604	Independent Study In Mathematics III - Calculus	.5	MATH 2413@ +	Calculus @+	4
1944	Independent Study In Mathematics I - College Algebra	.5	MATH 1314	College Algebra +	3
1504	Independent Study In Mathematics I - Statistics	.5	MATH 1342	Statistics @ +	3
1414	Independent Study In Mathematics II - Trigonometry	.5	MATH 1316	Trigonometry @ +	3
<b>Social Studies</b>					
3604	Economics/Free Enterprise	.5	ECON 2301	Principles of Economics I +	3
3704	Psychology	.5	PSYC 2301	General Psychology	3
3634	Sociology	.5	SOCI 1301	Introduction to Sociology	3
3504 /3514	U.S. Government (3514 is taught at Brazosport HS)	.5	GOVT 2305	Federal Government	3
3424 /3414	U.S. History Since Reconstruction (3414 is taught at Brazosport HS)	1	HIST 1301 HIST 1302	United States History to 1877 United States History from 1877 to Present	6
<b>Science</b>					
2964	Anatomy & Physiology	1	BIOL 2301/2101 BIOL 2302/2102	Human Anatomy and Physiology I /Lab % Human Anatomy and Physiology II/Lab %	8
2014	Biology	1	BIOL 1306/1106 BIOL 1307/1107	General Biology I /Lab % General Biology II/Lab %	8
2314	Chemistry	1	CHEM 1311#/1111 CHEM 1312#/1112	General Chemistry I/Lab % General Chemistry II/Lab %	8
2514	Physics Brazosport College Dual Credit (MATH 1314 Prereq.)	1	PHYS 1301/1101@ PHYS 1302/1102@	College Physics I/Lab % College Physics II/Lab %	8
<b>Fine Arts</b>					
5014	Art I	.5	ARTS 1301	Art Appreciation	3
5294	Music History	.5	MUSI 1306	Music Appreciation	3
5814	Theater Arts I	1	DRAM 1310 DRAM 1351	Introduction to Theater Beginning Acting	6
5854	Theater Production I, II, or III	1	DRAM 1120 OR DRAM 1121	Theatre Practicum	1
<b>Languages Other Than English</b>					
5514	Spanish I	1	SPAN 1411	Beginning Spanish I	4
5524	Spanish II	1	SPAN 1412	Beginning Spanish II	4
5534	Spanish III	1	SPAN 2311	Intermediate Spanish I	3
5544	Spanish IV	1	SPAN 2312	Intermediate Spanish II	3
<b>Speech</b>					
5704/5703	Professional Communications (5703 is taught at Brazosport HS)	.5	SPCH 1315	Fundamentals of Speech	3

- # indicates that a prerequisite is required to take this course. "C" or better in high school chemistry or CHEM 1305 – Introductory Chemistry
- \* Two college courses must be taken to receive high school credit.
- @ Prerequisite: College Algebra
- \*\*\* Students who have not demonstrated college readiness as defined by Texas Administrative Code (TAC) 4.85b will need to score 350 or higher on the TSI math test to take Economics, Math or Physics. Technical Courses not applicable toward academic electives in an A.A./A.S. degree.

BISD Course Number	BISD Course Title and PEIMS Service ID	BISD Credit	BC Course Number	BC Course Title	BC Course Hours
<b>Career and Technical Education</b>					
8054	Ag Mechanics and Metal Technology	1	WLDG 1421	Welding Fundamentals	4
8414	Automotive Technology <b>(Automotive Track – SOPH Yr)</b>	2	AUMT 1305 AUMT 1410	Introduction to Automotive Technology Automotive Brake Systems	7
8424	Automotive Technology Advanced <b>(Automotive – JR Yr)</b>	2	AUMT 1407 AUMT 1316	Automotive Electrical Systems Automotive Steering & Suspension Systems	7
8444	Automotive Practicum in Transportation <b>(Automotive – SR Yr)</b>	2	AUMT 1380 AUMT 1381	Cooperative Education I-Automotive Technician Cooperative Education II – Automotive Technician	6
8164	Business Information Management I	1	BCIS 1405	Business Computer Applications	4
8254	Computer Programming	1	ITSE 1432 ITSE 2349	Introduction to Visual Basic .NET Programming + Advanced Visual BASIC Programming +	8
8264	Computer Programming Advanced	1	COSC 1320 COSC 2320	Introduction to C++ Programming + Advanced C++ Programming +	7
8304	Court Systems and Practices	.5	CRIJ 1306	Court Systems and Practices	3
8094	Electrical Technology <b>(Electrical Track – JR Yr)</b>	2	ELPT 1319 ELPT 1329  ELPT 1319 ELPT 1345	Fundamentals of Electricity I & Residential Wiring OR Fundamentals of Electricity I & Commercial Wiring	6
8104	Electrical Technology Advanced <b>(Electrical Track – SR Yr)</b>	2	ELPT 1357 ELPT 1345  ELPT 1357 ELPT 1329	Industrial Wiring, & Commercial Wiring OR Industrial Wiring, & Residential Wiring	6
8394	Electronics <b>(Process Technology Track – SR Yr)</b>	2	PTAC 1308 PTAC 1432	Safety, Health & Environment & Process Instrumentation I	7
8384	Engineering Design and Presentation	2	DFTG 1305 DFTG 1309	Technical Drafting & Basic Computer Aided Drafting	6
8114	HVAC and Refrigeration Technology	2	HART 1310 HART 1407	Shop Practices and Tools & Refrigeration Principles	7
8124	HVAC and Refrigeration Technology Advanced	2	HART 1401 HART 1403	Basic Electricity for HVAC & Air Conditioning Control Principles	8
8404	Data Acquisition and Analysis <b>(Instrumentation Tech Track–JR Yr)</b>	2	INTC 1401 PTAC 1410	Principles of Industrial Measurements I & Process Technology I – Equipment	8
8434	Electronics Advanced <b>(Instrumentation Tech Track–SR Yr)</b>	2	INTC 1441 INTC 1343	Principles of Automatic Control & Application of Industrial Automatic Control	7
8284	Law Enforcement I	.5	CJSA 1327	Fundamentals of Criminal Law	3
8304	Law Enforcement II	.5	CJSA 2300	Legal Aspects of Law Enforcement	3
8374	Manufacturing Engineering <b>(Process Technology Track – JR Yr)</b>	2	PTAC 1302 PTAC 1410	Intro to Process Technology & Process Technology I	7
8204	Medical Terminology	.5	HITT 1305	Medical Terminology I	3
8134	Piping and Plumbing Technology <b>(Pipefitting – JR Yr)</b>	2	PFPB 1308 PFPB 1305	Basic Pipefitting Skills & Basic Blueprint Reading for Pipefitters	6
8144	Piping and Plumbing Technology Advanced <b>(Pipefitting – SR Yr)</b>	2	PFPB 2310 PFPB 2307	Intermediate Blueprint Reading for Pipefitters & Pipefitting and Installation I	6
8354	Precision Metal Manufacturing <b>(Machine/Millwright-JR Yr)</b>	2	MCHN 1325 MCHN 1329 OR MCHN 1338 MCHN 1341	Millwright I & Millwright II OR Basic Machine Shop I & Basic Machine Shop II	6
8364	Precision Metal Manufacturing Advanced <b>(Machine/Millwright-SR Yr)</b>	2	MCHN 2305 MCHN 2307 OR MCHN 1352 MCHN 1354	Millwright III & Millwright IV OR Intermediate Machining I & Intermediate Machining II	6
8274	Principles of Law, Public Safety, Corrections, and Security	.5	CRIJ 1301	Introduction to Criminal Justice	3
8334	Welding <b>(Welding -JR Year)</b>	2	WLDG 1428 WLDG 2443	Intro to Shielded Metal Arc Welding & Advanced Shielded Metal Arc Welding	8

8344	Welding Advanced (Welding -SR Yr)	2	WLDG 2406 WLDG 2447 OR WLDG 2406 WLDG 2451	Intermediate Pipe Welding & Advanced Gas Metal Arc Welding  Intermediate Pipe Welding & Advanced Gas Tungsten Arc Welding	8
<b>Other</b>					
9564	College Transition	.5	PSYC 1300	Learning Frameworks	3

- # indicates that a prerequisite is required to take this course. "C" or better in high school chemistry or CHEM 1305 – Introductory Chemistry
- \* Two college courses must be taken to receive high school credit.
- @ Prerequisite: College Algebra
- \*\*\* Students who have not demonstrated college readiness as defined by Texas Administrative Code (TAC) 4.85b will need to score 350 or higher on the TSI math test to take Economics, Math or Physics. Technical Courses not applicable toward academic electives in an A.A./S. degree.

## What is Articulated Technical Credit?

Articulated Technical Credit is an exceptional business and education partnership with the BC College that will guide a skilled workforce into the 21st century. Business and education work together to chart school courses that are the most direct route to qualified, better educated employees. Articulated Technical Credit is "Education that Works!" It is a rigorous technical and academic curriculum that includes **four years** of high school plus **two years** of college, which equals a **six year** Associates of Applied Science Degree . An Associates of Applied Science Degree prepares students to go straight to work, pursue a bachelor's degree, or, as is becoming more and more common, both. Students must enroll at a participating college within 15 months of high school graduation to receive their articulated technical credit, or they will lose it. Check the website for participating colleges. <http://www.atctexas.org/>.

### Student Requirements:

- Junior or Senior year or completion of sequence
- Grade of at least 80%.....AND
- Enroll in a related technical degree program
- Enroll within 15 months of graduation (time may be extended)
- Apply for credit within 28 months of graduation
- Credit awarded on enrollment (however, a college may elect to require up to six credit hours)

## ARTICULATION AGREEMENT FOR WORKFORCE CREDITS

BISD Local Course Number	BISD Course Title	BISD Credit	BC Course Number	BC Course Title	BC Course Hours
<b>Career and Technical Articulation Agreements</b>					
8160	Business Information Management I	1	ITSC 1301	Introduction to Computers	3
8235	Child Development	.5	CDEC 1313	Curriculum Resources for Early Childhood Programs	3
8240	Child Guidance	2	CDEC 1319	Child Guidance	3
			CDEC 2322	or Child Development Associate Training II	3
8080	Construction Technology	1	DFTG 1315 CNBT 2310	Architectural Blueprint Reading <u>OR</u> Residential & Light Commercial Blueprint Reading	3
8085	Advanced Construction Technology	2	DFTG 1317 <u>OR</u> CNBT 1311	Arch Drafting-Residential <u>OR</u> Construction Methods & Material	3
8390	Engineering Design & Presentation	1	DFTG 1305 <u>OR</u> DFTG 1309	Technical Drafting <u>OR</u> Basic Computer Aided Drafting	
8376	Entrepreneurship	.5	BUSG 2309	Small Business Management	3
8205	Medical Terminology	.5	HITT 1305	Medical Terminology	3
8354	Precision Metal Manufacturing (Must include NCCER Core)	2	MCHN 1338	Basic Machine Shop I	3
8364	Precision Metal Manufacturing Advanced	2	MCHN 1341	Basic Machine Shop II	3



BISD Local Course Number	BISD Course Title	BISD Credit	BC Course Number	BC Course Title	BC Course Hours
8060	Principles of Architecture & Construction (Must include NCCER Core)	1	CNBT 1301	Intro to Construction (NCCER Core)	3
8250	Principles of Information Technology	1	ITSC 1301	Introduction to Computers	4
8320	Principles of Metal Manufacturing (Must include NCCER Core)	1	CNBT 1301	Intro to Construction (NCCER Core)	3
8150	Touch System Data Entry	.5	POFT 1329	Beginning Keyboarding	3
8272	Web Technologies	1	IMED 1316	Web Design I	3
8330	Welding I	2	WLDG 1428	Intro to Shielded Metal Arc Welding	4
8344	Advanced Welding	2	WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)	4

- # indicates that a prerequisite is required to take this course. "C" or better in high school chemistry or CHEM 1305 – Introductory Chemistry
- \* Two college courses must be taken to receive high school credit.
- @ Prerequisite: College Algebra
- \*\*\* Students who have not demonstrated college readiness as defined by Texas Administrative Code (TAC) 4.85b will need to score 350 or higher on the TSI math test to take Economics, Math or Physics. Technical Courses not applicable toward academic electives in an A.A./S. degree.

The courses identified in this articulation agreement may also be taken for dual credit subject to the terms and conditions of existing agreements between Brazosport College and Brazosport Independent School District. Students who satisfactorily complete the courses in concurrent enrollment will receive college credit immediately upon satisfactory completion of the course and only for the courses actually completed.

*The following plans are recommendations from Brazosport College for students wanting to earn dual credit hours.*

**EARLY HIGH SCHOOL GRADUATION WITH FIFTEEN COLLEGE HOURS**

<b>SUGGESTED CURRICULUM ONLY SPRING SEMESTER OF SOPHOMORE YEAR</b>				
SPRING	Sem. Hr.	Total hrs.		
PSYC 1300 (College Transitions, ½ HS credit)	3	3		
<b>SUMMER AFTER SOPHOMORE YEAR</b>				
SSI	Sem. Hr.	SSII	Sem. Hr.	Total hrs.
HIST 1301 (U.S. History, ½ H.S. credit)	3	HIST 1302 (U.S. History, ½ H.S. credit)	3	6
<b>JUNIOR/SENIOR SCHOOL YEAR</b>				
FALL	Sem. Hr.	SPRING	Sem. Hr.	Total hrs.
ENGL 1302 (English IV, ½ H.S. credit)	3	ENGL 1301 (English IV, ½ H.S. credit)	3	6

**TOTAL COLLEGE HOURS = 15**

**HIGH SCHOOL GRADUATION WITH THIRTY COLLEGE HOURS**

<b>SUGGESTED CURRICULUM ONLY SPRING SEMESTER OF SOPHOMORE YEAR</b>				
SPRING	Sem. Hr.	Total hrs.		
PSYC 1300 (College Transitions, ½ H.S. credit)	3	3		
<b>SUMMER AFTER SOPHOMORE YEAR</b>				
SSI	Sem. Hr.	SSII	Sem. Hr.	Total hrs.
SOCI 1301 (Sociology, ½ HS credit)	3	SPCH 1315 (Comm. Appl., ½ HS credit)	3	6
<b>JUNIOR SCHOOL YEAR</b>				
FALL	Sem. Hr.	SPRING	Sem. Hr.	Total hrs.
HIST 1301 (U.S. History, ½ HS credit)	3	HIST 1302 (U.S. History, ½ HS credit)	3	6
<b>SUMMER AFTER JUNIOR YEAR</b>				
SSI	Sem. Hr.	SSII	Sem. Hr.	Total hrs.
GOVT 2301 (U.S. Govt., ½ HS credit)	3	GOVT 2302 (U.S. Govt., ½ HS credit)	3	
ECON 2301 (Economics, ½ HS credit)	3	9		
<b>SENIOR YEAR</b>				
FALL	Sem. Hr.	SPRING	Sem. Hr.	Total hrs.
ENGL 1301 (English IV, ½ HS credit)	3	ENGL 1302 (English IV, ½ HS credit)	3	6

**TOTAL COLLEGE HOURS = 30**

## HIGH SCHOOL GRADUATION WITH COLLEGE ASSOCIATE OF ARTS DEGREE

<b>SUGGESTED CURRICULUM ONLY SPRING SEMESTER OF SOPHOMORE YEAR</b>				
<b>SPRING</b>	<b>Sem. Hr.</b>	<b>Total hrs.</b>		
PSYC 1300 (College Transitions, ½ HS credit)	3	3		
<b>SUMMER AFTER SOPHOMORE YEAR</b>				
<b>SSI</b>	<b>Sem. Hr.</b>	<b>SSII</b>	<b>Sem. Hr.</b>	<b>Total hrs.</b>
HIST 1301 (U.S. History, ½ HS credit)	3	HIST 1302 (U.S. History, ½ HS credit)	3	6
SPCH 1315 (Communications Applications, ½ HS credit)	3	SOCI 1301 (Sociology, ½ HS credit)	3	6
<b>JUNIOR SCHOOL YEAR</b>				
<b>FALL</b>	<b>Sem. Hr.</b>	<b>SPRING</b>	<b>Sem. Hr.</b>	<b>Total hrs.</b>
BCIS 1405 (Bus. Info. Man. I credit)	4	ARTS or MUSI 1301 (Art or Music Hist, ½ HS credit)	3	7
SPAN 1411 (Spanish I, 1 HS credit)	4	SPAN 1412 (Spanish II, 1 HS credit)	4	8
<b>SUMMER AFTER JUNIOR YEAR</b>				
<b>SSI</b>	<b>Sem. Hr.</b>	<b>SSII</b>	<b>Sem. Hr.</b>	<b>Total hrs.</b>
BIOL 1406, CHEM 1411, PHYS 1401 OR ENVR 1401	4	BIOL 1407, CHEM 1412, PHYS 1402, OR ENVR 1401	4	8
MATH 1314 (Col. Alg., ½ HS credit)	3	MATH 1316 (Trig, ½ HS credit) or MATH 1342 (Statistics, ½ HS credit)	3	6
<b>SENIOR YEAR</b>				
<b>FALL</b>	<b>Sem. Hr.</b>	<b>SPRING</b>	<b>Sem. Hr.</b>	<b>Total hrs.</b>
ENGL 1301 (English IV, ½ HS credit)	3	ENGL 1302 (English IV, ½ HS credit)	3	6
GOVT 2301 (Special Topics Social Studies), ½ HS credit)	3	GOVT 2302 (U.S. Govt., ½ HS credit)	3	6
HUMA 1301	3	Elective	3	6

**TOTAL COLLEGE HOURS = 62**

***\*This is the recommended plan at Brazosport College for BISD students wanting to earn an Associate of Arts Degree\****

## Graduation Options for Students with Disabilities Receiving Special Education Services

The student can...	State Assessment Options	Graduation Options For students who entered Grade 9 prior to 2014-15	HB 5 Graduation Options Beginning with students who entered Grade 0 in 2014-15
Master TEKS at the standard set for ALL students (with or without accommodations) and PASS the state assessment	STAAR or STAAR A	<b>DAP</b>  <b>RHSP</b>  <b>MHSP</b>  89.1070(b)(1) or (b)(2)	<b>Foundation HSP</b> <i>+1 or more Endorsements</i>  <i>+Distinguished Level of Achievement</i>  <i>+Performance Acknowledgements</i>  Revised 89.1070(b)(1)
Master the TEKS at standard set for ALL students (with or without accommodations) and their ARD-C determines that passing the assessment is not required for graduation	STAAR or STAAR A	<b>MHSP</b>  89.1070(b)(2)	<b>Foundation HSP</b>  <i>Not eligible to earn an endorsement*</i>  <i>Course planning, including courses in endorsement areas, should be based on post-secondary goals &amp; student strengths/interests</i>  Revised 89.1070(b)(1)
Show progress toward the TEKS with modifications and their ARD-C determines that passing the assessment is not required for graduation	STAAR or STAAR A	<b>MHSP</b>  89.1070(b)(3)	<b>Foundation HSP</b>  <i>Not eligible to earn an endorsement**</i>  <i>Course planning, including courses in endorsement areas, should be based on post-secondary goals &amp; student strengths/interests</i>  Revised
Shows access to the TEKS through prerequisite skills (significant modifications)	STAAR Alternate 2	<b>MHSP</b>  89.1070(b)(3)	<b>Foundation HSP</b>  <i>Not eligible to earn an endorsement</i>  <i>Course planning, including courses in endorsement areas, should be based on post-secondary goals &amp; student strengths/interests</i>

\*See SB 149 for specific requirements to earn an endorsement to determine if passing state assessment is required to earn an endorsement

\*\*See revised 89.1070(c) and (d) for specific requirement to earn an endorsement if modifications are needed to access the curriculum

Adapted from Region 13



For Students Entering Grade 9  
In 2014-2015 and after

**Students enrolled in 2012-2013 or 2013-2014  
may move to the Foundation Plan.**



# Graduation Requirements For Students Entering Grade 9 in 2014-2015 and After

Students enrolled in 2012-2013 or 2013-2014 *may* move to the Foundation Plan.

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## Coursework

House Bill 5 (HB 5), passed by the 83rd Texas Legislature and signed by the governor in June 2013, provides for a new set of graduation plans for Texas students. These graduation plans consist of a foundation plan for every Texas student and five endorsements from which students may choose, depending on their interests. Students will complete each of these endorsements with four mathematics, four science, four English language arts, and three social studies credits. Students are also required to complete two languages other than English.

Students entering 9<sup>th</sup> Grade must choose from one of the following endorsements:

- **Arts and Humanities** (for further information, see page 22)
- **Business and Industry** (for further information, see page 23)
- **Multidisciplinary Studies** (for further information, see page 24)
- **Public Services** (for further information, see page 25)
- **STEM** (for further information, see page 26)

Students may change their endorsement at any time prior to graduation; however, a delay in graduation may result. For more information please contact your campus counselor.

The Brazosport Independent School District Board of Trustees has decided that students under the Foundation Graduation Plan will be required to complete .5 credits of Professional Communication. Additionally, BISD students are also required to complete .5 credits of Health.

## Testing

Students are now required to pass five State of Texas Assessments of Academic Readiness (STAAR®) end-of-course exams to meet the new graduation requirements:

- Algebra I
- English I (Reading/Writing)
- English II (Reading/Writing)
- Biology
- US History

## Planning for the Future

In BISD our goal is to double the number of students who graduate and go on to earn some form of higher education. To help students achieve their goal of a technical certificate, two-year degree, or four-year degree, we have included the Foundation Graduation Plan Overview. Please contact your counselor for more information about making plans for your future. We are here to help you achieve your goals and have resources available to help you.

# Arts & Humanities Endorsement

A student may earn an Arts & Humanities endorsement by completing foundation and general endorsement requirements and:

- Option 1: A total of five social studies credits (Chapter 113 or Chapter 118), or
- Option 2: Four levels of the same language other than English (Chapter 114), or
- Option 3: Two levels of the same language other than English and two levels of a different language other than English, or
- Option 4: Four levels of American Sign Language (Chapter 114), or
- Option 5: A coherent sequence of four credits from one or two disciplines in Fine Arts (Chapter 117), or
- Option 6: Four English elective credits by selecting from the following:
  - English IV
  - Independent Study in English
  - Creative Writing
  - Research & Technical Writing
  - Humanities
  - Advanced Placement English Literature & Composition



# Business & Industry Endorsement

A student may earn a Business & Industry endorsement by completing foundation and general endorsement requirements and:

- Option 1: A coherent sequence of courses for four or more credits in CTE (Chapters 127 or 130). Two courses must be in the same career cluster and one advanced CTE course, which includes any course that is the third or higher course in a sequence. The final CTE course in the sequence must be selected from one of the following career clusters:
  - Agriculture, Food & Natural Resources
  - Architecture & Construction
  - Arts, AV Technology & Communication
  - Business, Marketing & Finance
  - Hospitality & Tourism
  - Information Technology
  - Manufacturing
  - Transportation, Distribution & Logistics, or
- Option 2: Four English elective credits (Chapter 110) by selecting three levels in one of the following areas:
  - Advanced Journalism: Newspaper I, II, III
  - Public Speaking,
  - Advanced Journalism: Yearbook I, II, III
- Option 3: A coherent sequence of four credits from (Option 1), (Option 2).

# Multidisciplinary Endorsement

A student may earn a Multidisciplinary study endorsement by completing foundation and general endorsement requirements and:

- Option 1: Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence, or
- Option 2: Four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics, or
- Option 3: Four credits in advanced placement or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts.

# Public Service Endorsement

A student can earn a Public Services endorsement completing foundation and general endorsement requirements and:

- Option 1: A coherent sequence of courses for four or more credits in CTE (Chapters 127 and 130). Two courses must be in the same career cluster and one advanced CTE course, which includes any course that is the third or higher course in a sequence. The final CTE course in the sequence must be selected from one of the following career clusters:
  - Education & Training/Human Services
  - Health Services
  - Law, Public Safety, Corrections & Security
- Option 2: Four courses in Junior Reserves Officers' Training Corp (JROTC).

# STEM Endorsement

A student may earn a STEM endorsement by completing foundation and general endorsement requirements including Algebra II, chemistry, physics and:

- Option 1: A coherent sequence of courses for four or more credits in CTE (Chapters 127 or 130). Two courses must be in the same career cluster and one advanced CTE course, which includes any course that is the third or higher course in a sequence. The final CTE course in the sequence must be selected from the STEM career cluster, or
- Option 2: A total of five credits in mathematics by successfully completing Algebra I, Geometry, Algebra II and two additional mathematics courses for which Algebra II is a prerequisite, or
- Option 3: A total of five credits in science by successfully completing biology, chemistry, physics, and two additional science courses, or
- Option 4: In addition to Algebra II, chemistry, and physics, a coherent sequence of three additional credits from no more than two of the areas listed in (Option 1), (Option 2), (Option 3) and (Option 4).
- Option 5: A coherent sequence of four credits in computer science. The courses offered are:
  - Computer Science 1
  - AP Computer Science
  - Discrete Mathematics for Computer Science
  - Independent Studies of Technology Applications

# The Distinguished Achievement Program

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**For Students Entering Grade 9 in 2014-2015 and after** – (*Students enrolled in 2012-13 or 2013-14 may move to the Foundation Plan*)

**Students who are graduating on the Distinguished Plan must complete:**

All Foundation Plan requirements

- Four credits in mathematics, which must include Algebra II
- Four credits in science
- Requirements for at least one endorsement

Students on the Foundation and/or Distinguished Plan may also receive **Performance Acknowledgements** that are designated on the student's diploma for the following accomplishments:

- Outstanding performance:
  - **Dual Credit:**
    - At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and locally articulated courses; or
    - An associate degree while in high school.
  - **Bilingualism and Biliteracy:**
    - A student may earn a performance acknowledgement by demonstrating proficiency in two or more languages by:
      - Completing all English Language Arts requirements; and
        - Satisfying one of the following:
          - Completion of a minimum of three credits in the same language in a Language Other Than English; or
          - Demonstrated proficiency in the TEKS for level IV or higher in a Language Other Than English; or
          - Completion of at least three credits in foundation subject area courses in a Language Other Than English; or
          - Demonstrated proficiency in one or more Languages Other Than English through one of the following methods:
            - Score 3 or higher on an Advanced Placement exam for a Language Other Than English; or
            - Score 4 or higher on an International Baccalaureate exam for a higher level Language Other Than English course; or
            - Performance on a national assessment of language proficiency in a Language Other Than English of at least Intermediate High.
      - In addition to meeting the requirements of the above subsection, to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:
        - Participated in and met the exit criteria for a bilingual or ESL program; and
        - Scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

- **Advanced Placement test or International Baccalaureate examination by earning:**
  - A score of four or five on a College Board Advanced Placement examination; or
  - A score of five or above on an International Baccalaureate examination for a higher level course.
- **PSAT, the ACT-Plan, the SAT, or the ACT by:**
  - 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, as part of the National Hispanic recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation; or
  - Achieving the college readiness benchmark score on at least two of the four subject tests on the ACT PLAN exam; or
  - A combined critical reading and mathematics score of at least 1250 on the SAT; or
  - A composite score on the ACT exam (without writing) of 28.
- **Earning a nationally or internationally recognized business or industry certification or license with:**
  - Performance on an examination sufficient to obtain a nationally or internationally recognized business or industry certification; or
  - Performance on an examination sufficient to obtain a government-required credential to practice a profession.

## Graduation Plan Overview

Student Name \_\_\_\_\_ ID \_\_\_\_\_ Expected Graduation Date \_\_\_\_\_

Endorsement Selected:

- STEM   
  Business and Industry   
  Arts and Humanities  
 Public Services   
  Multi-Disciplinary Studies

<b>Foundation Plan – 22 Credits</b>	<b>With Endorsement – 26 Credits Total</b> Coherent Sequence must be followed	<b>Distinguished – Eligible for top 10% Automatic Admission</b>
<b>PLUS</b>	<b>PLUS</b>	
<p><b>English Language Arts – 4 Credits</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> English I</li> <li><input type="checkbox"/> English II</li> <li><input type="checkbox"/> English III</li> <li><input type="checkbox"/> English IV or Advanced English</li> </ul> <p><b>Mathematics – 3 Credits</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Algebra I</li> <li><input type="checkbox"/> Geometry</li> <li><input type="checkbox"/> Advanced Math</li> </ul> <p><b>Social Studies – 3 Credits</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> World Geography <b>or</b> World History</li> <li><input type="checkbox"/> US History</li> <li><input type="checkbox"/> Government (.5 credit)</li> <li><input type="checkbox"/> Economics (.5 credit)</li> </ul> <p><b>Science – 3 Credits</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Biology</li> <li><input type="checkbox"/> IPC <b>or</b> Advanced Science</li> <li><input type="checkbox"/> Additional Advanced Science</li> </ul> <p><b>Foreign Language or Substitute – 2 Credits</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Year 1</li> <li><input type="checkbox"/> Year 2</li> </ul> <p><b>Fine Arts – 1 Credit</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> _____</li> </ul> <p><b>Physical Education – 1 Credit</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Physical Education</li> </ul> <p><b>Electives – 5 Credits</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> .5 Speech &amp; .5 Health</li> <li><input type="checkbox"/> Elective 2 _____</li> <li><input type="checkbox"/> Elective 3 _____</li> <li><input type="checkbox"/> Elective 4 _____</li> <li><input type="checkbox"/> Elective 5 _____</li> </ul>	<p><b>STEM</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 Math <b>or</b> 1 CTE Math</li> <li><input type="checkbox"/> 1 Science <b>or</b> 1 CTE Science</li> <li><input type="checkbox"/> Elective 1 _____</li> <li><input type="checkbox"/> Elective 2 _____</li> </ul> <p><b>Business and Industry</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 Math <b>or</b> 1 CTE Math</li> <li><input type="checkbox"/> 1 Science <b>or</b> 1 CTE Science</li> <li><input type="checkbox"/> Elective 1 _____</li> <li><input type="checkbox"/> Elective 2 _____</li> </ul> <p><b>Arts and Humanities</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 Math <b>or</b> 1 CTE Math</li> <li><input type="checkbox"/> 1 Science <b>or</b> 1 CTE Science</li> <li><input type="checkbox"/> Elective 1 _____</li> <li><input type="checkbox"/> Elective 2 _____</li> </ul> <p><b>Public Services</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 Math <b>or</b> 1 CTE Math</li> <li><input type="checkbox"/> 1 Science <b>or</b> 1 CTE Science</li> <li><input type="checkbox"/> Elective 1 _____</li> <li><input type="checkbox"/> Elective 2 _____</li> </ul> <p><b>Multidisciplinary Studies</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 Math <b>or</b> 1 CTE Math</li> <li><input type="checkbox"/> 1 Science <b>or</b> 1 CTE Science</li> <li><input type="checkbox"/> Elective 1 _____</li> <li><input type="checkbox"/> Elective 2 _____</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Algebra II (must be one of the student's math credits)</li> </ul> <div style="background-color: #ffff00; text-align: center; padding: 2px;"><b>Performance Acknowledgements – noted on diploma</b></div> <ul style="list-style-type: none"> <li><input type="checkbox"/> Outstanding performance                         <ul style="list-style-type: none"> <li>• Dual Credit</li> <li>• Bilingualism and Bi-literacy</li> <li>• AP test or IB exam</li> <li>• PSAT, ACT Aspire, SAT or ACT</li> </ul> </li> <li><input type="checkbox"/> National or international business or industry certification or license</li> </ul> <div style="background-color: #f4a460; text-align: center; padding: 2px;"><b>STAAR EOC Checklist</b></div> <ul style="list-style-type: none"> <li><input type="checkbox"/> English I</li> <li><input type="checkbox"/> English II</li> <li><input type="checkbox"/> Algebra I</li> <li><input type="checkbox"/> US History</li> <li><input type="checkbox"/> Biology</li> </ul> <div style="background-color: #c8e6c9; text-align: center; padding: 2px;"><b>Plans for the Future</b></div> <p><b>Testing</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> PSAT</li> <li><input type="checkbox"/> SAT</li> <li><input type="checkbox"/> ACT</li> </ul> <p><b>College Readiness - TSI</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Math _____</li> <li><input type="checkbox"/> Reading _____</li> <li><input type="checkbox"/> Writing _____</li> </ul> <p><b>Post-Secondary Applications</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Brazosport College</li> <li><input type="checkbox"/> Apply Texas Application</li> <li><input type="checkbox"/> Common Application</li> <li><input type="checkbox"/> Military Recruiter</li> <li><input type="checkbox"/> Technical School</li> </ul> <p><b>Financial Aid</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> FAFSA/TAFA</li> <li><input type="checkbox"/> Scholarships</li> </ul>

Name: \_\_\_\_\_ ID #: \_\_\_\_\_

School: \_\_\_\_\_ Date Initiated: \_\_\_\_\_ Date(s) Amended: \_\_\_\_\_

Grade: \_\_\_\_\_

**Graduation Plans 2016-2017**

Discipline	Foundation Credits	+ Endorsement Credits
English	4	
Math	3	1
Science	3	1
Social Studies	3	
LOTE	2	
Fine Arts	1	
Physical Education	1	
Health	.5	
Professional Communications	.5	
Electives	4	2
<b>Total Credits for Graduation</b>	<b>22</b>	<b>26</b>

The Six Year Plan is intended to give you and your parent(s) a guide to use as you progress to and through high school. You will want to review the plan each year to make sure you are taking the required courses for graduation. Your counselor will have sample Career Plans of Study for each of the Endorsements that are listed on this page. You may use these as guides to help you select courses that support your career goals. Make sure that you are taking the academic courses that support your post-secondary plans.

**Endorsement:**  
 \_\_\_ Arts and Humanities  
 \_\_\_ Business and Industry  
 \_\_\_ Multidisciplinary Studies  
 \_\_\_ Public Services  
 \_\_\_ STEM  
 Specialization Area: \_\_\_\_\_

**My Post High School plans will take me to:**  
 (Check as many as apply):  
 \_\_\_ Two Year College  
 \_\_\_ Technical Training  
 \_\_\_ Four Year College  
 \_\_\_ Employment  
 \_\_\_ Military  
 \_\_\_ Other \_\_\_\_\_

**My Graduation Plan Type is:** \_\_\_\_\_ **Distinguished**  
 \_\_\_ Foundation

**Directions:** Students under the distinguished academic plan need to complete additional courses in Math and Science to earn that distinction towards their endorsement. Students are also encouraged to take advanced coursework in their academic and career related disciplines

	7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>E</b>						
<b>M</b>						
<b>SC</b>						
<b>SS</b>						
<b>5</b>						
<b>6</b>						
<b>7</b>						
<b>Credit</b>						

Parent Signature \_\_\_\_\_ Student Signature \_\_\_\_\_



**Graduation Requirements**  
**For Students Entering Grade 9 in:**  
**2012-2013 or 2013-2014**

# Graduation Requirements For Students Entering Grade 9 in 2012-2013 or 2013-2014

Students enrolled in 2012-2013 or 2013-2014 may move to the Foundation Plan or continue on one of the following plans:

Subject Area	Recommended Program		Distinguished Achievement Program		Minimum Program	
	Credits	Requirement Specifics	Credits	Requirement Specifics	Credits	Requirement Specifics
English	4.0	English I, II, III, and IV: English I and II for Speakers of Other Languages may be substituted for English I and II only for students with limited English proficiency that are at the beginning of intermediate levels of English language proficiency.	4.0	English I, II, III, and IV: English I and II for Speakers of Other Languages may be substituted for English I and II only for students with limited English proficiency that are at the beginning of intermediate levels of English language proficiency.	4.0	English I, II, III, and IV: English I and II for Speakers of Other Languages may be substituted for English I and II only for students with limited English proficiency who are at the beginning of intermediate levels of English language proficiency. The fourth credit of English may also be selected from Creative & Imaginative Writing, Journalism or Business English.
Math	4.0	Algebra 1, Geometry, Algebra 2 and a fourth credit are required. The fourth credit may be selected from the following: Independent Study: Topics in Mathematics, Math Models with Applications (required successful completion prior to Algebra 2), PreCalculus, AP Statistics, AP Calculus AB, AP Calculus BC, Engineering Math; or the following 1/2 credit in Independent Study in Math courses are offered at Brazosport College: Trigonometry, College Algebra, Statistics, Calculus 1.	4.0	Algebra 1, Geometry, Algebra 2 and a fourth credit are required. The fourth credit may be selected from the following: , PreCalculus, AP Statistics, AP Calculus AB, AP Calculus BC, Engineering Math; or the following 1/2 credit in Independent Study in Math courses offered at Brazosport College: Trigonometry, College Algebra, Statistics, Calculus 1.	3.0	Algebra 1, Geometry, and a third credit is required. The third credit may be selected from the following: Algebra II, Math Models with Applications, PreCalculus, AP Statistics, AP Calculus AB, AP Calculus BC, Engineering Math; or the following 1/2 credit in Independent Study in Math offered at Brazosport College: Trigonometry, College Algebra, Statistics, Calculus 1. (Combinations of half credits for the final credit is not allowed.)
Science	4.0	Biology, Chemistry, Physics and the fourth credit may be selected from any of the following: Aquatic Science, Astronomy, Environmental Systems, AP Biology, AP Chemistry, AP Physics B or C, AP Environmental Science. The additional credit may be selected from the following laboratory-based courses and may be taken after successful completion of biology and chemistry and either successful completion of or concurrently with physics: Scientific Research & Design, Anatomy and Physiology, Engineering Design & Problem Solving, or Forensic Science. The additional credit may be IPC and must be successfully completed PRIOR to Chemistry and Physics.	4.0	Biology, Chemistry, Physics and the fourth credit may be selected from any of the following: Aquatic Science, Astronomy, Environmental Systems, AP Biology, AP Chemistry, AP Physics B or C, AP Environmental Science, Scientific Research & Design, Anatomy and Physiology, Engineering Design & Problem Solving, or Forensic Science. IPC are not valid science courses for the Distinguished Program.	2.0	Biology, Integrated Physics and Chemistry (IPC). May substitute a chemistry credit (Chemistry, AP Chemistry, or IB Chemistry) or a Physics Credit (Physics, Principles of Technology, AP Physics, or IB Physics) for IPC but must use the other of these two courses as the academic elective credit.
Social Studies	4.0	Student must take one full credit of the same course. Must consist of World Geography, World History, U. S. History Since Reconstruction, 0.5 credit of U.S. Government and 0.5 credit of Economics with emphasis on the free enterprise system and its benefits.	4.0	Student must take one full credit of the same course. Must consist of World Geography, World History, U. S. History Since Reconstruction, 0.5 credit of U.S. Government and 0.5 credit of Economics with emphasis on the free enterprise system and its benefits.	3.0	Student must take one full credit of the same course. Must consist of World Geography or World History, U. S. History Since Reconstruction, 0.5 credit of U.S. Government, and 0.5 credit of Economics with emphasis on the free enterprise system and its benefits.
Academic Elective	0		0		1	One credit from any of the following: <ul style="list-style-type: none"> <li>• World History Studies</li> <li>• World Geography Studies</li> <li>• Any science course approved by SBOE</li> <li>• (If substituting Chemistry or Physics for IPC, must use the other as academic elective credit here.)</li> </ul>
Languages Other Than English	2.0	The credits must consist of any 2 levels in the same language.	3.0	The credits must consist of any 2 levels in the same language.	0.0	None

<b>Physical Education</b>	<b>1.0</b>	Must include 0.5 credit of Foundations of Personal Fitness and 0.5 credit from Individual Sports, Team Sports, Aerobic Dance Activity or Adventure/Outdoor Education. Up to one PE credit may be earned for Cheerleading, Drill Team, Marching Band, or approved private physical activity programs. Up to four credits may be earned for Athletics, and JROTC. <u>Credit may not be earned for any TEKS-based course more than once.</u> No more than four substitutions, credits may be earned through any combination of substitutions. Beginning with the 2010-11 school year, Dance I-IV will no longer count toward PE credit. Beginning the 2011-12 school years, 2-3 credit career and technical work-based training courses will no longer count toward PE credit.	<b>1.0</b>	Must include 0.5 credit of Foundations of Personal Fitness and 0.5 credit from Individual Sports, Team Sports, Aerobic Dance Activity or Adventure/Outdoor Education. Up to one PE credit may be earned for Cheerleading, Drill Team, Marching Band, or approved private physical activity programs. Up to four credits may be earned for Athletics, and JROTC. <u>Credit may not be earned for any TEKS-based course more than once.</u> No more than four substitutions, credits may be earned through any combination of substitutions. Beginning with the 2010-11 school year, Dance I-IV will no longer count toward PE credit. Beginning the 2011-12 school year, 2-3 credit career and technical work-based training courses will no longer count toward PE credit.	<b>1.0</b>	Must include 0.5 credit of Foundations of Personal Fitness and 0.5 credit from Individual Sports, Team Sports, Aerobic Dance Activity or Adventure/Outdoor Education. Up to one PE credit may be earned for Cheerleading, Drill Team, Marching Band, or approved private physical activity programs. Up to four credits may be earned for Athletics, and JROTC. <u>Credit may not be earned for any TEKS-based course more than once.</u> No more than four substitutions, credits may be earned through any combination of substitutions. Beginning with the 2010-11 school year, Dance I-IV will no longer count toward PE credit. Beginning the 2011-12 school year, 2-3 credit career and technical work-based training courses will no longer count toward PE credit.
<b>Professional Communications</b>	<b>0.5</b>	One-half credit from either of the following: Communication Applications or Professional Communications.	<b>0.5</b>	One-half credit from either of the following: Communication Applications or Professional Communications.	<b>0.5</b>	One-half credit from either of the following: Communication Applications or Professional Communications.
<b>Fine Arts</b>	<b>1.0</b>	One credit of the same course from any of the following: Art, Band, Choir, Dance, Music Theory, Orchestra, Technical Theatre, Theatre or Principles & Elements of Floral Design. Beginning with the 2010-11 school year, Dance I-IV will no longer count toward PE Credit.	<b>1.0</b>	One credit of the same course from any of the following: Art, Band, Choir, Dance, Music Theory, Orchestra, Technical Theatre, Theatre or Principles & Elements of Floral Design. Beginning with the 2010-11 school year, Dance I-IV will no longer count toward PE Credit.	<b>1.0</b>	One credit of the same course from any of the following: Art, Band, Choir, Dance, Music Theory, Orchestra, Technical Theatre, Theatre or Principles & Elements of Floral Design. Beginning with the 2010-11 school year, Dance I-IV will no longer count toward PE Credit.
<b>Health (district requirement)</b>	<b>0.5</b>	Health or approved health substitutions such as Health Science I.	<b>0.5</b>	Health or approved health substitutions such as Health Science I.	<b>0.5</b>	Health or approved health substitutions such as Health Science I.
<b>Electives</b>	<b>5.0</b>	Any state approved courses	<b>4.0</b>	Any state approved courses	<b>6.0</b>	Any state approved courses
<b>Total Credits</b>	<b>26.0</b>		<b>26.0</b>		<b>22.0</b>	
<b>Additional Information</b>				The Distinguished Achievement Program requires students to complete the graduation requirement for the DAP and total of 4 advanced measures from the following categories: (1) Original Research Project (may not be used for more than 2 of the 4 measures). Examples include: Boy Scouts Eagle Scout Award; Girl Scouts Gold Award; and UIL solo state level competition. (2) Test Data (may be used for all 4 measures). Examples include: Three or higher on any College Board Advanced Placement exam; National Merit Commended Scholar or higher; National Hispanic Scholar; National Achievement Award Scholar. (3) College Courses (may be used for all 4 measures). A grade of 80% or higher on courses that count for college credit including: Tech Prep articulated courses; Dual Credit and Concurrent enrollment courses.		Should a student wish to graduate on the Minimum Program, the student must: (1) Be at least 16 years of age; (2) Have completed 2 credits in English, math, science, social studies or have failed to be promoted to the 10th grade one or more times. (3) Have a counselor/parent conference to discuss the future implications. Students on the Minimum Program forfeit eligibility for the Early Graduation Scholarship, The TEXAS Grant Program and consideration for admission to any general academic teaching institution (four year public college/university) including those with open enrollment policies unless the student satisfies the College Readiness Benchmarks on the ACT or SAT assessment. Students and parents must sign consent of this information in order to be placed on the Minimum Program. See your counselor for more information.

# Brazosport ISD CTE Career Clusters

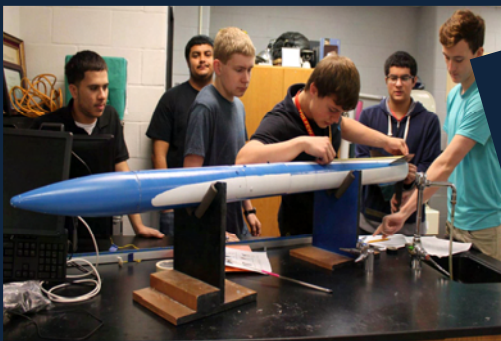
## Career & Technical Education



BISD offers over 100 CTE courses within the various Career Clusters listed below. Career Clusters allow students to plan for the future by choosing a pathway according to their interest in a field of study. This provides them the opportunity to take courses and engage in learning that gives them marketable skills right out of high school. Students can even obtain certifications in many of these career fields.

### Career Clusters

- Agriculture, Food and Natural Resources
- Architecture and Construction
- AV Technology & Communication/  
Information Technology
- Business, Marketing & Finance
- Education & Training/Human Services
- Health Science
- Hospitality & Tourism (Culinary)
- Law, Public Safety, Corrections & Security
- Manufacturing
- Science, Technology,  
Engineering & Mathematics
- Transportation, Distribution & Logistics



## Career and Technical Education

This section of the course guide is designed to help students select career pathway plans and courses that are appropriate to their needs and career interests. The Career and Technical Education program includes courses that provide a solid background for advanced college training in various fields, on-the-job training and saleable skills upon graduation from high school. Offering course sequences within career clusters may help students make better career choices and motivate students to reach higher academic achievement. Career Clusters represent a national and state effort ([AchieveTexas.org](http://AchieveTexas.org)) to help schools ensure that learners get the knowledge and skills they need for multiple career choices by matching what is taught in the classroom to business and industry expectations. With employers as partners, Career Clusters strengthen economic development with education and training.

Students should review each career cluster described and the courses and their descriptions before making or revising their four to six year plan. The career pathway for some subject areas may vary somewhat to the plans set forth in this section due to individual student interest, course offerings, and changes in state and local requirements. Students should discuss their individual plan with parents, school counselors, and teachers in their chosen field.

### **Pathways to Success – Find the Career Pathway to Your Future**

#### **What Are Career Pathways?**

Career pathways are broad clusters of occupations, which are grouped together because many of the people in them share similar interests and strengths. The pathways are flexible, overlapping in nature, which allows students to change as new knowledge and experiences are acquired. They help provide a focus and guideline for future planning at the high school level and beyond. Use the pathways to explore career options and design your own individual career pathway education plan.

#### **What is a Coherent Sequence?**

A coherent sequence includes two (2) or more course for three (3) or more credits in a Career and Technical Education Career Cluster. The 16 National Career Clusters include:

Agricultural, Food & Natural Resources	Hospitality & Tourism
Architecture & Construction	Human Services
Arts, A/V Technology & Communications	Information Technology
Business, Management & Administration	Law, Public Safety, Corrections & Security
Education & Training	Manufacturing
Finance	Marketing, Sales & Service
Government & Public Administration	Science, Technology, Engineering & Mathematics
Health Science	Transportation, Distribution & Logistics

**Suggested sequences are provided in this guide as examples within various pathways. Students are encouraged to take advantage of free career assessment software, and to discuss their individual academic and career goals with their counselor to create a four to six year plan unique to the student.**

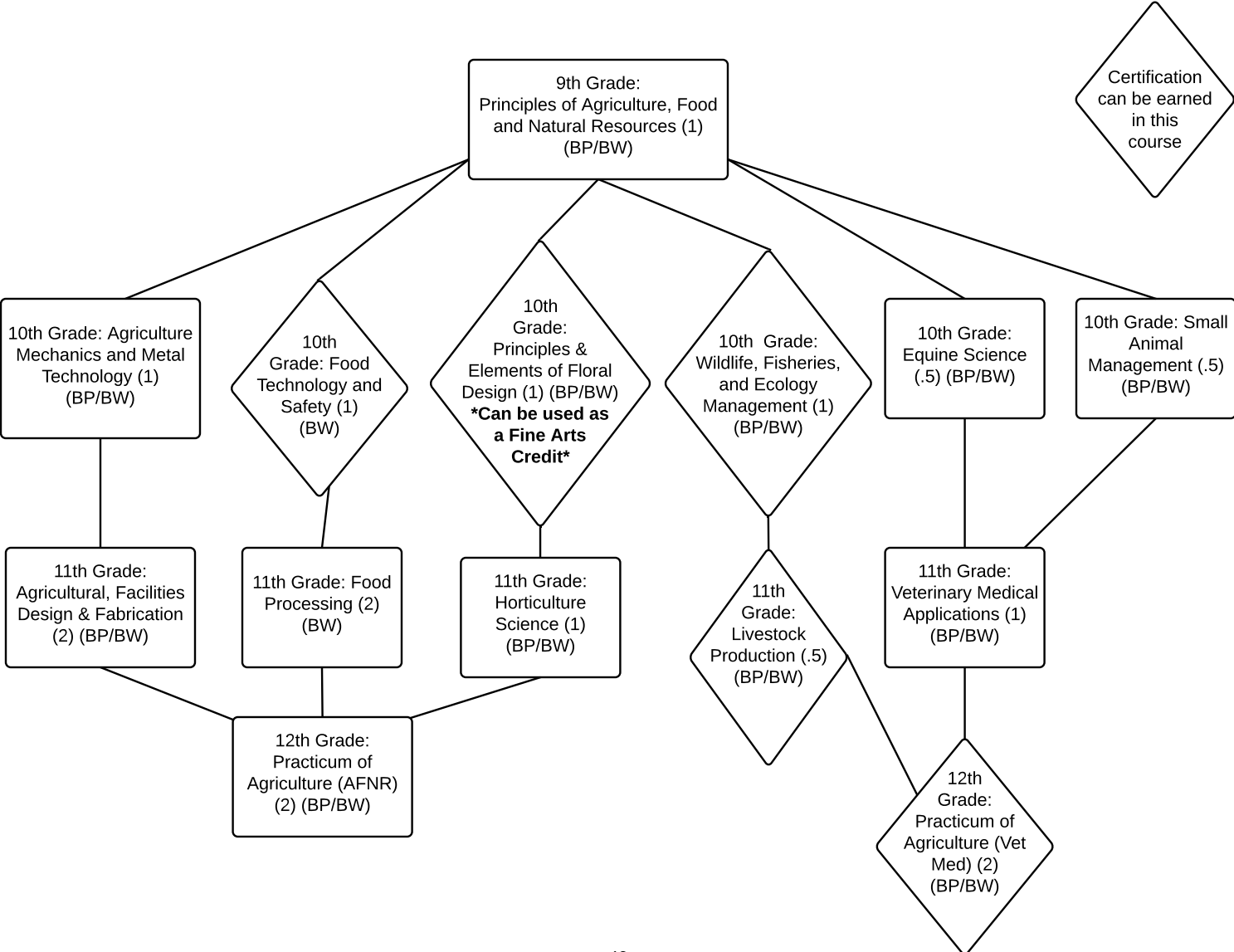
**Please visit the following sites for additional information on Career Clusters, Career Pathways and Career Information.**

Texas Education Agency  
States' Career Cluster Initiative  
O\*Net – My Next Move  
Reality Check  
Texas Workforce Commission  
Occupational Outlook Handbook  
Texas-Career Alternative Evaluation System

[www.tea.state.tx.us](http://www.tea.state.tx.us)  
[www.careerclusters.org](http://www.careerclusters.org)  
[www.mynextmove.org/](http://www.mynextmove.org/)  
[www.cdr.state.tx.us/RealityCheck](http://www.cdr.state.tx.us/RealityCheck)  
[www.twc.state.tx.us](http://www.twc.state.tx.us)  
[www.bls.gov/oco](http://www.bls.gov/oco)  
[www.texascaresonline.com](http://www.texascaresonline.com)

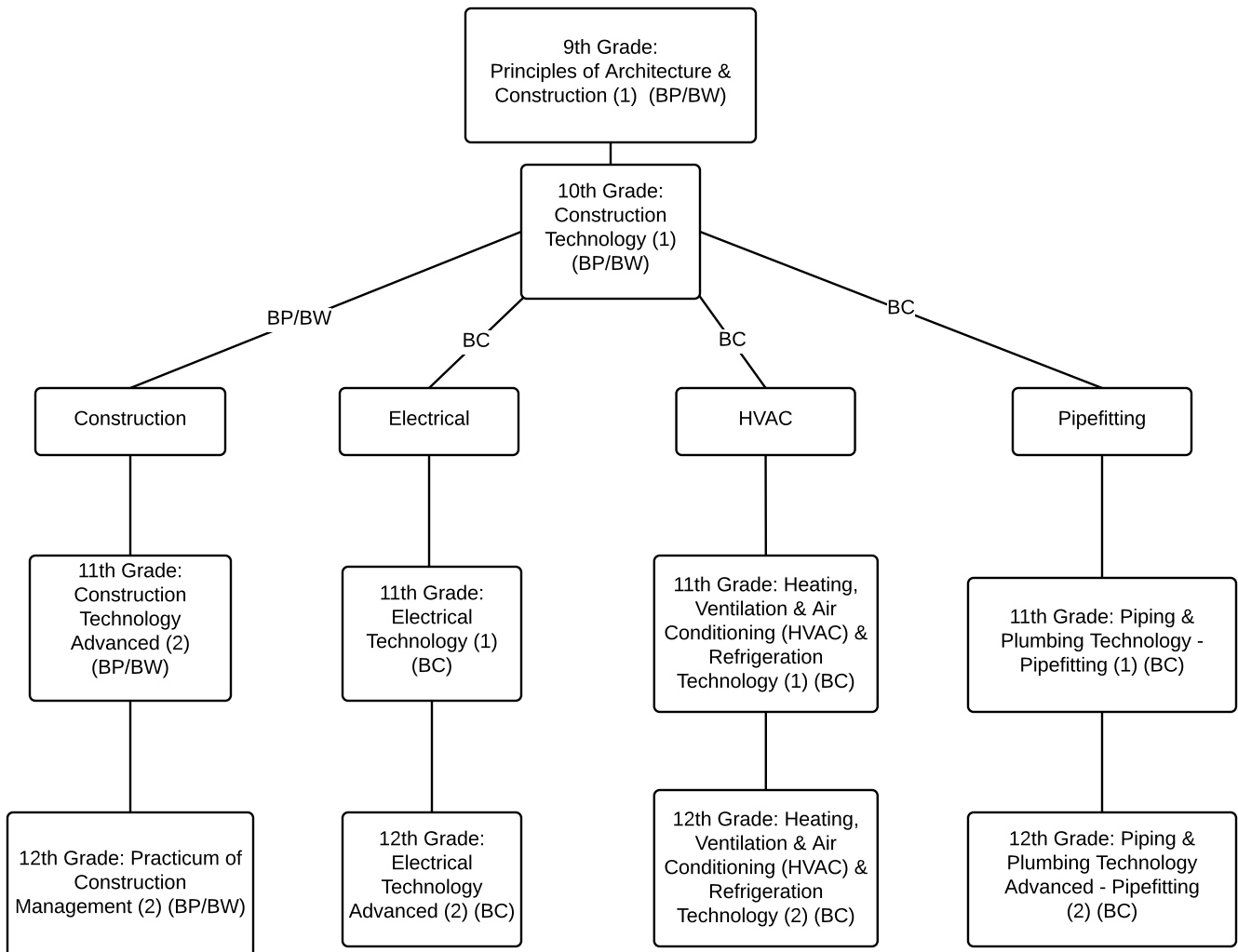
# Agriculture, Food and Natural Resources

This industry cluster focuses on the planning, implementation, production, management, processing, and marketing of agricultural commodities and services, and the related professional, technical and educational services. Some of the fastest growing and /or highest wage occupations include agricultural marketing and sales personnel, agricultural engineers, laboratory and research technicians, animal reproduction specialists, environmental scientists, landscape and turf managers, and pest management specialists. As with all industry sectors, consideration of how academic courses required for graduation and college will sequence with Career Technical Education (CTE) or elective courses is important. An obvious connection for this industry sector is between the sciences and CTE courses. Also consider how math courses must integrate into the sequence of courses to ensure students can apply what they learn from one course to another. For example, natural resources management relies heavily on statistics and accurate measurement. This industry sector encompasses a wide range of pathways that include: Agricultural Business; Agricultural Mechanics; Agriscience; Animal Science; Forestry and Natural Resources; Ornamental Horticulture; Plant and Soil Science.



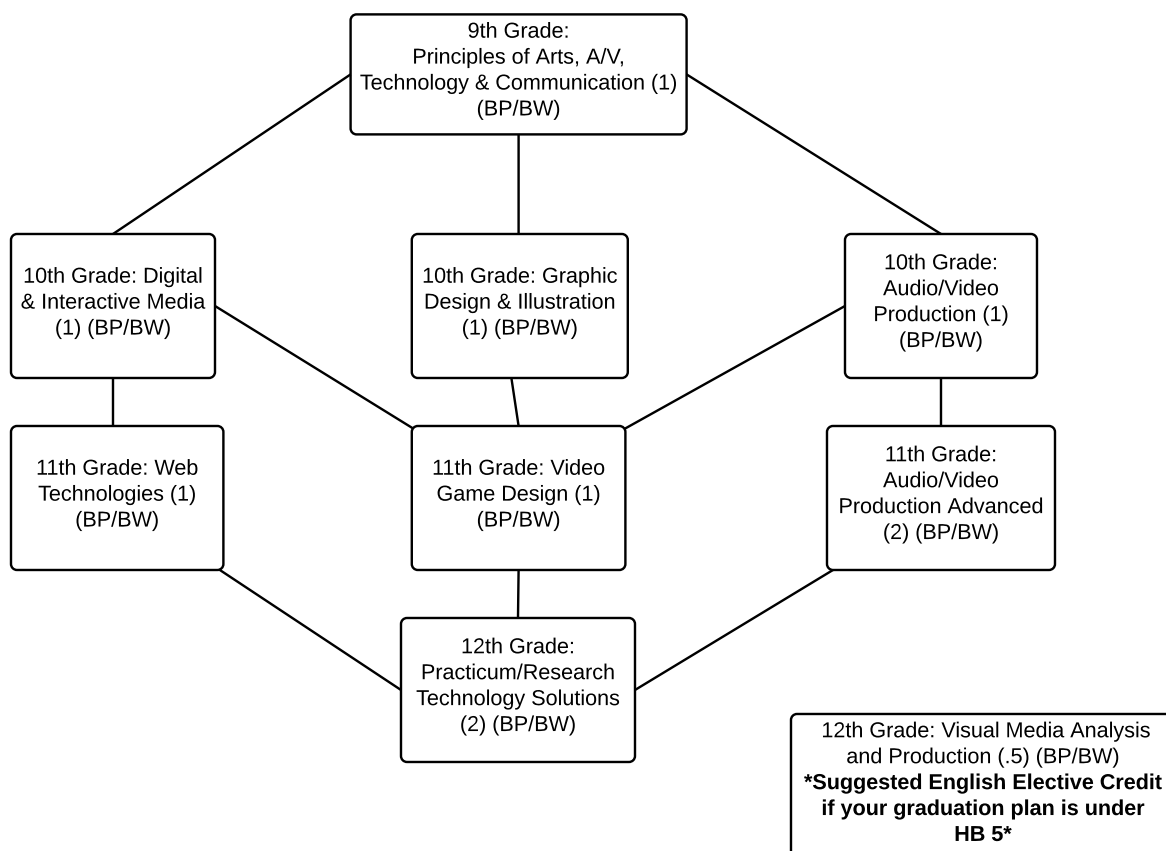
# Architecture and Construction

This industry cluster focuses on careers in designing, planning, managing, building and maintaining the building environment. This includes new structures, restorations, additions, alterations and repairs. Industry-recognized credentials are available from trade associations, industry-established education foundations and industry consortia. A new demand to "green" this industry is growing from consumers, government and other related agencies such as the U.S. Green Building Council. 21st century students interested in this industry will need to gain knowledge and skills related to natural resource management, energy efficiency, recycling existing materials, and compliance with new and existing regulations as well as the traditional emphasis on processes, systems and the way in which structures are built. Many courses, facility enhancements and partnerships with trade associations can be gained.



# AV Technology & Communication/Information Technology

The use of digital media has exploded over the last decade in every aspect of life. Digital media is consumed through televisions, radios, mobile devices, and computers. As a result, the number of careers that involve digital media has exploded. The industry demands motivated workers with highly technical skills. Courses in the digital media pathway can help develop those skills. The digital media pathway consists of several strands: web design, graphic design, video game design, and audio video production. In many cases the path through one strand will overlap with the others. Most of the courses are project based, so students get hands-on experience similar to work done in the field. The web design strand gives a foundation in design principles and focuses on the development of web pages. The graphic design strand includes digital photography, illustration, animation, and 3D modeling. The video game design strand covers the entire process of game design from idea to finished product. The audio video strand provides technical and creative skills needed in the radio, TV, and film industries.



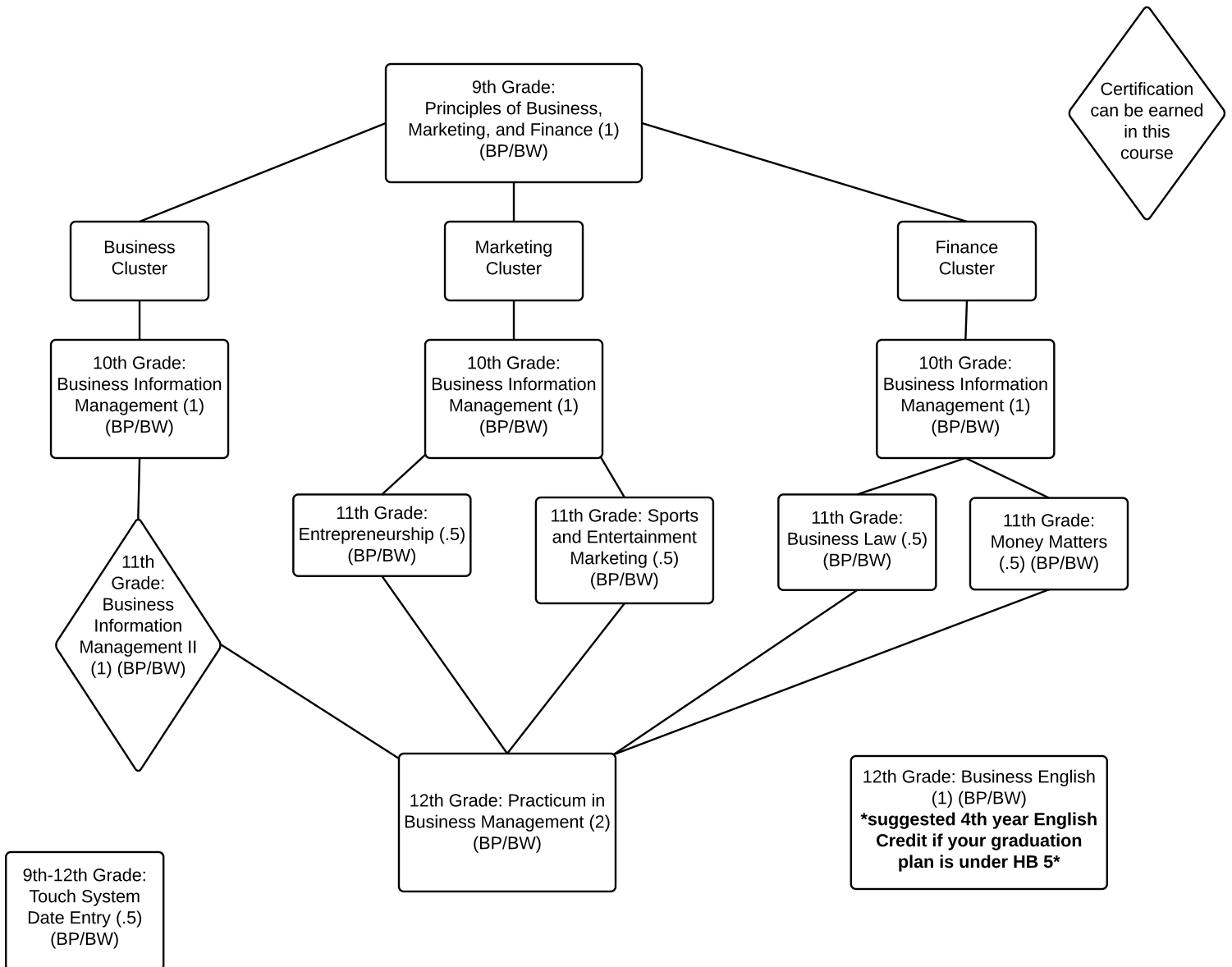


# Business, Marketing & Finance

Marketing, the transfer of goods and services among businesses and consumers, affects the economy at every level. This sector is designed to prepare learners for careers in planning, managing, and performing marketing activities. As businesses in the United States evolve to compete successfully in the global marketplace, a growing need exists for employees with business expertise and the ability to analyze and respond to emerging trends. Marketing includes the processes and techniques of transferring products or services to consumers and is a function of almost every business. It exists with in an environment of rapidly changing technology, interdependent nations and economies and increasing demands for ethical and social responsibility.

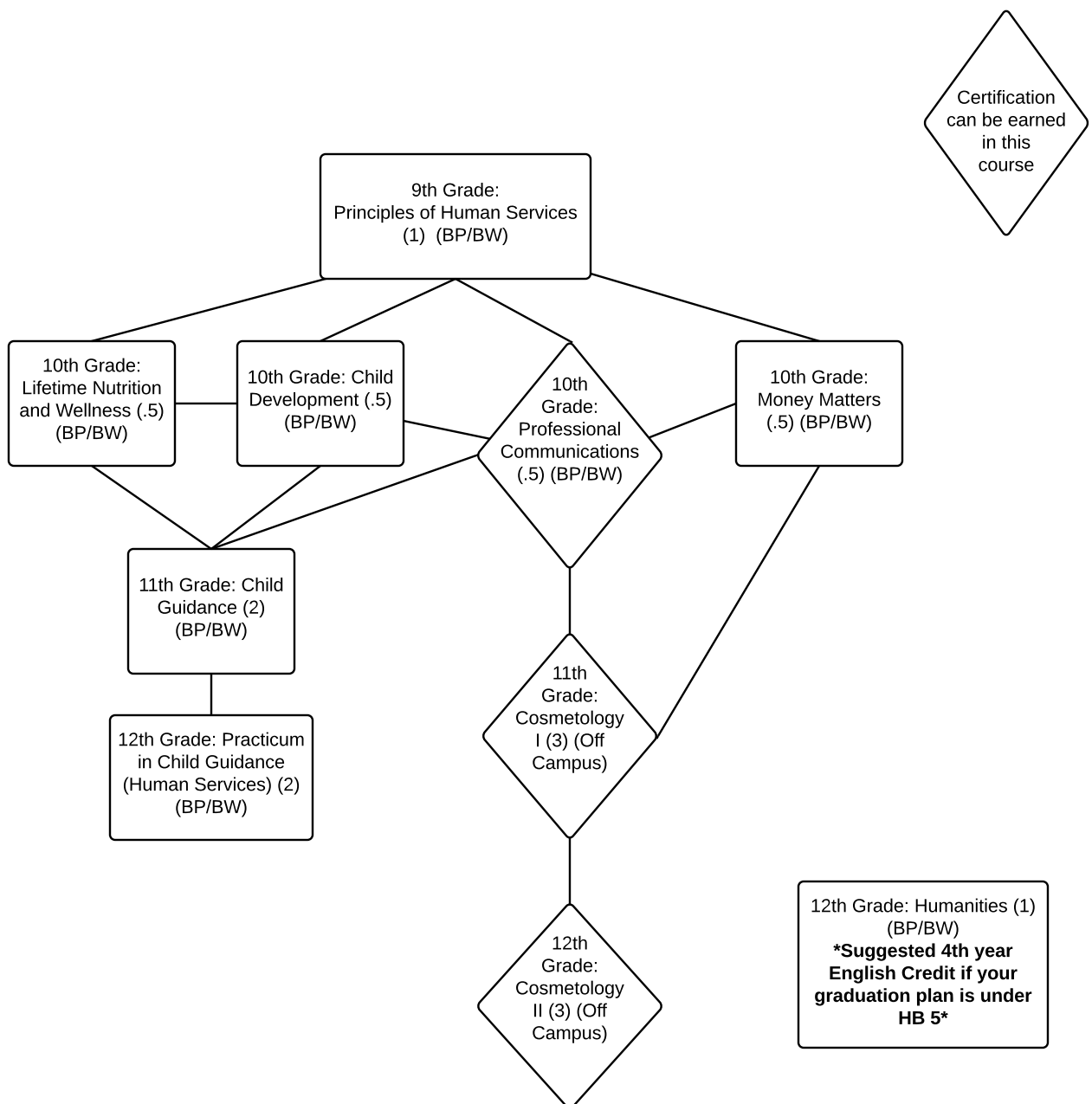
The Finance and Business industry sector, a vital contributor to the U.S. economy, employs more than six million people in related occupations. In all areas of this sector, advances in technology and trends toward direct marketing provide for many fast-growing career opportunities. For example, employment of accountants and auditors is expected to grow at a rate about equal to the average for all other occupations, and career opportunities in banking are expected to increase at a greater rate than normal as a result of the expansion of banking and investment institutions.

Because of market globalization and an increasing demand for investment advice, employment in financial management will also continue to grow. Students interested in this industry sector should develop knowledge and skills in mathematics, communications and technology.



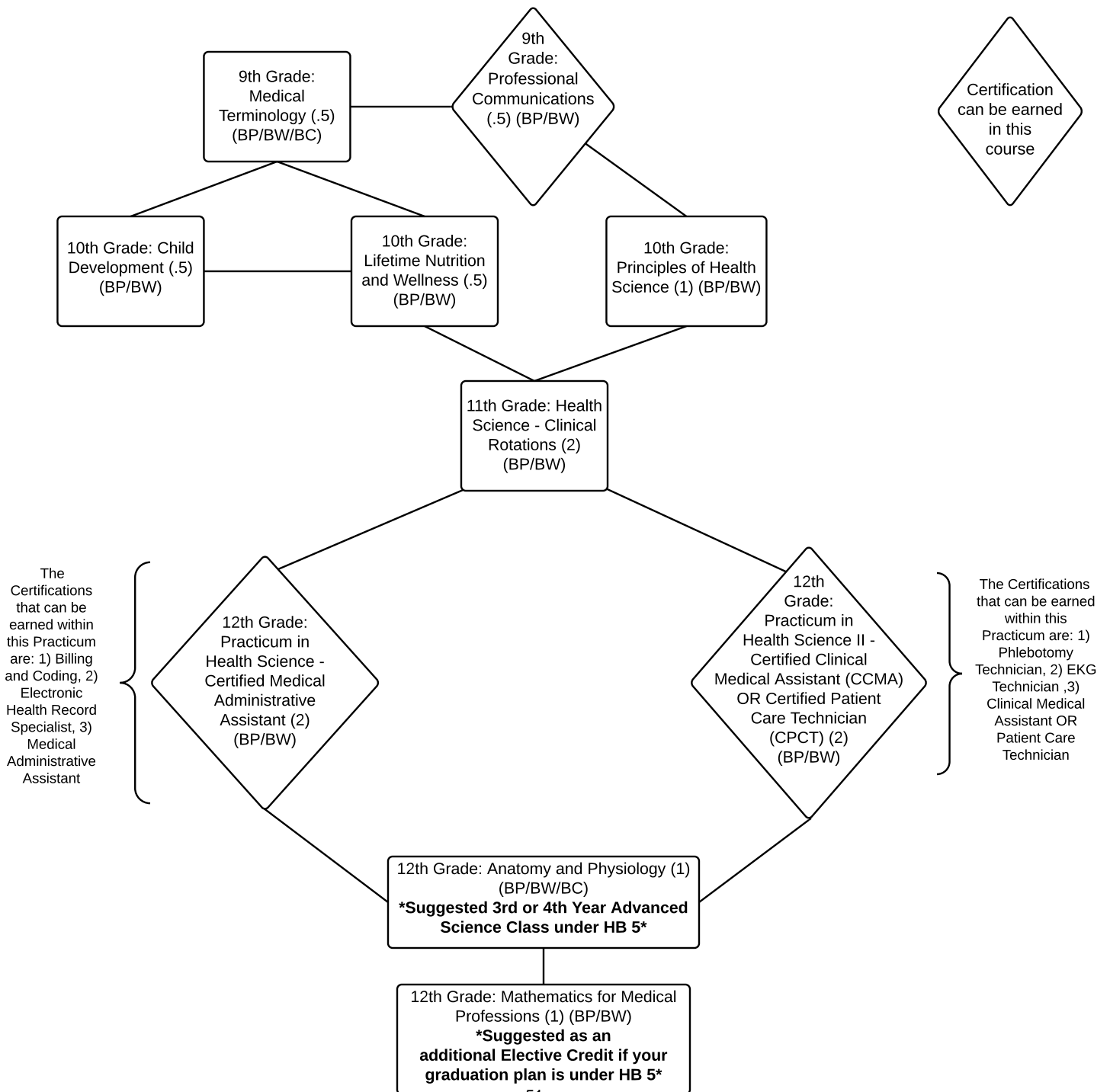
# Education Training/Human Services

This industry sector focuses on careers in education and training in a variety of settings that offer academic, vocational and technical instruction and education services. High staffing needs and growing emphasis on improving education for all students will create many and varied career opportunities in this field. Careers in child care, teaching, employment and management related to helping consumers such as credit counselors, and social workers are all fields students might be interested in pursuing through this industry sector. There are four interrelated pathways: Child Development, Consumer Services, Education and Family & Human Services.



# Health Science

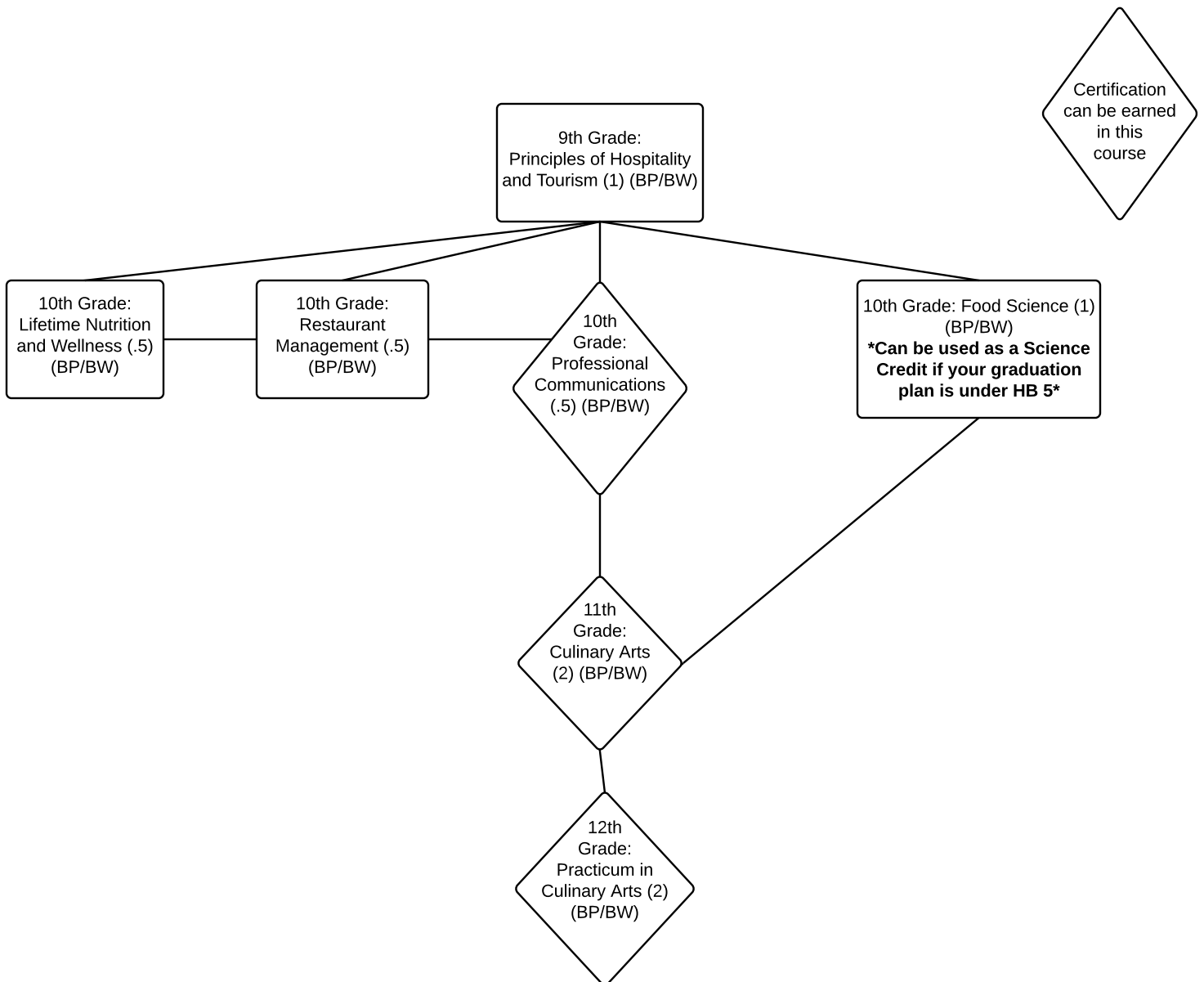
The Health Science and Medical Terminology industry sector focused on careers in planning, managing, and providing health care and research related services continues to be one of the fastest-growing occupational fields. The pathways and careers offer options to match a variety of the aptitudes, interests, abilities and academic achievement of students. Most positions require certification and/or licensing. The career pathways are grouped in functions that have a common purpose and similar attributes.



# Hospitality & Tourism

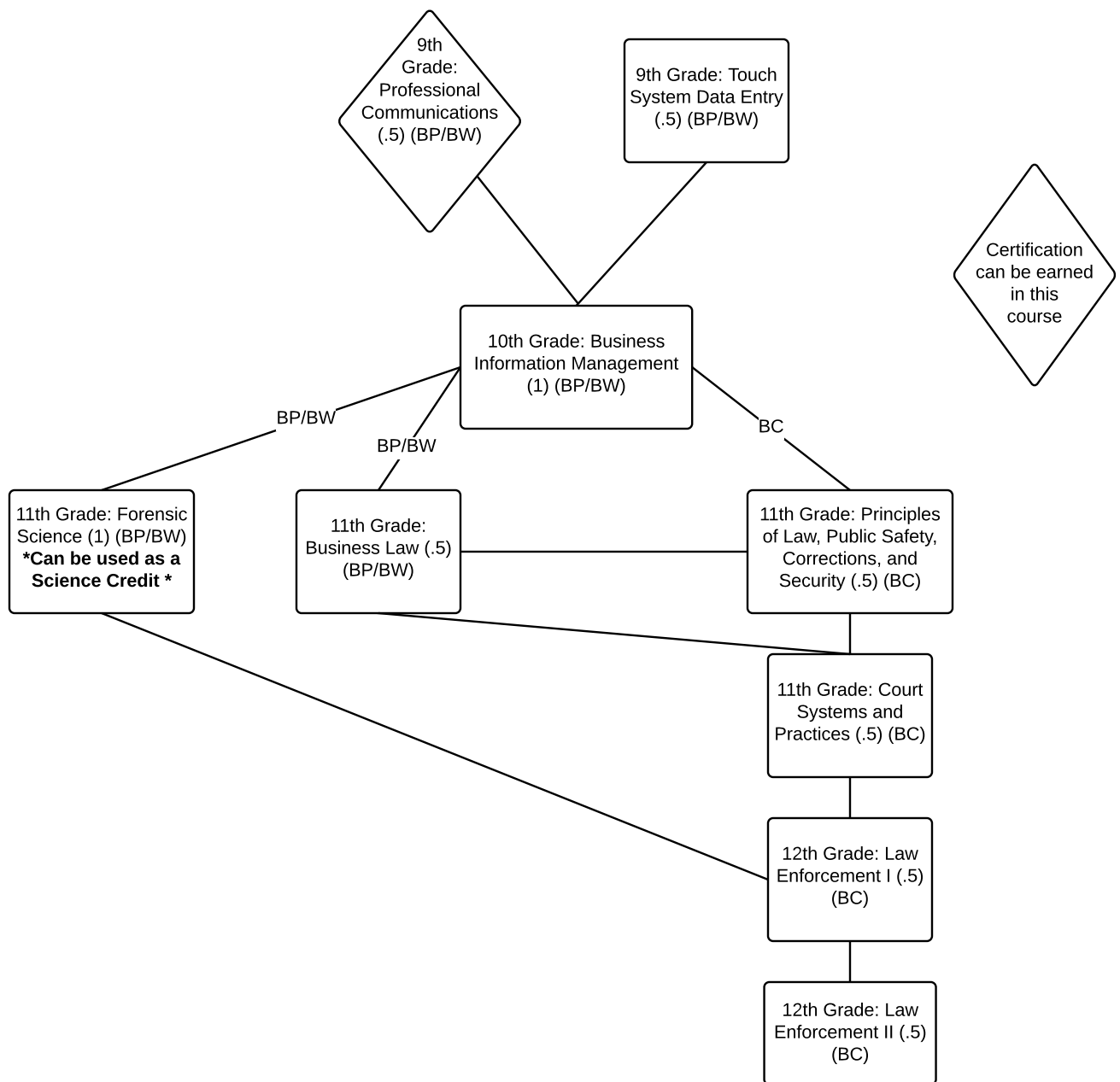
This industry cluster focuses on careers in the management, operations and marketing of restaurants, other food services, lodging, attractions, recreation events and travel-related services. One of the fastest growing industries, students choosing a career in this industry sector are eligible for positions throughout the world, with potential for advancement and ready availability for continuing employment. These careers require educational preparation ranging from high school education to four-year and advanced degrees.

Apprenticeship and internship programs and technical schools play a large role in educating for these careers. The level and type of education required depends on the level and type of job responsibilities. Many positions prefer, and some require, certification. This sector encompasses three distinct yet related pathways: Food Science, Dietetics and Nutrition; Food Service and Hospitality; and Hospitality, Tourism and Recreation.



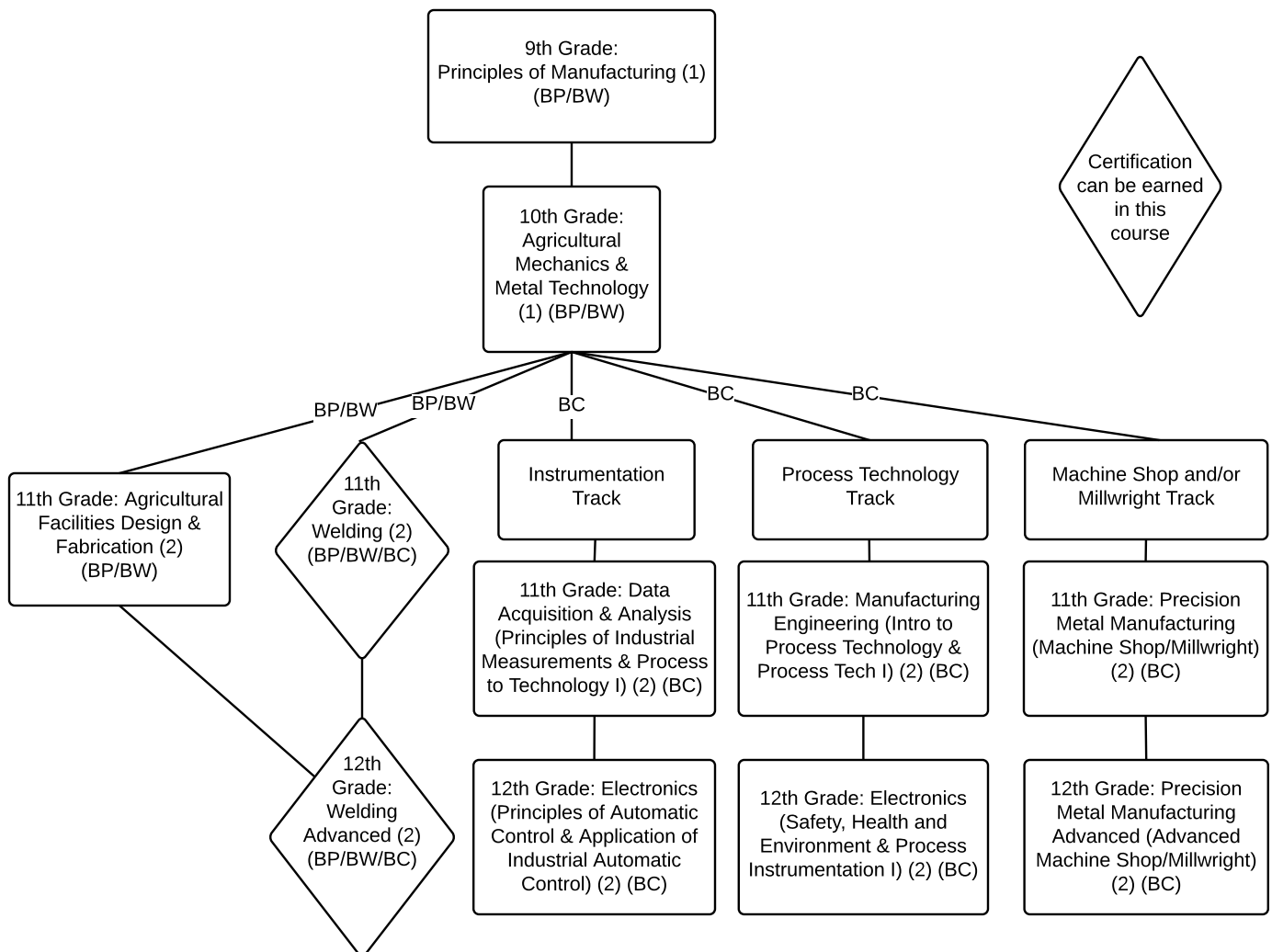
# Law, Public Safety, Corrections & Security

The Public Services sector provides a foundation for students in government, national security, foreign service, public management and administration, public safety, emergency and fire management, security and protective services, law enforcement, legal and human services. Growth in this industry sector is expected to be steady due to heightened interest in homeland and border security, social equity, and the retirement of workers from the baby-boom generation. Many positions require certification and/or licensing. It encompasses three career pathways: Human Services, Legal and Government Services, and Protective Services, which emphasize processes, systems, and services related to serving the public's interest.



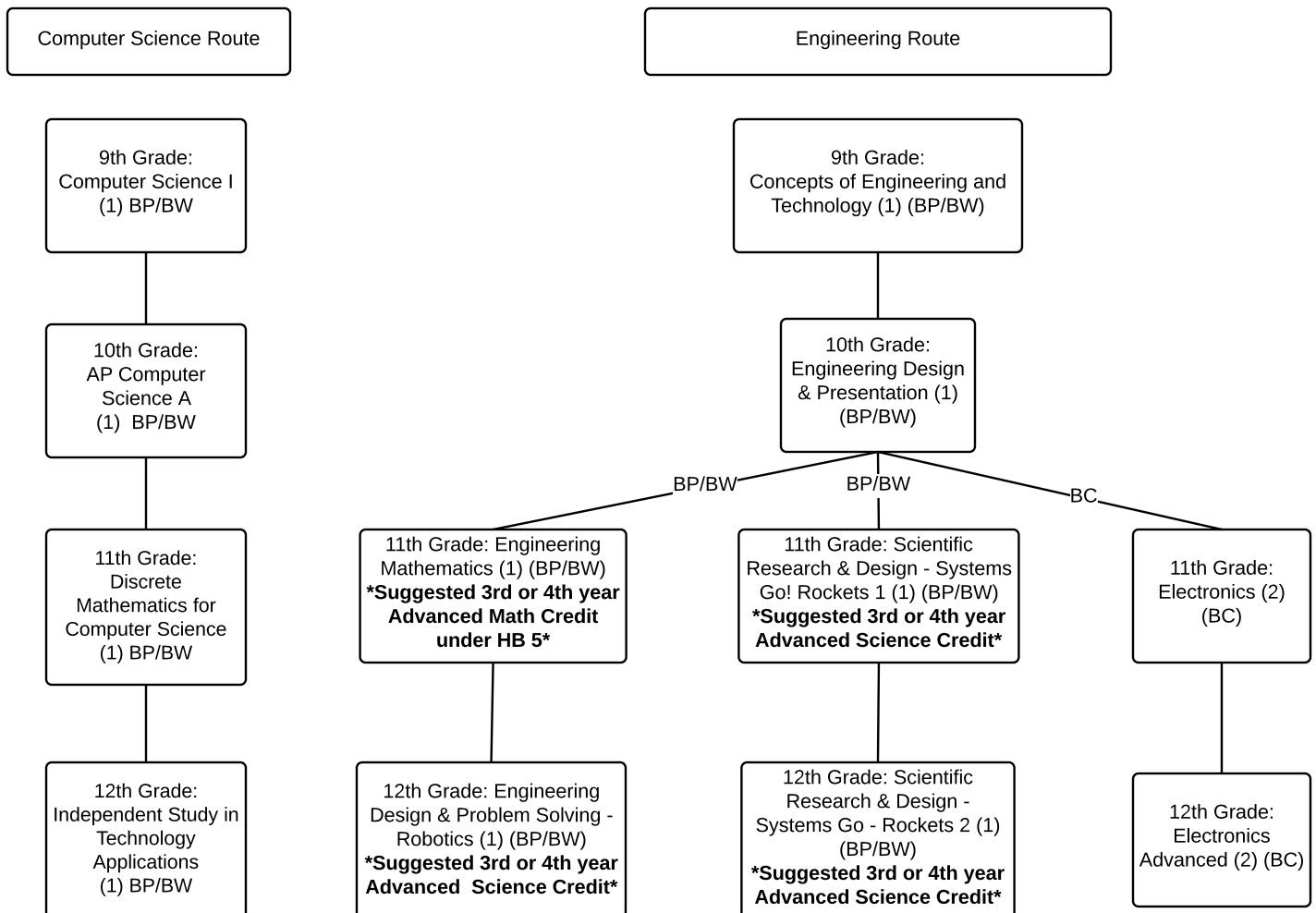
# Manufacturing

This industry sector focuses on careers in planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering, graphic communications, and graphic design. Products include every aspect of the economy including: computers, communications equipment, electronic components, high-tech instruments, apparel, metal products, chemicals, plastics, aircraft, ships, missiles and space products, and search and navigation equipment to name a few. Both large and small manufacturers are important participants in the electronics, multimedia, and other emergent regional industrial clusters. Many positions require certification and some require licensing. As in all industry sectors, students' instructional program should integrate technical preparation and academics with career awareness, career exploration, and skill preparation.



# Science, Engineering, Technology and Mathematics

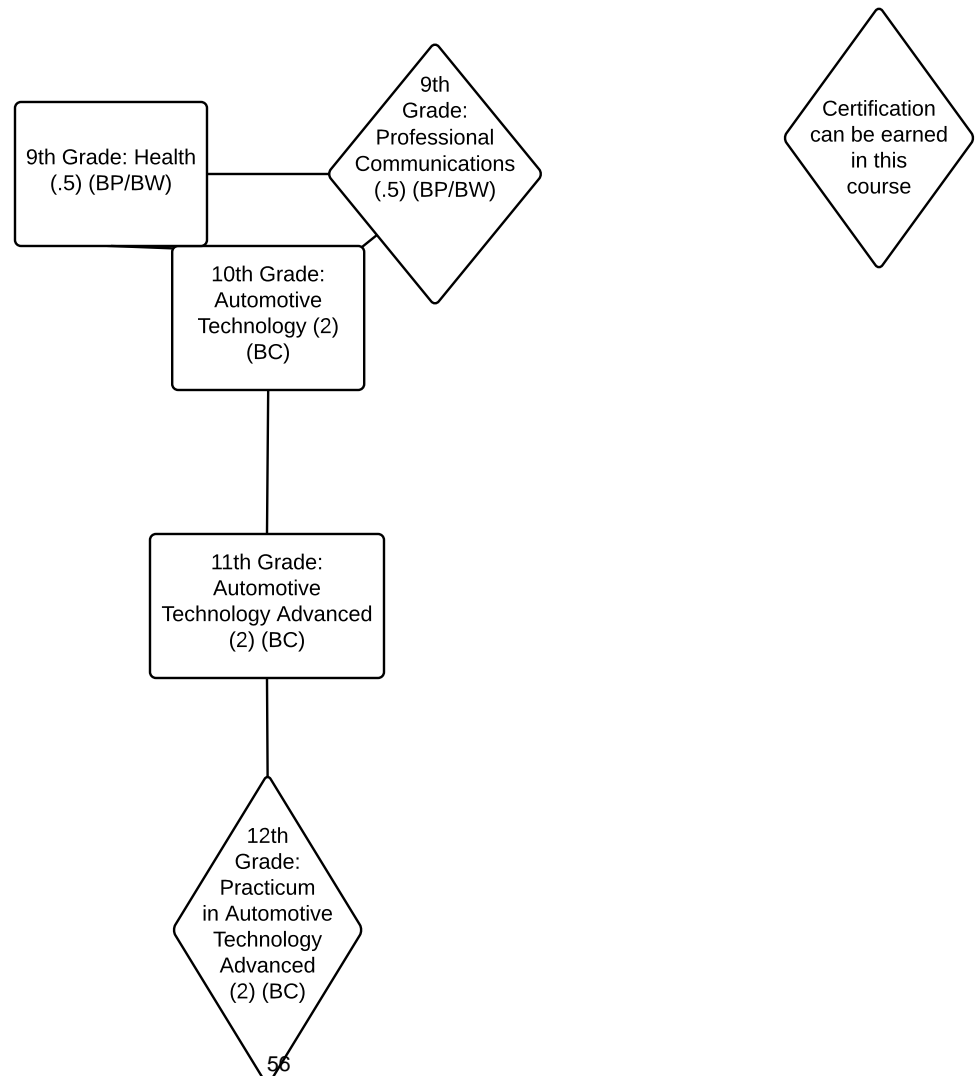
This industry sector includes a vast scope of opportunities. The demand is high for engineers in a variety of specializations such as, aeronautical, architectural, biotechnical, chemical, civil, construction, industrial and mechanical. This field also includes opportunities for occupations and post-secondary training as a CAD technician, environmental planner, materials lab and supply technician, quality technician, drafter, or technical writer. Most positions require certification, licensing and/or a college degree. The five pathways in this sector emphasize real-world, occupationally relevant experiences of significant scope and depth. They are: Architectural and Structural Engineering; Computer Hardware, Electrical, and Networking Engineering; Engineering Design; Engineering Technology; Environmental and Natural Science Engineering. Computer Science jobs are growing at 2X the national average creating a large demand for college students majoring in this field of study. A Computer Science degree offers many career opportunities such as software systems developers, computer systems engineers, computer programmers, web developers, computer systems analysts and software application developers.



# Transportation, Distribution & Logistics

This industry sector focuses on careers and businesses involved in the planning, management and movement of people, materials and products by road, air, rail and water. It also covers support services such as infrastructure planning and management, logistic services and maintenance of mobile equipment and facilities. It will also continue to adapt to changing technology and repair techniques as vehicle components and systems become increasingly sophisticated. Examples include developments in rocket technology, super-capacity jet airplanes, and hybrid and hydrogen fuel-cell technology affecting automobiles and diesel trucks that run on biodiesel or other alternative fuels.

The transportation industry sector features three career pathways that provide opportunities from entry-level jobs requiring high school diplomas to progressive careers requiring advanced degrees. The three pathways emphasize real-world, occupationally relevant experiences of significant scope and depth in Aviation and Aerospace Transportation Services, which include maintaining aircraft, operating airports, and designing and flying various types of aircraft; Collision Repair and Refinishing, which includes painting, repairing, and refinishing vehicles; and Vehicle Maintenance, Service, and Repair, which includes maintaining, servicing, and repairing light, medium, and heavy-duty vehicles.





# Brazosport Independent School District

## Course Descriptions

Course offerings may vary based on enrollment.  
Brazosport College (BC) Dual Credit course classifications are determined by BC standards.  
Campus Key: Brazoswood (BW), Brazosport (BP)

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### English Language Arts / Reading

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#### ENGLISH I

**Credit:** 1

**Prerequisites:** None.

Students will do integrated studies of grammar, vocabulary and complete work in a variety of literary genres and composition. Composition is generated through the writing process for single and multi-paragraph essays.

**Course ID:** 4100; ENG 1; 03220100

**Campus Offered:** BP BW

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#### ENGLISH I PRE-AP

**Credit:** 1

**Prerequisites:** None.

This course is designed to challenge very capable students. Students will study vocabulary and grammar and read literature extensively. Several compositions will be required related to the literature. This course presents a more advanced curriculum, and a weighted grade will be applied to the semester average.

**Course ID:** 4107; ENG 1; 03220100

**Campus Offered:** BP BW

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#### ENGLISH I PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS-based English I instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 410M; ENG I; 03220100

**Campus Offered:** BP BW

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#### ENGLISH I BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS-based English I instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 410A; ENG 1; 03220100

**Campus Offered:** BP BW

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#### ENGLISH II

**Credit:** 1

**Prerequisites:** English I (regular or Pre-AP).

This course emphasis is placed on reading, writing, speaking, and listening skills. The study of grammar and the grammatical structures is integrated with writing in which skills include emphasis on essays. Vocabulary is studied throughout the year. Students also become more skilled in reading and evaluating short stories, novels, plays, and poetry.

**Course ID:** 4200; ENG 2; 03220200

**Campus Offered:** BP BW

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## English Language Arts / Reading

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### ENGLISH II PRE-AP

**Credit:** 1

**Prerequisites:** English I (regular or Pre-AP).

Very capable students continue to develop skills in writing through the study of grammar as well as the writing of increasingly complex multi-paragraph essays. Vocabulary is expanded with emphasis on refinement of test-taking strategies for college entrance exams. Furthermore, literary studies reflect greater quantity, depth of understanding, and evaluation of short stories, novels, plays, and poetry. Students in this class are responsible for independent studies outside of class well in excess of expectations of students in English II classes. This course presents a more advanced curriculum, and a weighted grade will be applied to the semester average.

**Course ID:** 4207; ENG 2; 03220200

**Campus Offered:** BP BW

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### ENGLISH II PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS-based English II instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 420M;ENG 2; 03220200

**Campus Offered:** BP BW

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### ENGLISH II BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS-based English II instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 420A; ENG 2; 03220200

**Campus Offered:** BP BW

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### ENGLISH FOR SPEAKERS OF OTHER LANGUAGES I, II

**Credit:** 1 for each level

**Prerequisites:** Testing and language proficiency assessment of recent immigrants and LPAC recommendation.

This course is designed for students who speak another language and have difficulty with the English language. Employing skills in listening, speaking, reading and writing, students will move from simple to more complex activities. Upon completion of the course, students should be able to use the English language at a level sufficient for receiving instruction in various subject areas. English I SOL and English II SOL may be substituted for English I and English II credit. English III and English IV will be required for graduation.

**Course ID:** 4710; ENG1 SOL; 03200600 -- 4720; ENG2 SOL; 03200700

**Campus Offered:** BP BW

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### ENGLISH III

**Credit:** 1

**Prerequisites:** English II (regular or Pre-AP).

English III is a chronological approach to the reading and study of American literature, stressing major authors and literary periods. Students will be required to write a documented, formal research paper as well as composition assignments of various lengths and types.

**Course ID:** 4300; ENG 3; 03220300

**Campus Offered:** BP BW

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### ENGLISH III PRE-AP

**Credit:** 1

**Prerequisites:** English II (regular or Pre-AP).

Students will write increasingly complex multi-paragraph compositions, often within one class period. They will study American literature, evaluate this literature, and draw parallels among the works studied. Both the number and difficulty of these assignments will be well beyond that expected in the regular program. In addition, students will complete independent projects. Students will also be expected to write a documented, formal research paper. This course presents a more advanced curriculum, and a weighted grade will be applied to the semester average.

**Course ID:** 4307; ENG 3; 03220300

**Campus Offered:** BP BW

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# English Language Arts / Reading

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## ENGLISH III ADVANCED PLACEMENT (LANGUAGE & COMPOSITION)

**Credit:** 1

**Prerequisites:** English II (regular or Pre-AP).

Students enrolled in this course are expected to take the College Board AP examination. Individual colleges and universities determine advanced standing based on AP exam scores. This college level course trains students to become skilled readers of American prose written in a variety of periods, disciplines, and rhetorical contexts. Students develop composition skills to make them flexible writers in a variety of modes and for a variety of purposes. Students will also be expected to write a documented, formal research paper. This course presents a more advanced curriculum, and a weighted grade will be applied to the semester average.

**Course ID:** 4308; APENGLAN; A3220100

**Campus Offered:** BP BW

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## ENGLISH III PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS-based English III instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 430M; ENG 3; 03220300

**Campus Offered:** BP BW

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## ENGLISH III BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS-based English III instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 430A; ENG 3; 03220300

**Campus Offered:** BP BW

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## ENGLISH WITH OPPORTUNITIES I, II, III

**Credit:** .5 - 1 (state elective for each time taken)

**Prerequisites:** Placement by committees only.

This is an intervention program that must be taken with English I, II, or III. Instruction will address basic reading standards; placement includes entrance and exit criteria.

**Course ID:** 4001;READ1;03270700--4002;READ2; 03270800--4003;READ3; 03270900

**Campus Offered:** BP BW

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## ENGLISH IV

**Credit:** 1

**Prerequisites:** English III (regular, Pre-AP, or AP).

English IV students will study a variety of literary and expository works with emphasis on major works of British and world literature. Students will apply the writing process to produce essays for a variety of purposes. The course includes instruction in the research process to support students in producing a formal research paper.

**Course ID:** 4400; ENG 4; 03220400

**Campus Offered:** BP BW

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## ENGLISH IV PRE-AP

**Credit:** 1

**Prerequisites:** English III (regular, Pre-AP, or AP).

Advanced English IV students will study a variety of literary and expository works with emphasis on major works of British and world literature. Students will apply the writing process to produce essays for a variety of purposes. The course includes instruction in the research process to support students in producing a formal research paper. This course presents a more advanced curriculum, and a weighted grade will be applied to the semester average.

**Course ID:** 4406 (4404 for BC); ENG 4; 03220400

**Campus Offered:** BP BW BC

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## English Language Arts / Reading

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### ENGLISH IV ADVANCED PLACEMENT (LITERATURE & COMPOSITION)

**Credit:** 1

**Prerequisites:** English III (regular, Pre-AP, or AP).

Students enrolled in this course are expected to take the College Board AP examination. Individual colleges and universities determine advanced standing based on AP exam scores. This course will stress development of sophisticated skills in reading and analyzing literature, both poetry and prose, and refining essays written in various modes of disclosure and rhetorical strategies. Timed practices and emphasis on AP literature terminology, both introduced in Eng. III AP, will be utilized on a regular basis. Students will intensively study representative works of recognized literary merit from various genres and periods with emphasis on works by British and world literature authors, write on both literary and nonliterary topics, and do extensive independent reading and research. This course presents a more advanced curriculum, and a weighted grade will be applied to the semester average.

**Course ID:** 4408; APENGLIT; A3220200

**Campus Offered:** BP BW

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### ENGLISH IV (DUAL CREDIT)

**Credit:** 1

**Prerequisites:** English III (regular, Pre-AP, or AP).

Students may earn dual credit by taking Composition and Rhetoric I (English 1301) and Composition and Rhetoric II (English 1302) at Brazosport College. In English 1301 students are introduced to the rhetorical and mechanical skills necessary to develop confident, informed voices. Students will learn about the writing process through critical reading of nonfictional and fiction prose, revision, editing, and collaboration. The class focuses on the strategies and conventions of academic writing, especially exposition and argumentation. English 1302 includes study and practice in the strategies and techniques for developing research-based expository and persuasive writing. There is an emphasis on interaction with literary texts, effective and ethical inquiry, critical reading, systematic evaluation, documentation of information sources, and critical thinking. This course presents a more advanced curriculum, and a weighted grade will be applied to the semester average.

**Course ID:** 4404 for BC (4444 for BP); ENG 4; 03220400

**Campus Offered:** BC

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### BUSINESS ENGLISH

**Credit:** 1

**Prerequisites:** English III. Grade 12.

Students will recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing communication, and reasoning skills and apply them to the business environment. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of conventions and mechanics of written English and produce final, error-free drafts of business reproduction. This course will count for English IV under the Foundation Graduation Plan (HB5). Organization: Business Professionals of America.

**Course ID:** 8176; BUSENGL; 13011600

**Campus Offered:** BP BW BC

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### ENGLISH COLLEGE PREPARATORY COURSE

**Credit:** 1

**Prerequisites:** Met standard on English I and English II STAAR EOC. Grade 12.

The focus of the course will be on applying critical reading skills for organizing, analyzing, and retaining material and developing written work appropriate to the audience, purpose, situation, and length of the assignment. This course is designed to prepare students for college level reading and writing intensive courses including English 1301. Students will learn to write effective, logical essays, utilizing textual support to develop reading comprehension strategies, and to analyze, synthesize, and make value judgments using critical thinking. This course will count for English IV under the Foundation Graduation Plan (HB5).

**Course ID:** 4524; CPELA; CP110100

**Campus Offered:** BP BW

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### ENGLISH IV PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS-based English IV instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 4405; ENG; 03220400

**Campus Offered:** BP BW

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# English Language Arts / Reading

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## ENGLISH IV BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS-based English IV instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 4409; ENG 4; 03220400

**Campus Offered:** BP BW

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## CREATIVE AND IMAGINATIVE WRITING I, II

**Credit:** .5 for each level

**Prerequisites:** Recommended for Grades 10-12.

Students will become aware of the basic skills necessary to write in a variety of creative genres, including essays, reviews, short stories, memoir, and drama. Reading assignments will include the textbook as well as examples of excellent writing that will be provided in handouts. A major emphasis of the class will be written compositions. Each composition unit will consist of an introduction (lecture, examples, readings) followed by the writing process.

**Course ID:** 4510 (4514 for BC); CREAT WR; 03221200 -- CWII: 4520; CREAT WR; 03221200

**Campus Offered:** BW BC

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## RESEARCH AND TECHNICAL WRITING

**Credit:** 1

**Prerequisites:** Creative and Imaginative Writing I & II. Grades 11-12.

The study of technical writing allows students to develop skills necessary for writing persuasive and informative texts such as essays, reports, proposals, and memoranda. This rigorous composition course asks students to skillfully research a topic and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The student's evaluation of his/her own writing as well as the writing of others insures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing and set their own goals as writers.

**Course ID:** 4530; TECH WR; 03221100

**Campus Offered:** BW

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## HUMANITIES

**Credit:** 1

**Prerequisites:** Grade 12.

Humanities is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for various aesthetic purposes. This course includes the study of major historical and cultural movements and their relationship to literature and the other fine arts. Humanities is a rigorous course of study in which high school students respond to aesthetic elements in texts and other art forms through outlets such as discussions, journals, oral interpretations, and dramatizations. In addition, students use written composition to show an in-depth understanding of creative achievements in the arts and literature and how these various art forms are a reflection of history. All students are expected to participate in classroom discussions and presentations that lead to an understanding, appreciation, and enjoyment of critical, creative achievements throughout history. This course will count for English IV under the Foundation Graduation Plan (HB5).

**Course ID:** 4525; HUMANIT; 03221600

**Campus Offered:** BP BW

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## VISUAL MEDIA ANALYSIS AND PRODUCTION

**Credit:** .5

**Prerequisites:** Grade 12.

Students enrolled in this course will interpret various media forms for a variety of purposes. In addition, students will critique and analyze the significance of visual representations and learn to produce media messages that communicate with others. Students will identify the historical development of visual media, distinguish the purposes of various media forms, and recognize strategies used by media to inform, persuade, entertain, and transform culture.

**Course ID:** 4526; VI MEDIA; 03221700

**Campus Offered:** BP BW

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## English Language Arts / Reading

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### INDEPENDENT STUDY IN ENGLISH

**Credit:** 1

**Prerequisites:** Creative and Imaginative Writing I & II, Research and Technical Writing. Teacher approval. Recommended for Grade 12.

Students will plan, draft, and complete written compositions of a creative nature (two per six weeks) and have them critiqued in critique sessions in class. Other components will be research, outside reading, and journaling. Each student will submit at least one work per semester to a publisher or professional publication.

**Course ID:** 4540; IND ENG; 03221800

**Campus Offered:** BW

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## Journalism, Newspaper, Yearbook

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### JOURNALISM

**Credit:** 1

**Prerequisites:** None.

Students will learn how journalism was responsible for the birth of America through the study of historic figures like Nellie Bly and Joseph Pulitzer. The class learns how to ask thoughtful questions, take notes and craft a well-organized story which may be published in the school newspaper, the Art Institute in Houston and other places to reinforce learning in the classroom. Students will also learn the basics of Adobe Photoshop and basic layout and design skills.

**Course ID:** 5900; JRNLMS; 03230100

**Campus Offered:** BP BW

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### ADVANCED JOURNALISM: YEARBOOK I

**Credit:** 1

**Prerequisites:** Journalism or Photojournalism. Application with teacher approval.

Students will study basics of yearbook publication, including advertising, writing, graphics, page layout and design, production of ad pages and photography. Business (budgeting, ad sales, records, billing) is emphasized. Lab work will require outside-of-class work to complete projects.

**Course ID:** 5910; YBK1; 03230110

**Campus Offered:** BP BW

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### ADVANCED JOURNALISM: YEARBOOK II

**Credit:** 1

**Prerequisites:** Yearbook I Advanced. Application with teacher approval.

Students will develop skills in page layout and design, polish writing skills, acquire computer expertise, exercise creative and photographic abilities while adding to communications skills in the production of a published work (the school yearbook). Lab work will include advertising and circulation, photography and information gathering/interviewing.

**Course ID:** 5920; YBK2; 03230120

**Campus Offered:** BP BW

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### ADVANCED JOURNALISM: YEARBOOK III

**Credit:** 1

**Prerequisites:** Yearbook II Advanced. Application with teacher approval.

Student will demonstrate abilities in photography and visual communications skills beyond those required in previous courses. Lab work for this course (for the school yearbook) will require outside-of-class work in interviewing, writing, page design and production, picture planning and taking, advertising and circulation, and supervisory activities.

**Course ID:** 5930; YBK3; 03230130

**Campus Offered:** BP BW

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### ADVANCED JOURNALISM: NEWSPAPER I

**Credit:** 1

**Prerequisites:** Journalism I. Application with teacher approval.

Development of writing and reporting skills beyond the introductory level and cooperation with others to develop a product, the school newspaper, are key goals of this course. Study of and working with actual budgets, deadlines, advertising campaigns, circulation, publication and page design, page paste-up, editing and proofreading are other major activities. Lab work in this course (for the school newspaper) will require outside-of-class work in interviewing, writing, page design and paste-up, and advertising activities.

**Course ID:** 5940; NP1; 03230140

**Campus Offered:** BP BW

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# Journalism, Newspaper, Yearbook

## ADVANCED JOURNALISM: NEWSPAPER II

**Credit:** 1

**Prerequisites:** Newspaper I Advanced. Application with teacher approval.

Cooperation to produce a product (the school newspaper) and further development of writing and reporting skills are emphasized in this course, but students are exposed to increasingly complex assignments and greater responsibility in production. Lab work in this course (for the school newspaper) will require outside-of-class work in interviewing, writing, editing, design and paste-up, advertising, and supervisory activities.

**Course ID:** 5950; NP2; 03230150

**Campus Offered:** BP BW

## ADVANCED JOURNALISM: NEWSPAPER III

**Credit:** 1

**Prerequisites:** Newspaper II Advanced. Application with teacher approval.

Students will have opportunities to demonstrate abilities in reporting, writing and production skill beyond those required in previous courses. Lab work for this course will require outside-of-class work in interviewing, writing, editing, design and paste-up, advertising, and supervisory activities.

**Course ID:** 5960; NP3; 03230160

**Campus Offered:** BP BW

## PHOTOJOURNALISM

**Credit:** .5 -1

**Prerequisites:** None.

Producing photographs for publishing or display quality is the goal of this introductory course. Students will learn to take photographs by practicing composition principles, lighting techniques, and exposure control. An emphasis on photo critiquing will help students learn what makes a good photograph. Students will gain experience with digital cameras, various lenses, and will learn photo editing using available technology. This course is offered to students in grades 10 - 12 at Port and grades 9 - 12 at Bwood.

**Course ID:** 5970; PHOTJOUR; 03230800

**Campus Offered:** BP BW

## INDEPENDENT STUDY IN JOURNALISM I, II, III

**Credit:** 1 for each level

**Prerequisites:** 1 credit in Journalism or Photojournalism. Teacher approval.

Option 1: Students whose previous high achievement in producing a publication or who are filling a leadership position for a publication will apply and enhance their written and visual communication skills. This may entail editing other's copy for clarity and conventions, managing photography equipment and photography production, creating and managing the graphic design of a publication or managing the business and marketing aspect of a publication. They will plan and direct the work of other staff members in producing a publication. Independent research will include market studies of the client as well as researching current yearbook or newspaper trends. Option 2: Juniors and seniors who have demonstrated high achievement in journalism or video technology will work to produce the morning school news and other educational programming for the school and district. This will entail compiling and organizing information using available technology and databases and enhance broadcast journalism skills.

**Course ID:** 5975; IND JOUR; 03231000 -- 5976; INDJOUR2; 03231011 -- 5977; INDJOUR3; 03231022

**Campus Offered:** BP BW

# Speech

## ORAL INTERPRETATION I, II, III

**Credit:** 1

**Prerequisites:** None.

This course is designed to assist students in the advanced development of good voice and diction, confidence and poise, and discrimination of a good piece of literature for contest usage.

**Course ID:** 5750; ORALINT1; 03240200 -- 5760; ORALINT2; 03240300 -- 5770; ORALINT3; 03240400

**Campus Offered:** BP BW

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# Speech

## PROFESSIONAL COMMUNICATIONS

**Credit:** .5

**Prerequisites:** None.

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

**Course ID:** 5705; PROFCOMM: 13009900

**Campus Offered:** BP BW

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## DEBATE I, II, III

**Credit:** 1 for each level

**Prerequisites:** Professional Communications.

This course is designed to instruct students in analyzing a problem, conducting thorough and adequate research, and utilizing the best principles of argumentation and evidence, to present the most effective case for or against a given proposition. Creative self-expression and reflection should be outgrowths of this course. Upon completion of this course, students should be accomplished speakers, readers, and debaters and should have confidence in their ability to face any type of audience on any given speaking situation.

**Course ID:** 5710; DEBATE 1; 03240600 -- 5720; DEBATE 2; 03240700 -- 5730; DEBATE 3; 03240800

**Campus Offered:** BP BW

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# Mathematics

## ALGEBRA I

**Credit:** 1

**Prerequisites:** Grade 8 or 9.

In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

**Course ID:** 1020;ALG 1; 03100507

**Campus Offered:** BP BW

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## ALGEBRA I PRE-AP

**Credit:** 1

**Prerequisites:** Grade 8 or 9.

In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1027; ALG 1; 03100500

**Campus Offered:** BP BW

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## ALGEBRA I BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS based Algebra I instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 102A;ALG 1; 03100500

**Campus Offered:** BP BW

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# Mathematics

## ALGEBRA I PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS Based Algebra I instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 102M; ALG 1; 03100500

**Campus Offered:** BP BW

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## GEOMETRY

**Credit:** 1

**Prerequisites:** Algebra I (regular or Pre-AP).

In Geometry, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students will connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand. In the logical arguments and constructions strand, students are expected to create formal constructions using a straight edge and compass. Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. In proof and congruence, students will use deductive reasoning to justify, prove and apply theorems about geometric figures.

**Course ID:** 1310; GEOM; 03100700

**Campus Offered:** BP BW

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## GEOMETRY PRE-AP

**Credit:** 1

**Prerequisites:** Algebra I (regular or Pre-AP)

In Geometry, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students will connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand. In the logical arguments and constructions strand, students are expected to create formal constructions using a straight edge and compass. Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. In proof and congruence, students will use deductive reasoning to justify, prove and apply theorems about geometric figures. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1317; GEOM; 03100700

**Campus Offered:** BP BW

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## GEOMETRY BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS Based Geometry instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 131A; GEOM; 03100700

**Campus Offered:** BP BW

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## GEOMETRY PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS Based Geometry instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 131M;GEOM; 03100700

**Campus Offered:** BP BW

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# Mathematics

## ALGEBRA II

**Credit:** 1

**Prerequisites:** Algebra I. Recommended after Geometry (regular or Pre-AP).

In Algebra II, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

**Course ID:** 1120; ALG 2; 03100600

**Campus Offered:** BP BW

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## ALGEBRA II PRE-AP

**Credit:** 1

**Prerequisites:** Algebra I (regular or Pre-AP). Recommended after Geometry.

In Algebra II, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. This course is an accelerated course that requires to think at a higher level. SAT and ACT assessment objectives will be reviewed. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1127; ALG 2; 03100600

**Campus Offered:** BP BW

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## ALGEBRA II BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS based Algebra II instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning of requirements of students.

**Course ID:** 112A; ALG 2; 03100600

**Campus Offered:** BP BW

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## ALGEBRA II PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS Based Algebra II instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 112M; ALG 2; 03100600

**Campus Offered:** BP BW

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## PRE CALCULUS

**Credit:** 1

**Prerequisites:** Algebra I, Geometry, and Algebra II.

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

**Course ID:** 1610; PRE CALC; 03101100

**Campus Offered:** BW BP

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# Mathematics

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## PRE CALCULUS PRE-AP

**Credit:** 1

**Prerequisites:** Algebra I, Geometry, and Algebra II.

Precalculus Pre-AP is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems. Graphing calculators (TI-83, TI-84 or comparable models) are recommended and used throughout the year. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1617; PRE CALC; 03101100

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**Campus Offered:** BP BW

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## CALCULUS AB ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** Pre Calculus (regular or Pre-AP).

Students enrolled in this course are expected to take the College Board AP examination. This course follows a national curriculum established by the College Board. The first semester includes limits, continuity, and derivatives with applications. The second semester includes the study of infinite series and integration with applications. Individual colleges and universities determine credit on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1608; APCALCAB; A3100101

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**Campus Offered:** BP BW

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## CALCULUS BC ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** Pre Calculus (regular or Pre-AP).

This course may be taken in addition to Calculus AB or instead of Calculus AB. It gives an accelerated treatment of topics of Calculus AB with the addition of the following topics: parametric, vector and polar functions, sequences and series, power series, Taylor and McLaurin Series. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1618; APCALCBC; A3100102

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**Campus Offered:** BP BW

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## STATISTICS ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** Recommended Algebra II and Geometry

Students enrolled in this course are expected to take the College Board AP examination. Students will be introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will observe patterns in data and departures from patterns. Students will plan studies, deciding what and how to measure. Probability will be studied and models produced using probability theory and simulation. These models will be confirmed with statistical inference. Individual colleges and universities determine credit on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1508; APSTATS; A3100200

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**Campus Offered:** BW BP

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## ENGINEERING MATHEMATICS

**Credit:** 1

**Prerequisites:** Algebra II. Recommended Grades 11-12.

Engineering Mathematics is a course where students solve and model design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. Engineering Mathematics can be used as third or fourth year advanced math credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 1420; ENGMATH; 13036700

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**Campus Offered:** BP BW

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# Mathematics

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## MATH COLLEGE PREP

**Credit:** 1

**Prerequisites:** Algebra I, Geometry, and one Advanced Math. Grade 12

Topics include real numbers, basic geometry, polynomials, factoring, linear equations, inequalities, quadratic equations, rational expressions, factoring techniques, radicals, algebraic fractions, complex numbers, graphing linear equations and inequalities, quadratic equations, systems of equations, graphing quadratic equations and an introduction to functions. Emphasis is placed on algebraic techniques, in order to successfully complete an entry-level college mathematics course. Calculator use is allowed in this course when indicated, including the departmental semester examination. In particular, this course is intended to prepare students for the study of entry-level college mathematics. This course may count as a fourth year math credit under the Foundation Graduation Plan (HB5).

**Course ID:** 1524; CPMAT; CP111200

**Campus Offered:** BP BW

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## MATHEMATICAL MODELS WITH APPLICATIONS

**Credit:** 1

**Prerequisites:** Algebra I.

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. This mathematics course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems. This course may count as a 3rd year math credit under the Foundation Graduation Plan (HB5).

**Course ID:** 1710; MTHMOD; 03102400

**Campus Offered:** BP BW

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## INDEPENDENT STUDY IN MATHEMATICS II: TRIGONOMETRY

**Credit:** .5

**Prerequisites:** Algebra I (regular or Pre-AP), Geometry (regular or Pre-AP), and Algebra II (regular or Pre-AP) (or College Algebra at BC).  
Grades 11-12

This course is a study of trigonometric functions. It includes definitions of trigonometric functions as functions of angles and of real numbers, identities, solutions to equations, graphing, inverse functions, and applications of trigonometry to solving triangles. Completion of this course at Brazosport College will earn .5 a high school math credit for Independent Study in Mathematics. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1414; TRIG; INSTMTH2; 03102501

**Campus Offered:** BC

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## INDEPENDENT STUDY IN MATHEMATICS I : STATISTICS

**Credit:** .5

**Prerequisites:** College Algebra. Grades 11-12.

This course includes a study of measures of central tendency and dispersion; probability; the binomial, the normal, the Poisson, Student's t, and chi-square distributions; hypothesis testing; non-parametric tests; regression and correlation. Completion of this course at Brazosport College will earn 1/2 a high school math credit for Independent Study in Mathematics. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1504; INSTUMTH; 03102500

**Campus Offered:** BC

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## INDEPENDENT STUDY IN MATHEMATICS I: COLLEGE ALGEBRA

**Credit:** .5

**Prerequisites:** Completion of Algebra II. Grades 11-12.

This course covers complex numbers, solution of equations and inequalities, graphing techniques, functions (including polynomial, rational, exponential, and logarithmic), systems of equations, theory of equations, and applications of algebra. This course must be taken at Brazosport College for dual credit (MATH 1314). Completion of this course at Brazosport College will earn 1/2 a high school math credit for Independent Study in Mathematics. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1944; INSTUMTH; 03102500

**Campus Offered:** BC

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## Mathematics

### INDEPENDENT STUDY IN MATHEMATICS I: TOPICS IN MATHEMATICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

Students will extend their mathematical understanding beyond the Algebra II level in the area of functions including linear, quadratic, polynomial, rational, exponential, logarithmic, and trigonometric functions. Students will participate in activities to improve their performance on college entrance exams. Preparation for state and college entrance assessments will be provided. This course will not count for the Distinguished Achievement Program.

**Course ID:** 1991; INSTUMTH; 03102500

**Campus Offered:** BP BW

### INDEPENDENT STUDY IN MATHEMATICS II: PRECALCULUS

**Credit:** .5

**Prerequisites:** Grades 11-12.

This dual credit course covers application of algebra and trigonometry to the study of elementary functions and their graphs, including polynomial, rational, exponential, logarithmic and trigonometric functions. Lines, circles and other conic sections; vectors, polar coordinates, and parametric equations.

**Course ID:** 1992; INSTMTH2; 03102501

**Campus Offered:** BC

### INDEPENDENT STUDY IN MATHEMATICS III : CALCULUS

**Credit:** .5

**Prerequisites:** Pre-Calculus (regular or Pre-AP) or Math 2412 from BC. Grades 11-12.

Limits, continuity, differential calculus of algebraic functions and of trigonometric functions, Mean Value Theorem, applications of differentiation, anti-differentiation, the definite integral, the Fundamental Theorem of Calculus, applications of integration. Graphing calculator required. Completion of this course at Brazosport College will earn 1/2 a high school math credit for Independent Study in Mathematics. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 1604; INSTMTH3; 03102502

**Campus Offered:** BC

### STRATEGIC LEARNING FOR HIGH SCHOOL MATHEMATICS- INTERVENTIONS

**Credit:** .5

**Prerequisites:** Grades 9 - 10. Placement by committee only.

This course is intended to create strategic mathematical learners from underprepared mathematics students. Students will be stimulated to think about their approach to mathematics and identify their learning errors. The course may be repeated one time.

**Course ID:** 1820; STLNHSM; N1110030

**Campus Offered:** BW BP

## Mathematics/ CTE (Health Science)

### MATHEMATICS FOR MEDICAL PROFESSIONS

**Credit:** 1

**Prerequisites:** Geometry and Algebra II. Grades 11-12.

Mathematics for Medical Professional is an instructional program that prepares students with skills to compute mathematical equations related to healthcare. The course integrates medical-physiological concepts and mathematics. Students will engage in math activities including problem-solving, reasoning and proof, communication, connections and representations.

**Course ID:** 8203; BTHMED; N1302097

**Campus Offered:** BP BW

## Mathematics/ CTE (STEM)

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## Mathematics/ CTE (STEM)

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### ENGINEERING MATHEMATICS

**Credit:** 1

**Prerequisites:** Algebra II. Recommended Grades 11-12.

Engineering Mathematics is a course where students solve and model design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

Engineering Mathematics can be used as third or fourth year advanced math credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 1420; ENGMATH; 13036700

**Campus Offered:** BP BW

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## Science

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### AQUATIC SCIENCE

**Credit:** 1

**Prerequisites:** Biology(regular or Pre-AP). IPC or Chemistry(regular or Pre-AP).

Students conduct field and laboratory investigations while studying a variety of aquatic science topics that include: components of an aquatic ecosystem, differentiating among freshwater, brackish, and saltwater ecosystems, relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adaptations of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed.

**Course ID:** 2920; AQUA SCI; 03030000

**Campus Offered:** BW BP

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### ASTRONOMY

**Credit:** 1

**Prerequisites:** Grades 11-12.

Did Mars ever have running water? What is Pluto? Will asteroids hit the Earth? What is inside the Sun? How has our understanding of the universe changed through time? What makes a star shine? How do black holes form? An introduction to astronomy taught at the Brazosport Planetarium on College Blvd. in Clute. Bus transportation is provided.

**Course ID:** 2980; ASTRMY; 03060100

**Campus Offered:** BW BP

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### ASTRONOMY PRE-AP

**Credit:** 1

**Prerequisites:** Recommended plan: Biology(regular or Pre-AP) and Chemistry(regular or Pre-AP) or Physics. Grades 11-12.  
Foundation plan: Biology (regular or Pre-AP) and IPC, Chemistry (regular or PreAP) or Physics.

Taught concurrently with Astronomy Advanced and is a deeper study of the structure and motion of the universe. The class includes independent research projects, telescope observations and college level tests. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. Taught at the Brazosport Planetarium on College Blvd. in Clute. Bus transportation is provided.

**Course ID:** 2986; ASTRMY; 03060100

**Campus Offered:** BP BW

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### BIOLOGY

**Credit:** 1

**Prerequisites:** None

This course provides students with an understanding of the relationships of different forms of life as they function in their environment. The course includes a study of the nature of science and scientific investigations, molecular and cellular biology and patterns of heredity. A survey of organisms from the unicellular to the multi-cellular level and their interactions within ecosystems is also included.

**Course ID:** 2010 (2019 for BW-9); BIO; 03010200

**Campus Offered:** BP BW

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# Science

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## BIOLOGY ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** Recommended plan: Biology(regular or Pre-AP), Chemistry(regular or Pre-AP) or Physics.  
Foundation plan: Biology (regular or Pre-AP), and IPC, Chemistry (regular or PreAP) or Physics.

Students enrolled in this course are expected to take the College Board AP examination. Advanced biological experimentation will be included as a major part of the course. College level textbook will be used. Additional time/class period is required for a lab component with this course. Individual colleges and universities determine advanced standing based on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 2018; AP-BIO; A3010200

**Campus Offered:** BP BW

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## BIOLOGY BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS Based Biology instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 201A; BIO; 03010200

**Campus Offered:** BP BW

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## BIOLOGY BRAZOSPORT COLLEGE DUAL CREDIT

**Credit:** 1

**Prerequisites:** Biology(regular or Pre-AP) and Chemistry(regular or Pre-AP).

This course is designed to challenge the serious student of biology. Efforts will be made to go beyond the basic biological concepts to enrich the course and to enhance student interest. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 2014; SCIRD: Bio; 13037200

**Campus Offered:** BC

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## BIOLOGY PRE-AP

**Credit:** 1

**Prerequisites:** None

This course is designed to challenge the serious student of biology. Efforts will be made to go beyond the basic biological concepts to enrich the course and to enhance student interest. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 2017; BIO; 03010200

**Campus Offered:** BP BW

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## BIOLOGY PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS Based Biology instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 201M; BIO; 03010200

**Campus Offered:** BP BW

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## CHEMISTRY

**Credit:** 1

**Prerequisites:** Biology(regular or Pre-AP) and enrollment in second year of math.

The structure and composition of matter and the changes it undergoes are studied. Laboratory experiments emphasize basic techniques such as making observations, taking measurements, recording data, and making calculations from the data. Laboratory experiments and teacher demonstrations are an integral part of this math-intensive problem solving course.

**Course ID:** 2310; CHEM; 03040000

**Campus Offered:** BP BW

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# Science

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## CHEMISTRY ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** Biology(regular or Pre-AP) and Chemistry(regular or Pre-AP)

This course uses an advanced placement chemistry curriculum and college textbooks. Laboratory experiments and observations will be an integral part of the curriculum. Additional time/class period is required for a lab component with this course. Students in this course are expected to take the College Board AP examination. Individual colleges and universities determine credits earned on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 2318; AP-CHEM; A3040000

**Campus Offered:** BW

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## CHEMISTRY BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS Based Chemistry instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 231A; CHEM; 03040000

**Campus Offered:** BP BW

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## CHEMISTRY BRAZOSPORT COLLEGE DUAL CREDIT

**Credit:** 1

**Prerequisites:** Biology(regular or Pre-AP) and Chemistry(regular or Pre-AP)

This course focuses on atomic and electronic structure, stoichiometry, gas laws, bonding and molecular structure, solution chemistry, acid-base theory, and qualitative analysis. A rigorous laboratory program complements this math intensive, problem solving, and lecture/demonstration course. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 2314; SCIRD: 13037200

**Campus Offered:** BC

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## CHEMISTRY PRE-AP

**Credit:** 1

**Prerequisites:** Biology(regular or Pre-AP) and Algebra I.

This course focuses on atomic and electronic structure, stoichiometry, gas laws, bonding and molecular structure, solution chemistry, acid-base theory, and qualitative analysis. A rigorous laboratory program complements this math intensive, problem solving, and lecture/demonstration course. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 2317; CHEM; 03040000

**Campus Offered:** BP BW

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## ENGINEERING DESIGN & PROBLEM SOLVING - ROBOTICS

**Credit:** 1

**Prerequisites:** Algebra II and Physics. Grades 11-12.

Students will design and build many projects using a variety of computer hardware and software applications. Projects include basic bridge design, projective launchers and lots of robots. This course is recommended for students in Grade 11 or 12 with a strong desire for building computers, robotics and engineering. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. This course can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 2941; ENGDPRS; 13037300

**Campus Offered:** BP BW

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# Science

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## ENVIRONMENTAL SCIENCE ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** Recommended plan: Biology(regular or Pre-AP). Chemistry(regular or Pre-AP) or Physics. Foundation plan: Biology (regular or Pre-AP) and IPC, Chemistry (regular or Pre-AP), or Physics.

The goal of this course is to provide students with the understanding of the natural world interrelationships, identifying environmental problems evaluating the risks associated with these problems, and examine alternative solutions. Additional time/class period is required for a lab component with this course. Students are expected to take the College Board AP examination. Individual colleges and universities determine credit on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 2868; AP-ENVIR; A3020000

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**Campus Offered:** BW

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## ENVIRONMENTAL SYSTEMS

**Credit:** 1

**Prerequisites:** Recommended for Grades 11-12.

Students study a variety of topics that include: abiotic and biotic factors in habitats; ecosystems and biomes, interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments. Students conduct field and laboratory investigations using scientific methods and present a project to offer solutions to environmental issues.

**Course ID:** 2870; ENVIRSYS; 03020000

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**Campus Offered:** BW

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## FOOD SCIENCE

**Credit:** 1

**Prerequisites:** Principles of Hospitality & Tourism. Grades 10-12.

In Food Science, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Food Science can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5). Course Fee: \$20. Organization: Skills USA.

**Course ID:** 8224; FOODSCI; 13023000

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**Campus Offered:** BP BW

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## FORENSIC SCIENCE

**Credit:** 1

**Prerequisites:** Biology(regular or Pre-AP). IPC or Chemistry(regular or Pre-AP). Grades 11-12.

Forensic Science is a course that applies the technological practices of justice, with biological, chemical and physical science principles, to the study of criminal and civil issues. Major themes of study are pathology, anthropology, odontology, ballistics, trace evidence, biological fluids, DNA, and fingerprint evidence. Students will have the opportunity to collect and analyze such evidence through case studies and mock crime scenes. Lab activities will be based on crime scene scenarios. Students will also learn about the history and legal aspects of forensic science and career options available in the forensic field. Forensic Science can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 8290; FORENSCI; 130209500

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**Campus Offered:** BP BW

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## INTEGRATED PHYSICS AND CHEMISTRY (IPC) BASICS

**Credit:** 1

**Prerequisites:** None.

TEKS based Integrated Physics and Chemistry instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 272A; IPC; 03060200

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**Campus Offered:** BP BW

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# Science

## INTEGRATED PHYSICS AND CHEMISTRY PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

TEKS based Integrated Physics and Chemistry instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 272M; IPC; 03060200

**Campus Offered:** BP BW

## PHYSICS

**Credit:** 1

**Prerequisites:** Recommended plan: Biology(regular or Pre-AP) and Chemistry(regular or Pre-AP).  
Foundation plan: Biology(regular or Pre-AP).

Students conduct field and laboratory investigations, use scientific/technology methods during investigations and scientific problem solving to study a variety of topics including: laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics, characteristics and behavior of waves; optics; electronics and quantum physics.

**Course ID:** 2510; PHYSICS; 03050000

**Campus Offered:** BP BW

## PHYSICS BRAZOSPORT COLLEGE DUAL CREDIT

**Credit:** 1

**Prerequisites:** Biology (regular or Pre-AP), Chemistry (regular or Pre-AP) and (BC Math 1314)

This course is an algebra-based introductory physics course. Topics include the fundamental principles of kinematics and dynamics (motion, forces, energy, momentum) for linear and rotational motion, thermodynamics, properties of materials, wave motion, principles of electricity, magnetism light, and modern (atomic) physics. The course has complimentary labs and presents a more advanced curriculum. A weighted grade will be applied to the semester average.

**Course ID:** 2514; SCIRD; A30500002

**Campus Offered:** BC

## PHYSICS C ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** Completion of Physics 1 Advanced Placement and successful completion or concurrent enrollment in Calculus

This course follows the College Board curriculum. This course provides the foundation for careers in physical science or engineering and uses Calculus. Additional time/class period is required for a lab component with this course. Students are expected to take the College Board AP examination. Individual colleges and universities determine credit based on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 2518; AP-PHYSC; A3050002

**Campus Offered:** BW

## PHYSICS I ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** (No prior Physics is necessary) Recommended plan: Biology (reg. or Pre-AP), Chemistry (reg or Pre-AP) and Geometry and/or concurrent enrollment in Algebra II. Foundation Plan: Bio. (reg or Pre-AP) and Geometry and/or concurrent enrollment in Alg. II

This full year course is equivalent to a first semester college course in algebra based physics. This course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Additional time/class period is required for a lab component. Students are expected to take the College Board AP Examination for AP Physics 1. Individual colleges and universities determine credit on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. Note: AP Physics 2 a full year course will be offered in 2015-2016 and will serve as the equivalent to the second semester college course in algebra based physics. AP Physics C can be taken upon completion of AP Physics 1 and concurrent with or upon completion of AP Calculus.

**Course ID:** 2528; AP-PHYS1; A3050001

**Campus Offered:** BP BW

## Science

### PHYSICS II ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** Biology and Physics 1 Advanced Placement and must have completed or be currently enrolled in Pre-Calculus.

This course is an Algebra-based introductory college-level physics course that explores topics such as fluid statistics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

**Course ID:** 2529; APPHYS2; A3050004

**Campus Offered:** BP BW

### SCIENTIFIC RESEARCH & DESIGN - SYSTEMS GO! (ROCKETS 1)

**Credit:** 1

**Prerequisites:** Biology and Chemistry. Grades 11-12.

Students experience how modern engineers design and build new technologies using math and science, together with ingenuity by designing and building rockets. They are exposed to new and relevant applications of mathematics, science and computer design technology important to aerospace and mechanical engineering problems. Second semester is dedication to using a Design and Development process, in a working environment meant to simulate an industrial setting, to create a rocket to take a 1 pound payload to an altitude of 1 mile and safely recover the vehicle. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. This course can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 2950; SCIRD; 13037211

**Campus Offered:** BP BW

### SCIENTIFIC RESEARCH AND DESIGN - SYSTEMS GO 2! (ROCKETS 2)

**Credit:** 1

**Prerequisites:** Scientific Research & Design - Systems Go! (Rockets 1). Grade 12.

This course is a continuation of Scientific Research & Design-Systems Go I (Rockets I) ! Second-year students work on rockets capable of transonic flight, some exceeding Mach 2. The year-end launches take place at joint launch sites, with all participating schools in attendance. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. This course can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 2951; SCIRD2; 13037210

**Campus Offered:** BW BP

## Science/ CTE (Health Science)

### ANATOMY & PHYSIOLOGY

**Credit:** 1

**Prerequisites:** Biology (regular or Pre-AP), IPC or Chemistry (regular or Pre-AP)

This course introduces a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students conduct laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. Part of the Health Science CTE Pathway. Anatomy & Physiology can be used as a third or fourth year advanced science course under the Foundation Graduation Plan (HB 5). Organization: Health Occupations Students Association.

**Course ID:** 2966 (2964 for BC); ANATPHYS; 13020600

**Campus Offered:** BP BW BC

## Science/ CTE (Hospitality & Tourism)

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## Science/ CTE (Hospitality & Tourism)

### FOOD SCIENCE

**Credit:** 1

**Prerequisites:** Principles of Hospitality & Tourism. Grades 10-12.

In Food Science, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Food Science can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5). Course Fee: \$20. Organization: Skills USA.

**Course ID:** 8224; FOODSCI; 13023000

**Campus Offered:** BP BW

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## Science/ CTE (Law, Public Safety, Corrections & Security)

### FORENSIC SCIENCE

**Credit:** 1

**Prerequisites:** Biology (regular or Pre-AP). IPC or Chemistry (regular or Pre-AP). Grades 11-12.

Forensic Science is a course that applies the technological practices of justice, with biological, chemical and physical science principles, to the study of criminal and civil issues. Major themes of study are pathology, anthropology, odontology, ballistics, trace evidence, biological fluids, DNA, and fingerprint evidence. Students will have the opportunity to collect and analyze such evidence through case studies and mock crime scenes. Lab activities will be based on crime scene scenarios. Students will also learn about the history and legal aspects of forensic science and career options available in the forensic field. Forensic Science can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 8290; FORENSCI; 13029500

**Campus Offered:** BP BW

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## Science/ CTE (STEM)

### ENGINEERING DESIGN & PROBLEM SOLVING - ROBOTICS

**Credit:** 1

**Prerequisites:** Algebra II and Physics. Grades 11-12.

Students will design and build many projects using a variety of computer hardware and software applications. Projects include basic bridge design, projective launchers and lots of robots. This course is recommended for students in Grade 11 or 12 with a strong desire for building computers, robotics and engineering. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. This course can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 2941; ENGDPRS; 13037300

**Campus Offered:** BP BW

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### SCIENTIFIC RESEARCH & DESIGN - SYSTEMS GO! (ROCKETS 1)

**Credit:** 1

**Prerequisites:** Biology and Chemistry. Grades 11-12.

Students experience how modern engineers design and build new technologies using math and science, together with ingenuity by designing and building rockets. They are exposed to new and relevant applications of mathematics, science and computer design technology important to aerospace and mechanical engineering problems. Second semester is dedication to using a Design and Development process, in a working environment meant to simulate an industrial setting, to create a rocket to take a 1 pound payload to an altitude of 1 mile and safely recover the vehicle. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. This course can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 2950; SCIRD; 13037211

**Campus Offered:** BP BW

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## Science/ CTE (STEM)

### SCIENTIFIC RESEARCH AND DESIGN - SYSTEMS GO 2! (ROCKETS 2)

**Credit:** 1

**Prerequisites:** Scientific Research & Design - Systems Go! (Rockets 1). Grade 12.

This course is a continuation of Scientific Research & Design-Systems Go I (Rockets I) ! Second-year students work on rockets capable of transonic flight, some exceeding Mach 2. The year-end launches take place at joint launch sites, with all participating schools in attendance. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. This course can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 2951; SCIRD2; 13037210

**Campus Offered:** BW BP

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## Social Studies

### WORLD GEOGRAPHY STUDIES

**Credit:** 1

**Prerequisites:** None.

This course is designed to study the interaction of people and their physical environments in the major areas of the world. Content introduces the student to the five modern geographic themes and the unique vocabulary, tools, and methodologies of geographers. Students will study the physical, cultural, political, and economic activities of major world regions.

**Course ID:** 3120; W GEO; 03320100

**Campus Offered:** BP BW

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### WORLD GEOGRAPHY STUDIES PRE-AP

**Credit:** 1

**Prerequisites:** None.

This course is designed to study the interaction of people and their physical environments in the major areas of the world. Content introduces the student to the five modern geographic themes and the unique vocabulary, tools, and methodologies of geographers. Students will study the physical, cultural, political, and economic activities of major world regions. In addition, students are involved in comparative research with extensive reading using primary sources and technology. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3126; W GEO; 03320100

**Campus Offered:** BP BW

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### HUMAN GEOGRAPHY ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** None.

The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3810; APHUMGEO; A3360100

**Campus Offered:** BW

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### WORLD GEOGRAPHY STUDIES PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

This course will provide TEKS Based World Geography Studies instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 312M W GEO; 03320100

**Campus Offered:** BP BW

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### WORLD GEOGRAPHY STUDIES BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

This course will provide TEKS Based World Geography Studies instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 312A;W GEO; 03320100

**Campus Offered:** BP BW

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# Social Studies

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## UNITED STATES HISTORY SINCE RECONSTRUCTION

**Credit:** 1

**Prerequisites:** World Geography (regular or Pre-AP), AP Human Geography, or World History (regular, Pre-AP, or AP).

This course is a full year study of our nation's history, geography, and political and economic growth that will complete the study begun in grade 8. The content of this course covers significant people, issues, and events after the period of Reconstruction. It emphasizes present day issues that have their roots in the past.

**Course ID:** 3420; US HIST; 03340100

**Campus Offered:** BP BW

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## UNITED STATES HISTORY SINCE RECONSTRUCTION PRE-AP

**Credit:** 1

**Prerequisites:** World Geography (regular or Pre-AP), AP Human Geography, or World History (regular, Pre-AP, or AP).

This course is an in-depth study of U.S. history from the Reconstruction to present. In addition to the course description for U.S. History, the student is involved in comparative research with extensive reading using primary sources and technology. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3426 (3424 for BC); US HIST; 03340100

**Campus Offered:** BP BW BC

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## UNITED STATES HISTORY ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** World Geography (regular or Pre-AP), AP Human Geography, or World History (regular, Pre-AP, or AP).

Students enrolled in this two-semester course are expected to take the College Board AP examination. This college level course is a survey of American history from the age of exploration and discovery to the present. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. Individual colleges and universities determine advanced standing based on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3428; APUSHIST; A3340100

**Campus Offered:** BP BW

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## UNITED STATES HISTORY SINCE RECONSTRUCTION PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

This course will provide TEKS Based US History Since Reconstruction instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 342M;US HIST; 03340100

**Campus Offered:** BP BW

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## UNITED STATES HISTORY SINCE RECONSTRUCTION BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

This course will provide TEKS Based US History Since Reconstruction instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 342A;US HIST; 03340100

**Campus Offered:** BP BW

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## WORLD HISTORY STUDIES

**Credit:** 1

**Prerequisites:** Recommended plan: World Geography (regular or Pre-AP) or AP Human Geography.  
Foundation plan: None.

This course includes studies of the history and development of world cultures, past and present. The student will compare and analyze various ways of life and cultural patterns, contrast the diversity and commonality of human experiences and learn how these patterns occurred over time. The course will also focus on the relationship between geography, history, and contemporary world development.

**Course ID:** 3020; W HIST; 03340400

**Campus Offered:** BP BW

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# Social Studies

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## WORLD HISTORY STUDIES PRE-AP

**Credit:** 1

**Prerequisites:** Recommended plan: World Geography (regular or Pre-AP) or AP Human Geography.  
Foundation plan: None.

This course includes the in-depth comparison and study of the history and development of world cultures, past and present. In addition to the course description for World History, the World History Pre-AP student is involved in comparative research with extensive reading using primary sources and technology.

**Course ID:** 3026; W HIST; 03340400

**Campus Offered:** BP BW

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## WORLD HISTORY ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** Recommended plan: World Geography (regular or Pre-AP) or AP Human Geography.  
Foundation plan: None.

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3028; APWHIST; A3370100

**Campus Offered:** BP BW

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## WORLD HISTORY STUDIES PRINCIPLES

**Credit:** 1

**Prerequisites:** Placement by committee only.

This course will provide TEKS Based World History Studies instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 302M W HIST; 03340400

**Campus Offered:** BP BW

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## WORLD HISTORY STUDIES BASICS

**Credit:** 1

**Prerequisites:** Placement by committee only.

This course will provide TEKS Based World History Studies instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 302A W HIST; 03340400

**Campus Offered:** BP BW

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## SPECIAL TOPICS IN SOCIAL STUDIES: BIBLE HISTORY & LITERATURE I

**Credit:** .5

**Prerequisites:** Recommended for Grades 10-12.

This course introduces the Bible, especially the Old Testament, its origins, history, Middle Eastern geography and culture, with a focus on the Torah and Judaism and their impact on world history. (Fall semester)

**Course ID:** 3900; SPTSS; 03380002

**Campus Offered:** BW

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## SPECIAL TOPICS IN SOCIAL STUDIES: BIBLE HISTORY & LITERATURE II

**Credit:** .5

**Prerequisites:** Recommended for Grades 10-12.

This course introduces the New Testament and the politics, history, and culture of that time. Course content will focus on the life of Jesus of Nazareth, origins of Christianity, and its impact on western culture. (Spring semester). Bible History & Literature I is not a prerequisite for Bible History & Literature II.

**Course ID:** 3902; SPTSS2; 03380022

**Campus Offered:** BW

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# Social Studies

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## **ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM & ITS BENEFITS** **Credit: .5**

**Prerequisites:** U.S. History (regular, Pre-AP, or AP).

The focus of this course is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world while emphasizing the Free Enterprise System and its benefits. The concepts of personal financial literacy are also taught so that students may become self-supporting adults who can make informed decisions relating to personal financial matters.

**Course ID:** 3600; ECO-FE; 03310300

**Campus Offered:** BP BW

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## **ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM & ITS BENEFITS - PRE-AP** **Credit: .5**

**Prerequisites:** U.S. History (regular, Pre-AP, or AP).

This course differs from regular economics in that time is provided for more in-depth investigations of complex economic problems. This course is designed to provide students with analytical skills and factual knowledge necessary to deal critically with issues in economics. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3606; ECO-FE; 03310300 (3604 for BC)

**Campus Offered:** BP BW BC

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## **AP MACROECONOMICS** **Credit: .5**

**Prerequisites:** Recommended for Grades 11-12.

AP Macroeconomics is a college-level course that focuses on an economic system as a whole, placing particular emphasis on national income, price-level determination, performance measures, the financial sector, stabilization policies, economic growth and international economics.

**Course ID:** 3608; APMACECO; A3310200

**Campus Offered:** BW

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## **ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM & ITS BENEFITS PRINCIPLES** **Credit: .5**

**Prerequisites:** Placement by committee only.

This course provides TEKS-based Economics instruction that will include specifically designed instruction to meet the individual learning requirements of students.

**Course ID:** 3605; ECO; 03310300

**Campus Offered:** BP BW

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## **ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM & ITS BENEFITS BASICS** **Credit: .5**

**Prerequisites:** Placement by committee only.

This course provides TEKS-based Economics instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 3607; ECO-FE; 03310300

**Campus Offered:** BP BW

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## **UNITED STATES GOVERNMENT** **Credit: .5**

**Prerequisites:** U.S. History (regular, Pre-AP, or AP).

This semester course includes a study of the Texas and U.S. Constitutions. It provides students with an opportunity to explore political theories, leadership, decision making, political institutions, nature of laws, and the rights and responsibilities of American citizenship. Interpretation of current events is emphasized. Students are taught to process information using higher level thinking skills. Students will be encouraged to put their talents to work solving real world problems.

**Course ID:** 3500; GOVT; 03330100

**Campus Offered:** BP BW

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# Social Studies

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## UNITED STATES GOVERNMENT PRE-AP

**Credit:** .5

**Prerequisites:** U.S. History (regular, Pre-AP, or AP).

This course allows for in-depth analysis of the American governmental experience. This includes the basic principles of the Constitution, an examination of the Bill of Rights with application to real-life situations, and a study of the U.S. Congress and the Presidency. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3506 (3504 for BC); GOVT; 03330100

**Campus Offered:** BP BW BC

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## UNITED STATES GOVERNMENT AND POLITICS ADVANCED PLACEMENT

**Credit:** .5

**Prerequisites:** U.S. History (regular, Pre-AP, or AP).

Students enrolled in this semester course are expected to take the College Board AP examination. Government and Politics includes the Constitutional underpinnings of democracy, political beliefs and behaviors of individuals, political parties and interest groups, Congress, the presidency, bureaucracy, federal courts, policy process, and civil rights and civil liberties. Individual colleges and universities determine advanced standing based on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3508; APUSGOVT; A3330100

**Campus Offered:** BW

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## UNITED STATES GOVERNMENT PRINCIPLES

**Credit:** .5

**Prerequisites:** Placement by committee only.

This semester course includes a study of the Texas and U.S. Constitutions. It provides students with an opportunity to explore political theories, leadership, decision making, political institutions, nature of laws, and the rights and responsibilities of American citizenship. Interpretation of current events is emphasized.

**Course ID:** 3505; GOVT; 03330100

**Campus Offered:** BP BW

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## UNITED STATES GOVERNMENT BASICS

**Credit:** .5

**Prerequisites:** Placement by committee only.

This course provides TEKS-based Government instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 3507; GOVT; 03330100

**Campus Offered:** BP BW

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## PSYCHOLOGY

**Credit:** .5

**Prerequisites:** Recommended for Grades 11-12.

Students will study individuals, their mental growth and development, their motivations and emotions, and some psychological disorders. Class will include case studies and demonstrations. Many activities will be done in small cooperative groups.

**Course ID:** 3700; PSYCH; 03350100

**Campus Offered:** BW

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## PSYCHOLOGY PRE-AP

**Credit:** .5

**Prerequisites:** Recommended for Grades 11-12.

This course is designed for a greater depth and analysis of topics in mental growth and development, psychological methods, neurology, language and logic, personality theories and mental health. The course includes activities and labs that give hands-on experience in the study of psychology. Additional study includes occupations that a study of psychology can lead to. In-depth research of current topics in psychology is required. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3706; PSYCH; 03350100 (3704 for BC)

**Campus Offered:** BW BC

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## Social Studies

### PSYCHOLOGY ADVANCED PLACEMENT

**Credit:** .5

**Prerequisites:** Grades 11-12.

This course introduces students to the systematic and scientific study of human behavior and mental processes by exploring key psychologists, theories, concepts, and phenomena. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3708; APPSYCH; A3350100

**Campus Offered:** BW

### SOCIOLOGY

**Credit:** .5

**Prerequisites:** Recommended for Grades 11-12.

In this course students will have an opportunity to study individuals, groups, and their basic institutions. Students will learn how sociologists work and how their knowledge, methods, and theories are applied to study human actions and relationships.

**Course ID:** 3630; SOC; 03370100

**Campus Offered:** BW

### SOCIOLOGY PRE-AP

**Credit:** .5

**Prerequisites:** Recommended for Grades 11-12.

This course is designed for greater depth and analysis of topics in social stratification and mobility, cultural conflict and change, and the structure and functions of social institutions. Sociological research is required. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 3636; SOC; 03370100 (3634 for BC)

**Campus Offered:** BW BC

## Fine Arts—Art

### ART I

**Credit:** 1

**Prerequisites:** None.

Art I is a full year fundamentals course for any student who has not had art at the high school level. It covers basic theory with emphasis on the elements and principles of art. Art appreciation, criticism, and aesthetics are included, but the emphasis is on art production. Beginning drawing, painting, printmaking, collage, and sculpture techniques are introduced using a variety of media. Students are expected to provide some of their own supplies or a fee may be collected to purchase supplies. ARTS 1301.

**Course ID:** 5010; ART 1; 03500100

**Campus Offered:** BP BW

### DRAWING II, III, IV

**Credit:** 1 for each level

**Prerequisites:** Art I

Building on the foundation of Art I, students will create original works using a wide variety of media including pencil, charcoal, pastels, ink and brush. In addition to a performance evaluation, students will investigate historical periods and styles. Students are expected to provide some of their own supplies or a fee may be collected to purchase supplies.

**Course ID:** 5022; ART2DRAW; 03500500 - 5023; ART3DRAW; 03501300 - 5024; ART4DRAW; 03502300

**Campus Offered:** BP BW

### GRAPHIC DESIGN II, III, IV

**Credit:** 1 for each level

**Prerequisites:** Art I

Building on the foundation of Art I, students will plan and create their own artwork with various techniques and using electronic media. In addition to performance evaluations, students will investigate historical periods and styles. Students are expected to provide some of their own supplies or a fee may be collected to purchase supplies.

**Course ID:** 5052, ART2EM; 03503300-5053, ART3EM; 03503400-5054, ART4EM; 03503500

**Campus Offered:** BW

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## Fine Arts—Art

### PAINTING II, III, IV

**Credit:** 1 for each level

**Prerequisites:** Art I

Building on the foundation of Art I, students will plan and create their own paintings with various techniques and media. In addition to a performance evaluation, students will investigate historical periods and styles. Students are expected to provide some of their own supplies or a fee may be collected to purchase supplies.

**Course ID:** 5032; ART2PATG; 03500600 -- 5033; ART3PATG; 03501400 -- 5034; ART4PATG; 03502400

**Campus Offered:** BW

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### PRINCIPLES AND ELEMENTS OF FLORAL DESIGN

**Credit:** 1

**Prerequisites:** Principles of Agriculture, Food & Natural Resources

Principles and Elements of Floral Design prepares students with the skills and knowledge related to Horticulture, and the design principles and techniques in floral design. Students are given hands-on experiences using a variety of floral materials such as live plants and silk flowers. Students will identify and demonstrate the principles and techniques related to floral design to create arrangements, as well as learn planning techniques for floral enterprises and major events. Course may be used to fulfill the required fine art credit for graduation. Class Fee: \$50. Organization: FFA

**Course ID:** 8040; PEFLDSN; 13001800

**Campus Offered:** BP BW

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### SCULPTURE II, III, IV

**Credit:** 1 for each level

**Prerequisites:** Art I

Building on the foundation of Art I, students will plan and create their own sculptures with various techniques and media. In addition to a performance evaluation, students will investigate historical periods and styles. Students are expected to provide some of their own supplies or a fee may be collected to purchase supplies.

**Course ID:** 5042; ART2SCLP; 03501000 -- 5043; ART3SCLP; 03501900 -- 5044; ART4SCLP; 03502800

**Campus Offered:** BW

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### STUDIO ART ADVANCED PLACEMENT: 2D PORTFOLIO

**Credit:** 1

**Prerequisites:** Art I

This portfolio is intended to address a broad interpretation of two-dimensional (2D) design issues. This could include, but is not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, illustration, painting, printmaking, etc. This is a fast paced course for students with a strong interest in art. Students are enrolled upon nomination by a visual art specialist. They are required to submit a portfolio of 27 quality pieces of art to the College Board at the end of the year. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5088; AP2DDP; A3500400

**Campus Offered:** BP BW

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### STUDIO ART ADVANCED PLACEMENT: 3D PORTFOLIO

**Credit:** 1

**Prerequisites:** Art I

This portfolio is intended to address a broad interpretation of sculptural issues in depth and space. A variety of approaches might include traditional sculpture, ceramics, fiber or metal work among others. This is a fast paced course for self-motivated students with a strong interest in sculpture. Students are enrolled upon nomination by a visual art specialist. They are expected to submit a portfolio to the College Board at the end of the year. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5098; AP3DDP; A3500500

**Campus Offered:** BP BW

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## Fine Arts—Art

### STUDIO ART ADVANCED PLACEMENT: DRAWING PORTFOLIO

**Credit:** 1

**Prerequisites:** Art I

The Drawing Portfolio is designed to address a very broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that can be addressed through a variety of means. Many works of painting, printmaking, and mixed media, as well as abstract, observational, and inventive works may qualify. This is a fast paced course designed for the serious art student. Enrollment is based upon nomination by visual art specialist. Students are expected to submit a completed portfolio of 27 quality works to the College Board at the end of the year. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5078; APSTARTD; A3500300

**Campus Offered:** BP BW

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## Fine Arts—Dance

### DANCE I-IV

**Credit:** 1 for each level

**Prerequisites:** None.

These courses will help the student develop kinesthetic awareness while dancing. The student will apply body science and fitness principles to dance and demonstrate an understanding of cultural, historical, and artistic diversity. Students will gain knowledge of a variety of dance styles and technical skills while participating in dance activities which encourage growth of creative self expression.

**Course ID:** 5XXX; DANCE 1; 03830100 -- 5XXX; DANCE 2; 03830200 -- 5XXX; DANCE 3; 03830300 -- 5XXX; DANCE 4; 03830400

**Campus Offered:** BP BW

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### DRILL TEAM PREP (DANCE 1)

**Credit:** .5 - 1

**Prerequisites:** None.

This class is offered to those interested in trying out for the drill/dance team. It will offer an insight into drill team dance styles and techniques.

**Course ID:** 5009; DANCE1; 03830100

**Campus Offered:** BW

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## Fine Arts—Music

### BAND

**Credit:** 1

**Prerequisites:**

The high school band is a musical organization for students of wind and percussion instruments. Three bands are offered for students interested in instrumental music: Marching Band, Symphonic Band, and Concert Band. Emphasis is placed on development of cultural growth, critical listening, basic music theory, study of instrumental music techniques, creative self-expression, sight reading, mental and physical discipline, citizenship through group endeavors, physical conditioning and leadership skills. During football season (Fall) the various concert bands meet after school to make up the marching band, which performs at all varsity football games (home & away), U.I.L. Marching Contest and non-U.I.L. Marching Contests, and local parades. Band members are also required to attend Summer Band beginning in August. During concert season (spring), section rehearsals are scheduled after school one day a week to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Band placement is determined through auditions held at various times during the school year.

**Course ID:** 51XX; MUS1BAND; 03150100; 51XX; MUS2BAND; 03150200; 51XX; MUS3BAND; 03150300; 51XX; MUS4BAND; 03150400; 51XX; MUS1INEN; 03151700; 51XX; MUS2INEN; 03151800; 51XX; MUS3INEN; 03151900; 51XX; MUS14NEN; 03152000

**Campus Offered:** BP BW

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## Fine Arts—Music

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### CHOIR I-IV

**Credit:** 1 for each level

**Prerequisites:**

Students are placed according to their ability level in one of several choir classes. Public concerts, including a musical production and large master works, are prepared by these classes along with members of the band and orchestra. Selected students participate in competitive events sponsored by the University Interscholastic League and the Texas Music Educators Association.

**Course ID:** 5XXX; MUS1CHOR; 03150900 -- 5XXX; MUS2CHOR; 03151000 -- 5XXX; MUS3CHOR; 03151100 -- 5XXX; MUS4CHOR; 03151200

**Campus Offered:** BP BW

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### JAZZ BAND I-IV

**Credit:** 1 for each level

**Prerequisites:** Concurrent membership in Band or Orchestra is required (exceptions are permitted for piano, guitar, organ, bass and vocalists) and required audition.

Primarily, the jazz band provides an enrichment for band and orchestra students which is not possible in those classes because of instrumentation and their emphasis on marching and concert performances. The jazz band emphasizes "jazz" and "pop" performance styles in addition to guidance in improvisation.

**Course ID:** 5XXX; MUS1JZBN; 03151300 -- 5XXX; MUS2JZBN; 03151400 -- 5XXX; MUS3JZBN; 03151500 -- 5XXX; MUS4JZBN; 03151600

**Campus Offered:** BP BW

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### MUSIC HISTORY I

**Credit:** 1

**Prerequisites:** None.

Four basic strands--perception, creative expression/ performance, historical and cultural heritage, and critical evaluation--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. In music, students develop their intellect and refine their emotions, understanding the cultural and creative nature of musical artistry and making connections among music, the other arts, technology, and other aspects of social life. Through creative performance, students apply the expressive technical skills of music and critical-thinking skills to evaluate multiple forms of problem solving. By reflecting on musical periods and styles, students understand music's role in history and are able to participate successfully in a diverse society. Students analyze and evaluate music, developing criteria for making critical judgments and informed choices.

**Course ID:** 5294; MUS1HIST; 03152900

**Campus Offered:** BC

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### ORCHESTRA I-IV

**Credit:** 1 for each level

**Prerequisites:** Intermediate school orchestra (or equivalent training).

As a class, and for a limited number of public performances, the high school orchestra functions as a string orchestra. Wind and percussion players from the band are added in after-school rehearsals to form a full orchestra. In addition, students are provided opportunities to join with the band and choir in the preparation and performance of large master works. Selected students participate in competitive events.

**Course ID:** 5XXX; MUS1ORCH; 03150500 -- 5XXX; MUS2ORCH; 03150600 -- 5XXX; MUS3ORCH; 03150700 -- 5XXX; MUS4ORCH; 03150800

**Campus Offered:** BP BW

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## Fine Arts—Theater Arts

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### TECHNICAL THEATER I, II, III

**Credit:** 1 for each level

**Prerequisites:** None.

These courses offer students an overview of theater crafts. Focusing on the development of the student as technician and artist, the course addresses design and production of sets, costumes, lighting, sound, and makeup.

**Course ID:** 5891; TH1TECH; 03250500; 5892; TH2TECH; 03250600

**Campus Offered:** BP BW

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## Fine Arts—Theater Arts

### THEATER ARTS I

**Credit:** 1

**Prerequisites:** None.

These courses offer students a broad overview of the theater arts. Focusing on the development of the student as actor and artist, the course addresses mime, pantomime, improvisation, theater history, dramatic structure, playwriting, design and technical theater.

**Course ID:** 5810 (5814 for BC); TH1; 03250100

**Campus Offered:** BP BW BC

### THEATER ARTS II, III, IV

**Credit:** 1 for each level

**Prerequisites:** Theater Arts I.

These courses use applied projects to develop student skills in acting, directing, design, writing and production. Based on the makeup of the class, the instructor selects activities that develop student skills along self-identified paths. Choices include play production, study of dramatic literature, survey of plays from selected points of history, and study programs for individuals working on special projects.

**Course ID:** 5820; TH2; 03250200 -- 5830; TH3; 03250300 -- 5840; TH4; 03250400

**Campus Offered:** BP BW

### THEATER PRODUCTION I-IV

**Credit:** 1 for each level

**Prerequisites:**

These courses contract hour courses that do not meet within the regular school day. They consists of practical work on several major productions. A minimum of seventy hours of work after school hours is required per semester for credit. When the course is taken at BISD, work must be done on in-district productions only.

**Course ID:** 5850 (5854 for BC); TH1PROD; 03250700 -- 5860; TH2PROD; 03250800 -- 5870; TH3PROD; 03250900 -- 5880; TH4PROD; 03251200

**Campus Offered:** BP BW BC

## Health, Athletics, and Physical Education

### ATHLETICS (PHYSICAL EDUCATION EQUIVALENT) I-IV

**Credit:** 1

**Prerequisites:** Approval from the coach.

These activities are restricted to those students accepted into specific sports. Students interested in a particular sport should contact the coaching staff for enrollment information. Students receive the equivalent credit for being in a sport as they would receive for being in physical education. Athletic opportunities are offered in the following sports: baseball, basketball, cheerleading, cross country, diving, drill team, football, golf, pep squad, power lifting, soccer, softball, swimming, tennis, track & field, trainer, volleyball, water polo, and wrestling. Not all of these are available during an athletic period or for credit - some are before or after school, only. Not all of these sports are available at both high schools.

**Course ID:** 7XXX; SUBATH1; PES00001;7XXX; SUBATH2; PES000002: 7XXX; SUBATH3; PES000003; 7XXX; SUBATH4; PES000004

**Campus Offered:** BP BW

### HEALTH EDUCATION

**Credit:** .5

**Prerequisites:** None.

Students acquire health information and skills necessary to become healthy adults and learn behaviors in which they should and should not participate. Students will understand the following: parents are a primary source of guidance in the area of health; personal behaviors can increase or reduce health risks; and health is influenced by a variety of factors. Students will recognize and use health information and products and learn that personal/interpersonal skills are needed to promote health. Many skills are taught in this course such as refusal skills, first aid, CPR, suicide prevention, substance abuse, and personality development.

**Course ID:** 7900; HLTH ED; 03810100

**Campus Offered:** BP BW

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## Health, Athletics, and Physical Education

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### HEALTH EDUCATION BASICS

**Credit:** .5

**Prerequisites:** Placement by Committee only.

TEKS based Health Education instruction that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students.

**Course ID:** 7906: HLTHED; 03810100

**Campus Offered:** BP BW

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### PE TEAM SPORTS I, II, III

**Credit:** .5 for each level

**Prerequisites:** None

Students enrolled in Team Sports are expected to develop health-related fitness and an appreciation for team work and fair play. Team Sports is less concerned with the acquisition of physical fitness during the course than reinforcing the concept of incorporating physical activity into a life-style beyond high school. The first three levels of this course may be taken for state credit; subsequent offerings are for local elective credit.

**Course ID:** 7001; PEITS; PES00055; 7002; PEITS; PES00055

**Campus Offered:** BP BW

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## Languages Other Than English

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### AMERICAN SIGN LANGUAGE I, II, III, IV

**Credit:** 1 for each level

**Prerequisites:** None.

Students will understand and produce short-signed phrases and sentences, detect main ideas in material that is signed, be able to transcribe ASL into English gloss, recognize the importance of communication and how it relates to the American Deaf culture, and recognize the importance of acquiring accuracy of expression by knowing the components of ASL, including grammar. These courses will qualify as a foreign language that will meet graduation requirements for the Recommended High School Program.

**Course ID:** 5451; ASL 1; 03980100 -- 5452; ASL 2; 03980200 -- 5453; ASL 3; 03980300 -- 5454; ASL 4; 03980400

**Campus Offered:** BP BW

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### FRENCH I

**Credit:** 1

**Prerequisites:** None.

This course is an introduction to the study of the French language through conversation, grammar, reading, and writing. Students acquire insight into the lifestyles of France and other French-speaking people through comparative study of geography, culture, and social traditions.

**Course ID:** 5610; FREN 1; 03410100

**Campus Offered:** BP BW

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### FRENCH II

**Credit:** 1

**Prerequisites:** French I.

In this second year of French study, emphasis is spoken and written proficiency and practical application of the language. Cultural investigation explores the provinces of France and regional differences in language and daily life.

**Course ID:** 5620; FREN 2; 03410200

**Campus Offered:** BP BW

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### FRENCH III PRE-AP

**Credit:** 1

**Prerequisites:** French II.

At this level of language study, the focus is on communication in French with an emphasis on independent reading, independent writing and continued practice on oral proficiency. French history and its contribution to the New World is a special focus of the study of French culture. This course is considered preparation for the Advanced Placement Examination the following year. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5637; FREN 3; 03410300

**Campus Offered:** BP BW

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# Languages Other Than English

## FRENCH IV ADVANCED PLACEMENT (LANGUAGE)

**Credit:** 1

**Prerequisites:** French III Pre-AP.

Students enrolled in this course are expected to take the College Board AP examination at the end of the year. In the fourth year, students will be able to understand French spoken by a native speaker in a variety of conversations. Reading and writing become further integrated through expanded study of literature and modern culture. Students demonstrate language mastery by expression of personal opinions, persuasive speaking and writing, and production of brief literary interpretations and/or criticisms. Individual colleges and universities determine advanced standing based on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5648; APFR LAN; A3410100

**Campus Offered:** BP BW

## GERMAN I

**Credit:** 1

**Prerequisites:** None.

This course is an introduction to the study of the German language and life through conversation, grammar, reading and writing. Through the language study, students develop the cultural understanding needed to function appropriately within German society.

**Course ID:** 5660; GERMAN 1; 03420100

**Campus Offered:** BP BW

## GERMAN II

**Credit:** 1

**Prerequisites:** German I.

This course is a review of the phonetic system and the grammatical structure of German I. The German vocabulary of the students will increase while oral comprehension and fluency in reading and writing also improve.

**Course ID:** 5670; GERMAN 2; 03420200

**Campus Offered:** BP BW

## GERMAN III PRE-AP

**Credit:** 1

**Prerequisites:** German II.

This is an advanced course which is a continuation and review of the study of the grammatical and syntactical structure of the German language. Vocabulary, aural-oral comprehension and fluency of reading and writing are also increased. The study of German culture is continued. Students begin the study of German literature (short stories, essays, and poetry). Speaking is also stressed. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5687; GERMAN 3; 03420300

**Campus Offered:** BP BW

## GERMAN IV ADVANCED PLACEMENT (LANGUAGE)

**Credit:** 1

**Prerequisites:** German III.

Students enrolled in this course are expected to take the College Board AP examination at the end of the year. This course is a study of the grammatical and syntactical structure of the German language. German literature is studied in depth and the German culture is explored through videos, music and recordings. There is a continued emphasis on speaking German. Individual colleges and universities determine advanced standing based on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5698; APGR LAN; A3420100

**Campus Offered:** BP BW

## SPANISH I

**Credit:** 1

**Prerequisites:** None.

This course introduces the study of the Spanish language and culture through conversation, grammar, speaking, reading, and writing. Through the cultural sections in the text, as well as supplementary materials, students acquire some insight into and appreciation of many aspects of Hispanic life and culture.

**Course ID:** 5510; SPAN 1; 03440100

**Campus Offered:** BP BW



# Languages Other Than English

## SPANISH I (DUAL CREDIT)

**Credit:** 1

**Prerequisites:** None.

Students may earn dual credit by taking Beginning Spanish I at Brazosport College. This course is dedicated to the fundamentals of grammar and focuses on four skills in Spanish: comprehension, speaking, reading and writing. It emphasizes active communication aimed at the development of oral and comprehension skills and exposure to the diverse cultures of the Spanish-speaking world. This course is one semester and is for students who have not previously studied Spanish. A weighted grade will be applied to the semester average.

**Course ID:** 5514 for BC; SPAN 1; 03440100

**Campus Offered:** BC

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## SPANISH II

**Credit:** 1

**Prerequisites:** Spanish I.

This course strengthens conversation and communication skills. Students produce conversations and short narratives and learn to read silently with comprehension and without translation material. Stress is placed on the accurate writing of grammatical structures, syntax, and familiar lexical items used in the reading strand of the program. Through identification of the principle heroes, leaders, and traditions of the Hispanic world, students continue their study of Hispanic culture.

**Course ID:** 5520; SPAN 2; 03440200

**Campus Offered:** BP BW

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## SPANISH II (DUAL CREDIT)

**Credit:** 1

**Prerequisites:** Spanish I.

Students may earn dual credit by taking Beginning Spanish II at Brazosport College. This course is one semester and advances students' oral comprehension, speaking, reading and writing skills. A weighted grade will be applied to the semester average.

**Course ID:** 5524 for BC; SPAN 2; 03440200

**Campus Offered:** BC

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## SPANISH II FOR SPANISH SPEAKERS

**Credit:** 1

**Prerequisites:** Oral and written placement exam.

Students with excellent Spanish communication skills take this course and receive credit for Spanish II. The main objective of this course is to enrich the students' total language experience by building on the language proficiency they already possess. The focus is on increasing students' ability to use Spanish for both formal and informal situations and on developing their literacy skills. This course will provide "prior instruction" for students choosing to take CBE for Spanish I credit.

**Course ID:** 5521; SSPAN 2; 03440220

**Campus Offered:** BP

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## SPANISH III (DUAL CREDIT)

**Credit:** 1

**Prerequisites:** Spanish II.

Students may earn dual credit by taking Intermediate Spanish I at Brazosport College. This course is one semester and is designed to develop oral and written skills beyond the elementary level and to expand vocabulary and grammatical skills toward a more sophisticated level of communication. Students will read, analyze and discuss simple literary prose as well as cultural topics. A weighted grade will be applied to the semester average.

**Course ID:** 5534 for BC; SPAN 3; 03440300

**Campus Offered:** BC

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## SPANISH III PRE-AP

**Credit:** 1

**Prerequisites:** Spanish II.

This course continues to develop the Spanish language through vocabulary development, conversation, reading comprehension and composition. It broadens the students' understanding of Hispanic culture through a study of Hispanic literature and culture. It is designed to challenge the above average Spanish student. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5537; SPAN 3; 03440300

**Campus Offered:** BP BW

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## Languages Other Than English

### SPANISH IV (DUAL CREDIT)

**Credit:** 1

**Prerequisites:** Spanish III.

Students may earn dual credit by taking Intermediate Spanish II at Brazosport College. This course is a semester and is a continuation of Intermediate Spanish I with more sophisticated reading, writing, and classroom discussion. A weighted grade will be applied to the semester average.

**Course ID:** 5544 for BC; SPAN 4; 03440400

**Campus Offered:** BC

### SPANISH IV ADVANCED PLACEMENT (LANGUAGE)

**Credit:** 1

**Prerequisites:** Spanish III.

Students enrolled in this course are expected to take the College Board AP examination at the end of the year. Students will develop speaking proficiency with grammatical accuracy and adequate fluency acceptable to a native speaker. The study of Spanish literature is expanded. This course is for qualified students who wish to complete studies in high school comparable in difficulty and content to such college courses as Spanish Composition and Conversation. Individual colleges and universities determine advanced standing based on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5548; APSPALAN; A3440100

**Campus Offered:** BP BW

### SPANISH V ADVANCED PLACEMENT (LITERATURE)

**Credit:** 1

**Prerequisites:** Spanish IV.

Students enrolled in this course are expected to take the College Board AP examination at the end of the year. This course is comparable in difficulty and content to such college courses as Introduction to Hispanic Literature. This course is a study of selections (short stories, essays, and poems) from the literatures of Spain, Mexico, Central America, and South America. Individual colleges and universities determine advanced standing based on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5558; APSPA LIT; A3440200

**Campus Offered:** BP BW

## Technology Applications

### COMPUTER SCIENCE I

**Credit:** 1

**Prerequisites:** Algebra I

This foundation course for computer programming emphasizes programming methodology and problem solving using packaged software and graphics. Students learn to code animation and games in various computer languages. The Texas State Board of Education requires high schools to offer at least four technology applications. Computer Science I is one of the two required computer science courses.

**Course ID:** 6252; TAC81; 03580200

**Campus Offered:** BP BW

### AP COMPUTER SCIENCE A

**Credit:** 1

**Prerequisites:** Computer Science I or Algebra II or Algebra II concurrent

AP Computer Science A is equivalent to a first-semester, college level course. The course introduces students to computer science fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language.

**Course ID:** 6258; APTACSA; A3580100

**Campus Offered:** BP BW

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## Technology Applications

### DISCRETE MATHEMATICS FOR COMPUTER SCIENCE

**Credit:** 1

**Prerequisites:** Algebra II

Discrete Mathematics for Computer Science provides the tools used in most areas of computer science. Students will develop the ability to see computational problems from a mathematical perspective and will be introduced to discrete data structures such as sets, discrete functions and relations, and graphs and trees. The Texas State Board of Education requires high schools to offer at least four technology applications. Discrete Mathematics for Computer Science provides a logical sequence for those students seeking a STEM endorsement in Computer Science.

**Course ID:** 6255; TADISMA; 03580370

**Campus Offered:** BP BW

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### INDEPENDENT STUDY IN TECHNOLOGY APPLICATIONS I

**Credit:** 1 for each level

**Prerequisites:** 1 CTE Arts, or CTE, Information Technology credit; teacher approval. Grades 10-12.

Independent Study in Technology Applications is for students whose level of achievement in technology applications courses allows them to pursue work individually, extending their technology experiences. Students will identify a technology related question, issue, or topic which they will thoroughly investigate. Students will produce a quality in-depth technology project relating to their identified topic. The topic may relate to an academic or non-curricular subject matter with advisor approval.

**Course ID:** 6250 ; TAINDI; 03580900

**Campus Offered:** BP BW

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## Career Development (CTE)

### CAREER PREPARATION I

**Credit:** 2

**Prerequisites:** An interest form required. Grades 11 or 12.

Career Prep may be added to any cluster after completion of one or more courses in a program of study, given the student is enrolled within the first 10 days of the school year. Students must remain employed and work a minimum of 10 hours per week for the entire school year to earn credit for this course. Credit requires a full year enrollment. Transportation not provided. Requires a full year enrollment.

**Course ID:** 8003; CAREERP1; 12701300

**Campus Offered:** BP BW

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### CAREER PREPARATION II

**Credit:** 2

**Prerequisites:** An interest form required. Grade 12.

See description for Career Preparation I. Credit requires full year enrollment. Students will continue their on-the-job training at an approved training station site. Students will complete a digital portfolio and participate in project-based learning activities. Transportation not provided.

**Course ID:** 8001; CAREERP2; 12701400

**Campus Offered:** BP BW

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## CTE Agriculture, Food & Natural Resources

### PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES

**Credit:** 1

**Prerequisites:** None. Grades 9-10.

Are you interested in the technical world of agriculture? Want to develop your leadership potential? Principles of Agriculture, Food and Natural Resources is designed to enhance understanding of the agriculture industry. Students will develop skills related to plant and animal systems, food production, mechanical systems, entrepreneurship, leadership and environmental sciences. Organization: FFA.

**Course ID:** 8010; PRINAFNR; 13000200

**Campus Offered:** BP BW

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# CTE Agriculture, Food & Natural Resources

## SMALL ANIMAL MANAGEMENT

**Credit:** .5

**Prerequisites:** Principles of Agriculture, Food & Natural Resources. Grades 10-12.

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 careers. Students will develop knowledge and skills pertaining to animal ownership, industry hazards, current topics associated with animal rights/ welfare, management and career opportunities. Small animals which may be included in the course of study are dogs, cats, and other small mammals, amphibians, reptiles, and birds.  
Organization: FFA.

**Course ID:** 8020; SMANIMGT; 13000400

**Campus Offered:** BP BW

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## WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT

**Credit:** 1

**Prerequisites:** Principles of Agriculture, Food & Natural Resources. Grades 10-12. Grades 10-12.

Wildlife, Fisheries, and Ecology Management is designed to examine the importance of wildlife, outdoor recreation and ecological concepts with emphasis on wildlife species identification and management of natural resources. Hunter Safety Certification opportunity. Fee: \$20 certification cost. Organization: FFA.

**Course ID:** 8035; WFECGT; 13001500

**Campus Offered:** BP BW

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## AGRICULTURAL MECHANICS & METAL TECHNOLOGY

**Credit:** 1

**Prerequisites:** Principles of Agriculture, Food & Natural Resources. Grades 10-12. Grades 10-12.

Agricultural Mechanics and Metal Technology is designed to introduce career opportunities in the agricultural power, structural, and technical systems. Students will develop skills in safety, tool operations, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques of welding and metal fabrication. Fee: \$40 Organization: FFA

**Course ID:** 8050; AGMECHMT; 13002200

**Campus Offered:** BP BW BC

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## AGRICULTURAL FACILITIES DESIGN & FABRICATION

**Credit:** 2

**Prerequisites:** Agricultural Mechanics & Metal Technology. Grades 11-12.

Agricultural Facilities Design and Fabrication is a lab intensive course with a concentration on welding, agriculture structures and power systems. This course is designed to develop skills in the maintenance, evaluation, design and building of agricultural structures, using approved construction techniques. Fee: \$40 Organization: FFA

**Course ID:** 8055; AGDFDAB; 13002300

**Campus Offered:** BP BW

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## FOOD TECHNOLOGY AND SAFETY

**Credit:** 1

**Prerequisites:** Principles of Ag, Food & Natural Resources recommended. Grades 10-12.

This is the first of two courses related to food science and technology in the food processing industry. Students will examine the following areas related to worldwide food production: processing, preparation, and packaging; government food regulations; career opportunities; and leadership development. Fee: \$20 Organization: FFA.

**Course ID:** 8029; FOODTS; 13001300

**Campus Offered:** BW

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# CTE Agriculture, Food & Natural Resources

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## FOOD PROCESSING

**Credit:** 2

**Prerequisites:** Principles of Agriculture, Food and Natural Resources and Food Technology and Safety. Grades 11-12.

This is the second of two courses that focuses on the food processing industry, with special emphasis on the handling, processing, and marketing of food products. Food Processing is a hands-on course designed to prepare students for entry level employment into the Food Processing Industry or further education in food science and technology. Students will actively participate in the processing of red meats, poultry, and game animals using tools and equipment comparable to those used in industry. Related instruction will also include: workplace safety, health, and sanitation, product preservation, and leadership. ServSafe Certification opportunity available. Course Fee: \$20 Organization: FFA

**Course ID:** 8030; FOODPRO; 13001400

**Campus Offered:** BW

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## LIVESTOCK PRODUCTION

**Credit:** .5

**Prerequisites:** Principles of Agriculture, Food & Natural Resources. Grades 10-12.

This course is designed to introduce students to careers in the field of animal science. Students will develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic animals. Animal species addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry. Organization: FFA.

**Course ID:** 8015; LIVEPROD; 13000300

**Campus Offered:** BP BW

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## EQUINE SCIENCE

**Credit:** .5

**Prerequisites:** Principles of Agriculture, Food & Natural Resources. Grades 10-12. Grades 10-12.

This course is designed to develop knowledge and skills pertaining to the nutrition, reproduction, health, and management of horses. Student will identify breeds, colors, and markings of horses, evaluate conformation and performance, develop feed rations, analyze internal and external anatomies and review basic practices. Organization: FFA

**Course ID:** 8021; EQUINSCI; 13000500

**Campus Offered:** BP & BW

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## VETERINARY MEDICAL APPLICATIONS

**Credit:** 1

**Prerequisites:** Principles of Agriculture, Food & Natural Resources. Grades 11-12.

This course provides training in the veterinary assistant field. Students have the opportunity to develop technical skills in health, nutrition, examinations, diseases, sanitation, and regulatory programs of small and large animals through collaboration, innovation and self-direction. The course includes, but is not, limited to animal handling and restraint, health and safety, surgical preparation, anatomy and physiology, medical terminology, infectious disease, instrument and equipment identification, vaccine preparation and injection techniques, and veterinary office procedures. Students will begin preparation for the Veterinary Assistant-Level I exam. Fee \$20. Organization: FFA.

**Course ID:** 8027; VETMEDAP; 13000600

**Campus Offered:** BP BW

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## PRINCIPLES AND ELEMENTS OF FLORAL DESIGN

**Credit:** 1

**Prerequisites:** Principles of Agriculture, Food & Natural Resources. Grades 10-12.

Principles and Elements of Floral Design prepares students with the skills and knowledge related to Horticulture, and the design principles and techniques in floral design. Students are given hands-on experiences using a variety of floral materials such as live plants and silk flowers. Students will identify and demonstrate the principles and techniques related to floral design to create arrangements, as well as learn planning techniques for floral enterprises and major events. Course may be used to fulfill the required fine art credit for graduation. Fee: \$50 Organization: FFA

**Course ID:** 8040; PEFLDSN; 13001800

**Campus Offered:** BP BW

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## CTE Agriculture, Food & Natural Resources

### HORTICULTURE SCIENCE

**Credit:** 1

**Prerequisites:** Principles of Ag. Food & Natural Resources, Principles of Floral Design. Grades 10-12.

The course will extend our CTE Agriculture, Food & Natural Resource pathway. Horticulture Science is a yearlong course designed to give students a background in the field of horticulture and its many career opportunities. It addresses the biology and technology involved in the production, processing, and marketing of horticultural plants and products. Fee: \$20. Organization: FFA.

**Course ID:** 8129; HORTISCI; 13002000

**Campus Offered:** BP BW

### PRACTICUM IN AGRICULTURE

**Credit:** 2

**Prerequisites:** Principles of Agriculture, Food & Natural Resources and one other Agricultural Science class. Grade 12.

This practicum course is a paid or unpaid internship experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources cluster. The practicum 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, mentor-ship, or laboratories. Organization: FFA.

**Course ID:** 8058; PRAACAFNE; 13002500

**Campus Offered:** BP & BW

### PRACTICUM IN AGRICULTURE - VET MED

**Credit:** 2

**Prerequisites:** Principles of Agriculture, Food & Natural Resources and one other Agricultural Science class. Grade 12.

The practicum course is a paid or unpaid internship experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural resources cluster. The practicum 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, mentor-ship, or laboratories. Organization: FFA

**Course ID:** 8059; PRACAFNR; 130025100

**Campus Offered:** BP & BW

## CTE Architecture & Construction

### PRINCIPLES OF ARCHITECTURE & CONSTRUCTION

**Credit:** 1

**Prerequisites:** None. Grades 9-10

This course provides an introduction to the various fields of architecture, interior design, construction science, and construction technology. Students will explore various field entry requirements to set career goals, in addition to learning about workplace safety and career opportunities, work ethics, communications, problem solving and critical thinking skills. Students will demonstrate uses of various hand tools and power tools, and technical vocabulary related to architecture and construction fields. Class Fee: \$30 Organization: Skills USA

**Course ID:** 8060; PRINARCH; 13004200

**Campus Offered:** BP BW

### CONSTRUCTION TECHNOLOGY

**Credit:** 1

**Prerequisites:** Principles of Architecture & Construction. Grades 10-12.

In Construction Technology students gain knowledge and skills specific to those needed to enter the workforce as carpenters or building maintenance supervisors, or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. NCCER Certification Opportunity. Course Fee: \$30. Organization: Skills USA

**Course ID:** 8080; CONSTECH; 13005100

**Campus Offered:** BP BW

# CTE Architecture & Construction

## CONSTRUCTION TECHNOLOGY ADVANCED

**Credit:** 2

**Prerequisites:** Construction Technology and Principles of Architecture & Construction. Grades 11-12.

This is a lab-based course designed to provide preparation and training in construction-related careers: carpenter, bricklayer, residential electrician, commercial welder, plumber, painter, and decorator. Instruction includes safety and career opportunities. NCCER Certification Opportunity. Course Fee: \$30. Organization: Skills USA

**Course ID:** 8085; ADVCONST; 13005200

**Campus Offered:** BP BW

## ELECTRICAL TECHNOLOGY

**Credit:** 2

**Prerequisites:** Construction Technology and Principles of Architecture & Construction. Grades 11-12.

A pre-employment laboratory course designed to provide job-specific training for entry-level employment in the high demand field of residential and commercial/industrial electrical careers. This course includes installation, servicing skills, safety, and actual job-site training that leads to career opportunities as a licensed apprentice electrician. Students will have the opportunity to complete certification in NCCER Core Safety. Hours completed during the course can be transferred to advanced licenses in the industry. Dual Credit Only. Organization: Skills USA

**Course ID:** 8094; ELECTECH; 13005600

**Campus Offered:** BC

## ELECTRICAL TECHNOLOGY ADVANCED

**Credit:** 2

**Prerequisites:** Electrical Technology. Grade 12.

This second-year lab course is designed to provide advanced job-specific training for entry-level employment in the high demand field of residential and commercial/industrial electrical careers. This course includes actual job-site training and a license as an apprentice electrician. Students will have the opportunity to complete the NCCER Electrical Trades certification. Hours completed during the course can be transferred to advanced licenses in the industry. Dual Credit Only. Organization: Skills USA

**Course ID:** 8104; ADVELECT; 13005700

**Campus Offered:** BC

## HEATING, VENTILATION & AIR CONDITIONING (HVAC) AND REFRIGERATION TECHNOLOGY

**Credit:** 2

**Prerequisites:** Construction Technology and Principles of Architecture & Construction. Grades 11-12.

This course is designed to provide job-specific training for entry-level employment in the expanding career fields of residential heating, ventilation, air-conditioning and refrigeration (HVAC) installation, service, and repair. This course includes classroom instruction and job-site training that emphasizes the trade skills and workplace safety skills necessary to pursue career opportunities in HVAC. Students may receive NCCER Core Safety certification. Dual Credit Only. Organization: Skills USA

**Course ID:** 8114; HVACREF; 13005800

**Campus Offered:** BC

## HEATING, VENTILATION & AIR CONDITIONING (HVAC) AND REFRIGERATION TECHNOLOGY ADVANCED

**Credit:** 2

**Prerequisites:** Heating, Ventilation & Air Conditioning (HVAC) & Refrigeration Technology. Grade 12.

This second-year lab course is designed to continue job-specific training for entry-level employment in the expanding career fields of residential heating, ventilation, air-conditioning and refrigeration (HVAC) installation, service, and repair. This course includes classroom instruction and job-site training that emphasizes the trade skills and workplace safety skills necessary to pursue career opportunities in HVAC. Students will have the opportunity to earn the NCCER HVAC certification. Dual Credit Only. Organization: Skills USA

**Course ID:** 8124; ADVHVAC; 13005900

**Campus Offered:** BC

## CTE Architecture & Construction

### PIPING & PLUMBING TECHNOLOGY (Pipefitting - Jr. Year)

**Credit:** 2

**Prerequisites:** Construction Technology and Principles of Architecture & Construction. Grades 11-12.

Students will gain knowledge and skills needed to enter industry as a plumber, pipe fitter, supervisor or prepare for a postsecondary degree in construction management, architecture, or engineering. Students will apply mathematical calculations related to plumbing installation; demonstrate the safe use of hand and power tools; and identify materials used in the plumbing industry. Dual Credit only. Organization: Skills USA

**Course ID:** 8134; PIPLTECH; 13006000

**Campus Offered:** BC

### PIPING & PLUMBING TECHNOLOGY ADVANCED (Pipefitting - Sr. Year)

**Credit:** 2

**Prerequisites:** Piping & Plumbing Technology. Grade 12.

Students will build on skills learned in Piping and Plumbing Technology to gain advanced knowledge and skills specific to those needed to enter the industry as a plumber, pipe fitter, supervisor, or prepare for a postsecondary degree in mechanical engineering. Dual Credit only. Organization: Skills USA

**Course ID:** 8144; ADVPIPL; 13006100

**Campus Offered:** BC

### PRACTICUM OF CONSTRUCTION MANAGEMENT

**Credit:** 2

**Prerequisites:** Construction Technology and Principles of Architecture & Construction. Grade 12.

This is an occupationally specific course designed to provide classroom technical instruction or on-the-job training. Students gain advanced knowledge and skills specific to enter the workforce and/or prepare for a postsecondary degree in construction management, architecture, or engineering. Organization: Skills USA.

**Course ID:** 8145; PRACCONS; 13006200

**Campus Offered:** BP BW

## CTE Arts, Audio/Visual Technology & Communications/Information

### PRINCIPLES OF ARTS, A/V, TECHNOLOGY & COMMUNICATION

**Credit:** 1

**Prerequisites:** None. Grades 9-10.

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in the cluster and the knowledge, skills, and educational requirements for those opportunities.

**Course ID:** 8266; PRINAAVTC; 13008200

**Campus Offered:** BP BW

### GRAPHIC DESIGN & ILLUSTRATION

**Credit:** 1

**Prerequisites:** Principles of Arts, A/V Technology and Communications. Grades 10-12.

Graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art

**Course ID:** 8128; GRAPHDI; 13008800

**Campus Offered:** BP BW

### VIDEO GAME DESIGN

**Credit:** 1

**Prerequisites:** Graphic Design & Illustration. Grades 11-12.

Students will be provided the opportunity to design, program, and create a functional video game. The course will introduce basic programming language skills that are essential to developing a video game. Topics covered are programming logic, physics engines, game design, and programming syntax. A variety of programs will be used to create games for different platforms. Each student will be expected to produce a game from scratch.

**Course ID:** 8268; VIDEOG; N1300993

**Campus Offered:** BP BW



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# CTE Arts, Audio/Visual Technology & Communications/Information

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## DIGITAL & INTERACTIVE MEDIA

**Credit:** 1

**Prerequisites:** Principles of Information Technology. Grades 10-12.

Digital & Interactive Media develops proficiencies in designing, importing, and manipulating advanced text, graphics, audio and video used in presentation management, multimedia productions, publishing systems and emerging technologies. Students will use Adobe Creative Suite 5 Design Premium solutions to create projects and begin a personal portfolio. Organization: Texas Technology Students Association.

**Course ID:** 8270; DIMEDIA; 13027800

**Campus Offered:** BP BW

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## WEB TECHNOLOGIES

**Credit:** 1

**Prerequisites:** Principles of Information Technology. Grades 10-12.

Web Technologies provides an understanding of the impact the Internet can have on our personal lives. Students will study the internet from inception to the present; social, legal and ethical implications are also explored. Students will use Adobe Design Premium and a broad variety of other Internet-based tools to design, create, and edit web pages. Organization: Texas Technology Students Association.

**Course ID:** 8272; WEBTECH; 13027900

**Campus Offered:** BP BW

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## AUDIO/VIDEO PRODUCTION

**Credit:** 1

**Prerequisites:** Principles of Arts, A/V, Technology & Communications. Grades 10-12.

This introductory course will help students learn more about careers in the audio/video communications industry, with special emphasis on audio and video technology and production. Student will develop an understanding of the A/V industry through a hands-on focus on pre-production, production, and post-production audio and video activities. Students will learn the history of Audio/Video production, as well as collect footage throughout the year to show on their campus news channel.

**Course ID:** 8265; AVPROD; 13008500

**Campus Offered:** BP BW

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## AUDIO/VIDEO PRODUCTION ADVANCED

**Credit:** 2

**Prerequisites:** Audio/Visual Production and Principles of Arts, A/V, Technology & communications. Grades 11-12.

In Advanced Audio/Video Production, students examine advanced elements of production through the campus studio setting. Students will present production techniques for a variety of video applications, including theatrical, news gathering, informational, and documentary-style productions. Students focus on pre-production planning and combining studio and field production into a final presentation, and help produce programming for their school news channel.

**Course ID:** 8126; ADVAVPRO; 13008600

**Campus Offered:** BP BW

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## PRACTICUM/ RESEARCH IN INFORMATION TECHNOLOGY SOLUTIONS

**Credit:** 2

**Prerequisites:** Principles of Information Technology and one course from the Information Technology career cluster. Grade 12.

Research in Information Technology allows a student or a group of students to identify a problems relating to information technology and create the technological solution. Students will work with a mentor to design, create and implement a product or service that addresses the problem and incorporates the solution. Students will create a personal portfolio and present findings to a panel of professionals using formal presentation skills. Organization: Texas Technology Students Association.

**Course ID:** 8267; RESITSOL; 13028000

**Campus Offered:** BP BW

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# CTE Business, Marketing & Finance

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# CTE Business, Marketing & Finance

## PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE

**Credit:** 1

**Prerequisites:** None. Grades 9-10.

Ever wonder what it takes to operate a successful business? Principles of Business Marketing & Finance is an introductory course that will give you basic knowledge in business, marketing, advertising and economics. You will leave this class with a new outlook on business in the real world. Organization: Business Professionals of America

**Course ID:** 8140; PRINBMF; 13011200

**Campus Offered:** BP BW

## BUSINESS INFORMATION MANAGEMENT

**Credit:** 1

**Prerequisites:** Touch System Data Entry. Grades 10-12.

Business Information Management I prepares students to apply technology skills to personal and workplace business situations. Students develop mastery in using MS Office applications (Word, Excel, Access, PowerPoint and Publisher) and additional applications. \*\*This course is highly recommended for preparing students for career and college entry. MS Office Applications Certification Opportunities. Course Fee: \$10. Organization: Business Professionals of America

**Course ID:** 8160 (8164 BC); BUSIM1; 13011400

**Campus Offered:** BP BW BC

## BUSINESS INFORMATION MANAGEMENT II

**Credit:** 1

**Prerequisites:** Business Information Management I. Grades 11-12.

In BIM II, you will learn more about MS Office while applying techniques towards managing several business and community related efforts. Throughout the year, you will learn more about MS Office software, computer hardware, and apply technical skills to address business applications of emerging technologies. Student will work towards a culminating electronic presentation using appropriate multimedia software. Additional MS Office Applications Certification Opportunities and/or IC3. Course Fee: \$10. Organization: Business Professionals of America

**Course ID:** 8165; BUSIM2; 13011500

**Campus Offered:** BP BW

## ENTREPRENEURSHIP

**Credit:** .5

**Prerequisites:** Principles of Business, Marketing and Finance Recommended. Grades 10-12.

Interested in becoming an entrepreneur? Students will learn the principles necessary to begin and operate their own business. Students will practice analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. Organization: Business Professionals of America

**Course ID:** 8376; ENTREP; 13034400

**Campus Offered:** BP BW

## SPORTS & ENTERTAINMENT MARKETING

**Credit:** .5

**Prerequisites:** Principles of Business, Marketing and Finance Recommended. Grades 10-12.

The course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas will cover basic marketing, target marketing, sponsorship and event marketing, and promotions. Organization: Business Professionals of America.

**Course ID:** 8275; SPORTSEM; 13034600

**Campus Offered:** BP BW

## BUSINESS LAW

**Credit:** .5

**Prerequisites:** Principles of Business, Marketing and Finance Recommended. Grades 11-12.

Business Law introduces law and the necessity of the legal system that governs business operations in our society. This course prepares students with the understanding to carry concepts over into future business ownership and also for college prep in studies for business majors. Students analyze significant issues of business and industry relating to legal environment, ethics, torts, contracts, financial instruments, personal property, sales, warranties and more. Organization: Business Professionals of America

**Course ID:** 8170; BUSLAW; 13011700

**Campus Offered:** BP BW

## CTE Business, Marketing & Finance

### MONEY MATTERS

**Credit:** .5

**Prerequisites:** Principles of Business, Marketing, and Finance recommended. Grades 10-12. Grades 10-12.

Money Matters blends computer and classroom activities to help students learn the knowledge and skills necessary to set long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning. This class meets the TEA requirement for personal finance instruction. Students have the opportunity to receive a personal financial literacy certification upon completion of the class. Organization: Business Professionals of America

**Course ID:** 1720; MONEYM; 13016200

**Campus Offered:** BP BW

### TOUCH SYSTEM DATA ENTRY

**Credit:** .5

**Prerequisites:** None. Grades 9-12.

Touch System Data Entry teaches you technical skills to address business applications of emerging technologies. Students will produce various business documents focusing on correct formatting of documents, proper keyboarding technique, and skills with file management. Students will need to apply touch system data entry for production of business documents. Organization: Business Professionals of America

**Course ID:** 8150; TSDATAE; 13011300

**Campus Offered:** BP BW

### BUSINESS ENGLISH

**Credit:** 1

**Prerequisites:** English III. Grade 12.

Students will recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing communication, and reasoning skills and apply them to the business environment. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of conventions and mechanics of written English and produce final, error-free drafts of business reproduction. Business English may be substituted for English IV credit under the Foundation Graduation Plan (HB 5). Organization: Business Professionals of America.

**Course ID:** 8176; BUSENGL; 13011600

**Campus Offered:** BP BW BC

### PRACTICUM IN BUSINESS MANAGEMENT

**Credit:** 2

**Prerequisites:** Principles of Business, Marketing and Finance Recommended. Grade 12.

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business application of emerging technologies, students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Organization: Business Professionals of America

**Course ID:** 8174; PRACBM; 13012200

**Campus Offered:** BP BW

## CTE Education & Training/ Human Services

### PRINCIPLES OF HUMAN SERVICES

**Credit:** 1

**Prerequisites:** None. Grades 9-10.

Principles of Human Services is a laboratory course that will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Fee: \$20. Organization: Texas Association of Future Educators.

**Course ID:** 8228; PNINHUSR; 13024200

**Campus Offered:** BP BW

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## CTE Education & Training/ Human Services

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### LIFETIME NUTRITION AND WELLNESS

**Credit:** .5

**Prerequisites:** Principles of Human Services Recommended. Grades 10-12.

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. This course cannot be entered at mid-term. Course Fee: \$15. Organization: Health Occupations Students of America.

**Course ID:** 8230; LNURTWEL; 13024500

**Campus Offered:** BP BW

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### CHILD DEVELOPMENT

**Credit:** .5

**Prerequisites:** Principles of Human Services. Grades 10-12.

Child Development is a fast-paced class which begins with the decision to become a parent and covers all aspects of child development until age twelve. Whether the student plans to be a parent or to spend their professional days as a child psychologist, a teacher or a day care provider, this course provides a background for skills and knowledge. Organization: Texas Association of Future Educators.

**Course ID:** 8235; CHILDDDEV; 13024700

**Campus Offered:** BP BW

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### CHILD GUIDANCE

**Credit:** 2

**Prerequisites:** Child Development. Grades 11-12.

Child Guidance provides students background knowledge of child and adolescent development principles as well as principles of effective teaching practices. Class time is divided between classroom instruction on a high school campus and observations in elementary classrooms. Students gain practical experiences by planning, preparing, and presenting activities among peers and assisting the classroom teacher. Organization: Texas Association of Future Educators.

**Course ID:** 8240; CHILDGUI; 13024800

**Campus Offered:** BP BW

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### MONEY MATTERS

**Credit:** .5

**Prerequisites:** Principles of Business, Marketing, and Finance Recommended. Grades 10-12.

Money Matters blends computer and classroom activities to help students learn the knowledge and skills necessary to set long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning. This class meets the TEA requirement for personal finance instruction, students have the opportunity to receive a personal financial literacy certification upon completion of the class. Organization: Business Professionals of America

**Course ID:** 1720; MONEYM; 13016200

**Campus Offered:** BP BW

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### COSMETOLOGY I

**Credit:** 3

**Prerequisites:** Application with teacher approval. Own transportation is required. Principles of Human Services Recommended. Grade 11.

Cosmetology is a laboratory-based, instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included. Fee: \$700-\$900 (includes kit and additional supplies). Student must provide own transportation. Organization: Skills USA

**Course ID:** 8501; COSMET1; 13025200

**Campus Offered:** Off Campus

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## CTE Education & Training/ Human Services

### COSMETOLOGY II

**Credit:** 3

**Prerequisites:** Application with teacher approval. Own transportation is required. Cosmetology I required. Grade 12.

Cosmetology II is designed to provide advanced training for employment in cosmetology careers. Instruction includes advanced training in sterilization and sanitation processes, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Student must provide own transportation. Fee: \$250 (State Exams).

Organization: Skills USA

**Course ID:** 8502; COSMET2; 13025300

**Campus Offered:** Off Campus

### PRACTICUM IN CHILD GUIDANCE (HUMAN SERVICES)

**Credit:** 2

**Prerequisites:** Child Guidance & Child Development. Grade 12.

During this second-year course the students continue observations in local elementary classrooms and/or daycare centers. Classroom instruction will further prepare students pursuing the Child Development Associate certification exam. Organization: Texas Association of Future Educators.

**Course ID:** 8241; PRACHUSR; 13025000

**Campus Offered:** BP BW

## CTE Health Science

### MEDICAL TERMINOLOGY

**Credit:** .5

**Prerequisites:** None. Grades 9-10.

Medical Terminology is designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. A body systems approach is used, which includes anatomy, common diseases/disorders, diagnostic and therapeutic treatments and common abbreviations. This course is designed to prepare students for Health Science and Anatomy and Physiology. Organization: Health Occupations Students of America.

**Course ID:** 8205; MEDTERM; 13020300

**Campus Offered:** BP BW

### LIFETIME NUTRITION AND WELLNESS

**Credit:** .5

**Prerequisites:** Principles of Human Services Recommended. Grades 10-12.

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. This course cannot be entered at mid-term. Course Fee: \$15. Organization: Health Occupations Students of America.

**Course ID:** 8230; LNURTWEL; 13024500

**Campus Offered:** BP BW

### CHILD DEVELOPMENT

**Credit:** .5

**Prerequisites:** Principles of Human Services. Grades 10-12.

Child Development is a fast-paced class which begins with the decision to become a parent and covers all aspects of child development until age twelve. Whether the student plans to be a parent or to spend their professional days as a child psychologist, teacher or care provider, this course provides a background for skills and knowledge. Organization: Texas Association of Future Educators.

**Course ID:** 8235; CHILDGUI; 13024700

**Campus Offered:** BP BW

# CTE Health Science

## PRINCIPLES OF HEALTH SCIENCE

**Credit:** 1

**Prerequisites:** Medical Terminology. Grades 10-12.

Principles of Health Science provides students with an overview of the health care industry. Focus is on exploration, leadership development, ethical and legal issues and history of medicine and economics and trends in financing health care. Students develop a concept of health and wellness from the perspective of a health consumer as well as a potential professional in the health care industry. Organization: Health Occupations Students of America.

**Course ID:** 8200; PRINHLSC; 13020200

**Campus Offered:** BP BW

## HEALTH SCIENCE - CLINICAL ROTATIONS

**Credit:** 2

**Prerequisites:** Application with teacher approval. Own transportation is required. Principles of Health Science & Biology. Grades 11-12.

Interested in a career in healthcare? Would you like to be a doctor, nurse, or just want to see what Health Science is all about? Topics covered include effective communications, medical law and ethics, client care and safety, medical terminology and basic anatomy and physiology. Health Science must be taken prior to taking Practicum in Health Science. Fee: \$135 (Will include scrubs, insurance, TB test, and etc.). Provide own transportation. Organization: Health Occupations Students of America.

**Course ID:** 8210; HLTHSCI; 13020400

**Campus Offered:** BP BW

## ANATOMY & PHYSIOLOGY

**Credit:** 1

**Prerequisites:** Biology (regular or Pre-AP), IPC or Chemistry (regular or Pre-AP)

This course introduces a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students conduct laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. Part of the Health Science CTE Pathway. Anatomy & Physiology can be used as a third or fourth year advanced science course under the Foundation Graduation Plan (HB 5). Organization: Health Occupations Students of America

**Course ID:** 2966 (2964 for BC); ANATPHYS; 13020600

**Campus Offered:** BP BW BC

## PRACTICUM IN HEALTH SCIENCE- Certified Medical Administrative Assistance **Credit:** 2

**Prerequisites:** Application with teacher approval. Own transportation is required. Health Science - Clinical Rotations. Grade 12.

This double-blocked one-year course is designed for the student planning to enter into a health care career. Students will have the opportunity to observe various health care professionals during clinical rotations and study health care related topics in the classroom. Students will have opportunity to earn First Aid and CPR certification. Student materials fee up to \$135 (includes scrubs, insurance, TB test and will apply for various personal supplies.) Student must provide own transportation. Organization: Health Occupations Students of America.

**Course ID:** 8215; PRACHLSC; 13020500

**Campus Offered:** BP BW

## PRACTICUM IN HEALTH SCIENCE II - Certified Clinical Medical Assistance (CCMA) or Certified Patient Care Technician (CPCT) **Credit:** 2

**Prerequisites:** Application with teacher approval. Own transportation is required. Health Science - Clinical Rotations. Grade 12.

This double-blocked one-year course is designed for the student planning to enter into a health care career. Students will have the opportunity to observe various health care professionals during clinical rotations and study health care related topics in the classroom. Students will have opportunity to earn First Aid and CPR certification. Student materials fee up to \$135 (includes scrubs, insurance, TB test and will apply for various personal supplies.) Student must provide own transportation. Organization: Health Occupations Students of America.

**Course ID:** 8216 PRACHLS2; 13020510

**Campus Offered:** BP BW

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## CTE Health Science

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### MATHEMATICS FOR MEDICAL PROFESSIONS

**Credit:** 1

**Prerequisites:** Geometry and Algebra II. Grades 11-12.

Mathematics for Medical Professional is an instructional program that prepares students with skills to compute mathematical equations related to healthcare. The course integrates medical-physiological concepts and mathematics. Students will engage in math activities including problem-solving, reasoning and proof, communication, connections and representations.

**Course ID:** 8203; MTHMED; N1302097

**Campus Offered:** BP BW

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## CTE Hospitality & Tourism

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### PRINCIPLES OF HOSPITALITY & TOURISM

**Credit:** 1

**Prerequisites:** None. Grades 9-10.

Students enrolled in this class will explore and develop personal, technical, and social skills that are necessary to have a successful career in the industries of lodging, restaurants, travel and tourism, and resorts. Job safety, customer service, roles within various departments, and career opportunities are just a few of the topics covered. This course is recommended when pursuing the Hospitality Services or Culinary Arts programs. Fee: \$20. Organization: Skills USA.

**Course ID:** 8218; PRINCHOSP; 13022200

**Campus Offered:** BP BW

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### FOOD SCIENCE

**Credit:** 1

**Prerequisites:** Principles of Hospitality & Tourism. Grades 10-12.

In Food Science, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Food Science can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5). Course Fee: \$20. Organization: Skills USA.

**Course ID:** 8224; FOODSCI; 13023000

**Campus Offered:** BP BW

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### RESTAURANT MANAGEMENT

**Credit:** .5

**Prerequisites:** Principles of Hospitality & Tourism. Grades 10-12.

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Course Fee: \$20. Organization: Skills USA.

**Course ID:** 8219; RESTMGT; 13022400

**Campus Offered:** BP BW

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### CULINARY ARTS

**Credit:** 2

**Prerequisites:** Principles of Hospitality & Tourism and one other class from the Hospitality & Tourism career cluster. Grades 11-12.

Do you love to cook? Come explore food, flavor, equipment and cuisines of the World. Culinary Arts begins with the fundamentals and principles of the art of cooking or baking, and includes management and production skills and techniques. Students can pursue a national sanitation certification (ServSafe). Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Course Fee: \$50, includes chef jacket. Organization: Skills USA

**Course ID:** 8220; CULARTS; 13022600

**Campus Offered:** BP BW

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## CTE Hospitality & Tourism

### PRACTICUM IN CULINARY ARTS

**Credit:** 2

**Prerequisites:** Principles of Hospitality & Tourism and one other class from the Hospitality & Tourism career cluster. Grade 12.

This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual work experiences in culinary career-related fields. This class provides the opportunity for a culinary career-related internship where you may work at a food-service operation to gain real world experiences during your senior year. All food-service establishments must be approved by the Culinary teacher. Course Fee: \$50 includes purchase of chef jacket. Provide own transportation. Organization: Skills USA

**Course ID:** 8221; PRACCUL; 13022700

**Campus Offered:** BP BW

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## CTE Law, Public Safety, Corrections & Security

### PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

**Credit:** .5

**Prerequisites:** None. Grades 11-12.

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, security, corrections and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security and corrections.

**Course ID:** 8274; PRINLPCS; 13029200

**Campus Offered:** BC

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### COURT SYSTEMS AND PRACTICES

**Credit:** .5

**Prerequisites:** Principles of Law, Public Safety, Corrections & Security. Grades 11-12.

Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

**Course ID:** 8294; COURTSP; 13029600

**Campus Offered:** BC

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### LAW ENFORCEMENT I

**Credit:** .5

**Prerequisites:** Principles of Law, Public Safety, Corrections & Security. Grade 12.

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

**Course ID:** 8284; LAWENF1; 13029300

**Campus Offered:** BC

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### LAW ENFORCEMENT II

**Credit:** .5

**Prerequisites:** Law Enforcement I and Principles of Law, Public Safety, Corrections & Security. Grade 12.

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

**Course ID:** 8304; LAWENF2; 13029400

**Campus Offered:** BC

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## CTE Law, Public Safety, Corrections & Security

### BUSINESS LAW

**Credit:** .5

**Prerequisites:** Principles of Business, Marketing and Finance Recommended. Grades 11-12.

Business Law introduces law and the necessity of the legal system that governs business operations in our society. This course prepares students with the understanding to carry concepts over into future business ownership and also for college prep in studies for business majors. Students analyze significant issues of business and industry relating to legal environment, ethics, torts, contracts, financial instruments, personal property, sales, warranties and more. Organization: Business Professionals of America

**Course ID:** 8170; BUSLAW; 13011700

**Campus Offered:** BP BW

### FORENSIC SCIENCE

**Credit:** 1

**Prerequisites:** Biology (regular or Pre-AP). IPC or Chemistry (regular or Pre-AP). Grades 11-12.

Forensic Science is a course that applies the technological practices of justice, with biological, chemical and physical science principles, to the study of criminal and civil issues. Major themes of study are pathology, anthropology, odontology, ballistics, trace evidence, biological fluids, DNA, and fingerprint evidence. Students will have the opportunity to collect and analyze such evidence through case studies and mock crime scenes. Lab activities will be based on crime scene scenarios. Students will also learn about the history and legal aspects of forensic science and career options available in the forensic field. Forensic Science can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 8290; FORENSCI; 130209500

**Campus Offered:** BP BW

## CTE Manufacturing

### PRINCIPLES OF MANUFACTURING

**Credit:** 1

**Prerequisites:** None. Grades 9-10.

In Principles of Manufacturing, students gain knowledge and skills in the proper application of principles of manufacturing, the design of technology, the efficient prediction of technology, and the assessment of the effects of manufacturing production technology. The study of manufacturing technology allows students to participate in a variety of interesting and relevant activities and problems in a manufacturing setting. Students gain an understanding of career opportunities available in manufacturing and what employers require to gain and maintain employment in these careers. Students will have the opportunity to begin the NCCER Certification Modules and complete OSHA 10hr. Safety Certification. Materials Fee: \$40 Organization: Skills USA

**Course ID:** 8320; PRINMAN; 13032200

**Campus Offered:** BP BW

### AGRICULTURAL MECHANICS & METAL TECHNOLOGY

**Credit:** 1

**Prerequisites:** Principles of Ag, Food & Natural resources recommended. Grades 10-12.

Agricultural Mechanics and Metal Technology is designed to introduce career opportunities in the agricultural power, structural, and technical systems. Students will develop skills in safety, tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques of welding and metal fabrication. Fee: \$40 Organization: FFA

**Course ID:** 8050; AGMECHMT; 13002200

**Campus Offered:** BP BW BC

### AGRICULTURAL FACILITIES DESIGN & FABRICATION

**Credit:** 2

**Prerequisites:** Ag Mechanics & Metal Fabrication recommended. Recommended for Grades 11-12.

Ag Facilities Design and Fabrication is a lab intensive course with a concentration on welding, agriculture structures and power systems. This course is designed to develop skills in the maintenance, evaluation, design and building of agricultural structures, using approved construction techniques. Fee: \$40 Organization: FFA

**Course ID:** 8055; AGDFDAB; 13002300

**Campus Offered:** BP BW

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# CTE Manufacturing

## WELDING

**Credit:** 2

**Prerequisites:** Principles of Manufacturing. Grades 11-12.

Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, technologies required for employment in metal technology systems. Students will have the opportunity to earn NCCER and AWS Certification. Materials Fee: \$100 (Includes: Welding Shirt, Gloves, Safety Goggles, Vice Grips and etc.) Organization: Skills USA

**Course ID:** 8330 ; WELD; 13032300

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**Campus Offered:** BP BW BC

## WELDING ADVANCED

**Credit:** 2

**Prerequisites:** Welding. Grades 11-12.

Advanced Welding students will demonstrate advanced concepts and skills as they relate it to personal and career development in the Manufacturing Industries. Students will have the opportunity to compete in various competitions, and complete the NCCER and American Welding Society—Level I certification. Materials Fee: \$100 (Includes: Welding Shirt, Gloves, Safety Goggles, Vice Grips and etc.) Organization: Skills USA

**Course ID:** 8340 (8344 for BC); ADVWELD; 13032400

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**Campus Offered:** BP BW BC

## DATA ACQUISITION & ANALYSIS (Instrumentation Track - Jr. Year)

**Credit:** 2

**Prerequisites:** Principles of Manufacturing. Grades 11-12

Students will become familiar with standard scientific and engineering instrumentation, and will work in the context of engineering design problems in disciplines such as mechanical, electrical, civil, materials, and biomedical engineering. INTC 1401, PTAC 1410.

**Course ID:** 8404; DAA; N1303750

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**Campus Offered:** BC

## ELECTRONICS ADVANCED (Instrumentation Technology Track - Sr. year)

**Credit:** 2

**Prerequisites:** Data Acquisition & Analysis (Instrumentation Track - Jr. Year). Grade 12.

Students enrolled in this course will demonstrate knowledge and applications of advanced circuits, electrical measurement, and electrical implementation used in the electronics and instrumentation industries. Additionally, students explore career opportunities, employer expectations, and educational needs in industry. INTC 1441 & INTC 1343

**Course ID:** 8434; ADVELECT; 13036900

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**Campus Offered:** BC

## MANUFACTURING ENGINEERING (Process Technology Track - Jr. Year)

**Credit:** 2

**Prerequisites:** Principles of Manufacturing. Grades 11-12

In Manufacturing Engineering, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of Manufacturing Engineering, the design of technology, efficient manufacturing technology, and the assessment of the effects of production technology prepares students for success in the global economy. The study of Manufacturing allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. PTAC 1302, PTAC 1410

**Course ID:** 8374; MANUENG; 13032900

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**Campus Offered:** BC

## ELECTRONICS (Process Technology Track - Sr. year)

**Credit:** 2

**Prerequisites:** Manufacturing Engineering (Process Technology - Jr. Year). Grade 12.

Students enrolled in this course will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Through use of the design process, students will transfer academic skills to component designs in a project-based environment. Students will use a variety of computer hardware and software applications to complete assignments and projects. Additionally, students explore career opportunities, employer expectations, and educational needs in the electronics industry. PTAC 1408, PTAC 1432.

**Course ID:** 8394; ELECTRO; 13036800

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**Campus Offered:** BC

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## CTE Manufacturing

### PRECISION METAL MANUFACTURING (Machine Shop/Millwright - Jr. Year) **Credit: 2**

**Prerequisites:** Principles of Manufacturing. Grades 11-12

Rapid advances in technology have created new career opportunities and demands in many industries. Precision Metal Manufacturing provides the knowledge, skills, and technologies required for employment in metal technology systems. This course may also address a variety of materials in addition to metal such as plastics, ceramics, and wood. Students develop knowledge of the concepts and skills related to these systems to apply them to personal and career development. This course supports integration of academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success. MCHN 1325, MCHN 1329 or MCHN 1338, MCHN 1341.

**Course ID:** 8354; PRECMMAN; 13032500

**Campus Offered:** BC

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### PRECISION METAL MANUFACTURING ADVANCED (Machine Shop/Millwright - Sr. Year) **Credit: 2**

**Prerequisites:** Precision Metal Manufacturing (Machine Shop/Millwright - Jr. Year). Grade 12.

This course is designed to enhance the technical knowledge and skills learned in Precision Metal Manufacturing by allowing students the opportunity to explore career preparation that has resulted from the rapid advances in technology and career demands in high-skill, high-wage opportunities. Advanced Precision Metal Manufacturing provides the knowledge, skills, and technologies required for employment in a globally competitive manufacturing environment. This course may also address a variety of materials in addition to metal such as plastics, ceramics, and wood. Students need to develop concepts and skills related to this system in order to apply them to personal and professional development. Career and technical education supports the integration of academic and career and technical knowledge and skills. Students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success. MCHN 2305, MCHN 2307 or MCHN 1352, MCHN 1354.

**Course ID:** 8364; ADVPMM; 13032600

**Campus Offered:** BC

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## CTE Science, Technology, Engineering & Math (STEM)

### CONCEPTS OF ENGINEERING & TECHNOLOGY **Credit: 1**

**Prerequisites:** None. Grades 9-10.

Concepts of Engineering and Technology provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields and will be able to make informed decisions regarding a coherent sequence of subsequent courses. Students will have experiences participating on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments. This course cannot be entered at mid-term.

**Course ID:** 8385; CONCENGT; 13036200

**Campus Offered:** BP BW

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### ENGINEERING DESIGN & PRESENTATION **Credit: 1**

**Prerequisites:** Concepts of Engineering & Technology. Grades 10-12.

Students enrolled in this course will demonstrate knowledge and skills of the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas. This course cannot be entered at mid-term. This course can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 8390; ENGDSPP; 13036500

**Campus Offered:** BP BW

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# CTE Science, Technology, Engineering & Math (STEM)

## ENGINEERING DESIGN & PROBLEM SOLVING- ROBOTICS

**Credit:** 1

**Prerequisites:** Algebra II and Physics. Grades 11-12.

Students will design and build many projects using a variety of computer hardware and software applications. Projects include basic bridge design, projective launchers and lots of robots. This course is recommended for students in Grade 11 or 12 with a strong desire for building computers, robotics and engineering. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. Lab Fee: \$40.

**Course ID:** 2941; ENGDPRS; 13037300

**Campus Offered:** BP BW

## SCIENTIFIC RESEARCH & DESIGN - SYSTEMS GO! (ROCKETS 1)

**Credit:** 1

**Prerequisites:** Biology and Chemistry. Grades 11-12.

Students experience how modern engineers design and build new technologies using math and science, together with ingenuity by designing and building rockets. They are exposed to new and relevant applications of mathematics, science and computer design technology important to aerospace and mechanical engineering problems. Second semester is dedication to using a Design and Development process, in a working environment meant to simulate an industrial setting, to create a rocket to take a 1 pound payload to an altitude of 1 mile and safely recover the vehicle. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. This course can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 2950; SCIRD; 13037200

**Campus Offered:** BP BW

## SCIENTIFIC RESEARCH AND DESIGN - SYSTEMS GO 2! (ROCKETS 2)

**Credit:** 1

**Prerequisites:** Scientific Research & Design - Systems Go! (Rockets 1). Grade 12.

This course is a continuation of Scientific Research & Design-Systems Go I (Rockets I) ! Second-year students work on rockets capable of transonic flight, some exceeding Mach 2. The year-end launches take place at joint launch sites, with all participating schools in attendance. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. This course can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 2951; SCIRD2; 13037210

**Campus Offered:** BW BP

## ENGINEERING MATHEMATICS

**Credit:** 1

**Prerequisites:** Completion of or concurrent enrollment in Algebra II. Grades 11-12.

Engineering Mathematics is a course where students solve and model design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. Engineering Mathematics can be used as third or fourth year advanced math credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 1420; ENGMATH; 13036700

**Campus Offered:** BP BW

## ELECTRONICS

**Credit:** 2

**Prerequisites:** Grades 11-12.

Students enrolled in this course will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Through use of the design process, students will transfer academic skills to component designs in a project-based environment. Students will use a variety of computer hardware and software applications to complete assignments and projects. Additionally, students explore career opportunities, employer expectations, and educational needs in the electronics industry. PTAC 1408, PTAC 1432.

**Course ID:** 8394; ELECTRO; 13036800

**Campus Offered:** BC

## CTE Science, Technology, Engineering & Math (STEM)

### ELECTRONICS ADVANCED

**Credit:** 2

**Prerequisites:** Grade 12.

Students enrolled in this course will demonstrate knowledge and application of advanced circuits, electrical measurement, and electrical implementation used in the electronics and instrumentation industries. Additionally, students explore career opportunities, employer expectations, and educational needs in industry. INTC 1441 & INTC 1343

**Course ID:** 8434; ADVELECT: 13036900

**Campus Offered:** BC

## CTE Transportation, Distribution & Logistics

### AUTOMOTIVE TECHNOLOGY

**Credit:** 2

**Prerequisites:** Principles of Manufacturing. Grades 10-12.

Automotive services include knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach the theory of operation of automotive vehicle systems and associate repair practices.

**Course ID:** 8414; AUTOTECH; 13039600

**Campus Offered:** BC

### AUTOMOTIVE TECHNOLOGY ADVANCED

**Credit:** 2

**Prerequisites:** Automotive Technology. Grades 11-12.

Automotive services include advanced knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Advanced Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach the theory of operation of automotive vehicle systems and associated repair practices.

**Course ID:** 8424; ADVAUTOT; 13039700

**Campus Offered:** BC

### PRACTICUM IN TRANSPORTATION, DISTRIBUTION AND LOGISTICS

**Credit:** 2

**Prerequisites:** Automotive Technology Advanced. Grade 12.

The practicum course is a paid or unpaid internship experience for students participating in a coherent sequence of career and technical education courses in the Transportation, Distribution and Logistics cluster. The practicum 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.

**Course ID:** 8444; PRACTOL; 13040400

**Campus Offered:** BC

## CTED Career and Tech. Ed. Courses for Students with Disabilities

### CTED - CULINARY ARTS

**Credit:** 1

**Prerequisites:** ARD Placement.

This course prepares students with special needs for gainful employment. Areas covered include safety, sanitation, quantity food preparation, use and care of commercial food preparation equipment, housekeeping skills, and preparation for job placement.

**Course ID:** 8223; CULARTS; 13022600

**Campus Offered:** BP & BW

## CTED Career and Tech. Ed. Courses for Students with Disabilities

### CTED - BUSINESS INFORMATION MANAGEMENT

**Credit:** 1

**Prerequisites:** ARD Placement.

This course provides computer skills for students with special needs. In this course students will apply technical skills to personal or business situations focusing on work processing, spreadsheets, databases, desktop publishing, presentation management, operating systems and emerging technologies. This course provides students with an overview of the various uses of information processing tools and skill development needed to make a successful transition to the workforce after postsecondary education.

**Course ID:** 8161; BUSIM1; 13011400

**Campus Offered:** BP BW

### CTED - HORTICULTURE SCIENCE

**Credit:** 1

**Prerequisites:** ARD Placement.

A lab course designed to develop entry-level employment skills in horticultural related careers for students with special needs. A lab-oriented course designed to develop skills in various technical areas of the horticulture industry. The major focus is preparing individuals to perform horticulture related skills. The course emphasizes greenhouse and nursery crop production; landscaping; floral design; and fruit, nut, and vegetable crop production. Instruction will include information on career opportunities, leadership activities, and record keeping practices related to the horticulture industry.

**Course ID:** 8130; HORTISCI; 13002000

**Campus Offered:** BP & BW

## Air Force Jr. ROTC

### AIR FORCE JR. ROTC I

**Credit:** 1

**Prerequisites:** None.

This course is comprised of Aerospace Science, Leadership Education, Drill and Ceremonies, and Wellness. The Aerospace Science portion is an aviation history course focusing on the development of flight throughout the centuries, with emphasis on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. Leadership Education introduces cadets to the AFJROTC program, while instilling elements of good citizenship, and contains sections on cadet and Air Force organizational structure, uniform wear, customs, courtesies, and other military traditions. The Drill and Ceremonies provides an in-depth introduction to drill and ceremonies, elements of military drill, and protocol for military events. Wellness is an exercise program with the goal of motivating cadets to lead active, healthy lifestyles into their adult lives. To successfully complete the course, students are required to properly wear the uniform once a week and meet all uniform standards. The uniform will be provided free of charge and will be returned at the end of the year.

**Course ID:** 9601; ROTC 1; PES00004

**Campus Offered:** BW

### AIR FORCE JR. ROTC II

**Credit:** 1

**Prerequisites:** ROTC I.

This course is comprised of Aerospace Science, Leadership Education, Drill and Ceremonies, and Wellness. The Aerospace Science portion focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight aviation. The course is designed to complement materials taught in math, physics, and other science -related courses. Leadership Education stresses communication skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. The Drill and Ceremonies provides an in-depth introduction to drill and ceremonies, elements of military drill, and protocol for military events. Wellness is an exercise program with the goal of motivating cadets to lead active, healthy lifestyles into their adult lives. To successfully complete the course, students are required to properly wear the uniform once a week and meet all uniform standards. The uniform will be provided free of charge and will be returned at the end of the year.

**Course ID:** 9602; ROTC 2; 03160200

**Campus Offered:** BW

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# Air Force Jr. ROTC

## AIR FORCE JR. ROTC III

**Credit:** 1

**Prerequisites:** ROTC I and 2.

This course is comprised of Aerospace Science, Leadership Education, Drill and Ceremonies, and Wellness. The Aerospace Science portion includes information in space science and space exploration. The course covers the study of the space environment from the earliest days in astronomy and into modern astronomy. Additionally, it provides study of the Earth, Sun, Moon, Solar System, terrestrial and outer planets, issues critical to travel in the upper atmosphere, and the latest advances in space technology, robotics, and commercial uses of space. Leadership Education is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. Students will learn more on financial planning, how to explore career paths and increase their potential for success through education and how to apply for vocational or technical schools, college/university, and how to succeed in these learning environments. The Drill and Ceremonies provides an in-depth introduction to drill and ceremonies, elements of military drill, and protocol for military events. Wellness is an exercise program with the goal of motivating cadets to lead active, healthy lifestyles into their adult lives. To successfully complete the course, students are required to properly wear the uniform once a week and meet all uniform standards. The uniform will be provided free of charge and will be returned at the end of the year.

**Course ID:** 9603; ROTC 3; 03160300

**Campus Offered:** BW

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## AIR FORCE JR. ROTC IV

**Credit:** 1

**Prerequisites:** ROTC I, 2 and 3

This course is comprised of Aerospace Science, Leadership Education, Drill and Ceremonies, and Wellness. The Aerospace Science portion of this course is specifically created for the JROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. It introduces students to the world's cultures through history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Leadership education provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students with some necessary skills needed to put into practice to serve in leadership positions within the corps. These activities are based on real life experiences and will allow students the opportunity to practice what they learn by getting involved in discussions and expressing their opinions. The Drill and Ceremonies provides an in-depth introduction to drill and ceremonies, elements of military drill, and protocol for military events. Wellness is an exercise program with the goal of motivating cadets to lead active, healthy lifestyles into their adult lives. To successfully complete the course, students are required to properly wear the uniform once a week and meet all uniform standards. The uniform will be provided free of charge and will be returned at the end of the year.

**Course ID:** 9604; ROTC 4; 03160400

**Campus Offered:** BW

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## DRILL AND CEREMONIES

**Credit:** 1

**Prerequisites:**

The Drill and Ceremonies course provides an in-depth introduction to drill and ceremonies concentrating on the elements of military drill, and describes individual and group precision movements, procedures for drill, ceremonies, reviews, parades and development of the command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn and command drill teams. The course is required for all drill competition participants.

Participants will attend this course to practice and refine their drill movements in preparation for competition drill matches. All students must also enroll in a regular scheduled AFJROTC class in-conjunction with this class.

**Course ID:** 9605; DRILLS; LOCO9605

**Campus Offered:** BW

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## Air Force Jr. ROTC

### HONORS SENIOR PROJECT

**Credit:** 1

**Prerequisites:** Minimum 85% average in JROTC courses and minimum 80% average in all other courses, Senior and Aerospace Instructors permission/signature approval.

This culminating honors project is designed for senior cadets to demonstrate essential skills through reading, writing, speaking, production, and/or performance. Students are required to establish a leadership journal or personal portfolio and accomplish a major research project with a written report and formal presentation to a panel of faculty community team members. The project may be a research paper, scientific analysis or a student selected area of study, with approval, on a major service project with a written summary and personal reflection. Additionally, students are assigned a specific functional area of responsibility and are expected to perform their duties/responsibilities in addition to mentoring and leading other members of the organization. Students for this advanced leadership course serve as members of the AFJROTC cadet senior staff and apply leadership and management lessons from previous JROTC courses.

**Course ID:** 9607; H SRPR; LOCO9607

**Campus Offered:**

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## Other Courses

### AVID -- ADVANCEMENT VIA INDIVIDUAL DETERMINATION I, II, III, IV

**Credit:** 1 for each level

**Prerequisites:** Assignment by committee selection only.

Offers skill development in areas specifically designed for success in rigorous courses in the core content areas. Also includes analytical writing, time management, personal organization, and financial aid information and assistance.

**Course ID:** 9541; AVID1; N1290001 -- 9542; AVID2; N1290002 -- 9543; AVID3; N1290030 -- 9544; AVID4; N1290033

**Campus Offered:** BP

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### COLLEGE TRANSITIONS

**Credit:** .5

**Prerequisites:**

College Transitions (BC course Learning Frameworks PSYC 1300) is a dual credit course designed to equip students with the knowledge, skills, and abilities necessary to be active and successful learners both in high school and in college. Students will examine numerous research-based learning strategies that are proven to lead to academic success such as goal-setting, effective time management, handling stress, note-taking, active reading, test-taking strategies, and conducting research to name just a few.

**Course ID:** 9564; COLLTRAN; N1290050

**Campus Offered:** BC BP

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### COMMUNICATION SKILLS BASICS I - VI

**Credit:** 1 for each time taken

**Prerequisites:** Placement by committee only.

TEKS Based Speech instruction focusing on communication skills that will include specifically designed instruction applicable to functional needs to meet the individual learning requirements of students. (Meets MHSP Speech 1/2 Credit Requirement)

**Course ID:** 9020-9028; CSAPL; 9xxx9020-9xxx9028

**Campus Offered:** BP BW

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### INDEPENDENT LIVING I, II, & III

**Credit:** 1 for each time taken

**Prerequisites:** Placement by committee only.

Course provides information and skills necessary for daily living for supported/independent adult life. The course promotes wellness, nutrition, basic money management & community resource acquisition to meet the individual learning requirements of students. (1/2 credit meets MHSP Economics Requirement, 1/2 credit meets MHSP Health Requirement)

**Course ID:** 9050-9058; LNURTWEL; 13024500

**Campus Offered:** BP BW

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## Other Courses

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### INDEPENDENT LIVING IV, V, VI

**Credit:** 1 for each time taken

**Prerequisites:** Placement by committee only.

Course provides information and skills necessary for daily living for supported/independent adult life. The course promotes wellness, nutrition, basic money management & community resource acquisition to meet the individual learning requirements of students. Instruction occurs in community based post-secondary transition class based on student interest and strengths.

**Course ID:** 9050-9058; LNURTWEL; 13024500

**Campus Offered:** BP BW

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### PEER ASSISTANCE AND LEADERSHIP I, II

**Credit:** 1 for each level

**Prerequisites:** Selection Basis.

This course is a peer helping program in which selected high school students will be trained to work as peer facilitators with other students. Participants will be trained in a variety of helping skills which will enable them to assist other students in having a more positive and productive school experience.

**Course ID:** 9510; PAAL1; N1290005 -- 9520; PAAL2; N1290006

**Campus Offered:** BP BW

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### PEER COACHING I, II

**Credit:** 1

**Prerequisites:**

Students are provided instruction in developing skills to assist with other students. They work one-on-one, in small groups, or serve as a teacher's instructional aide at their home campus or other campuses. Placement at other campuses is possible with teacher permission and if transportation is available.

**Course ID:** 9551;PCOACH1; N1290044; 9552;PCOACH2;N1290045

**Campus Offered:** BP BW

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### PSAT/SAT/ACT PREPARATION

**Credit:** .5 (Local Elective Credit)

**Prerequisites:**

This course is a one-semester course designed to assist students in preparing to take college entrance exams. This class covers general test strategies and tips, practice tests/questions, software tutorials in appropriate subject areas, vocabulary enhancement, and college research. Students preparing for the PSAT/National Merit Scholar Qualifying Test (11th grade) should take this course during their 9th or 10th grade year.

**Course ID:** 9210; SAT/ACT; 85000921

**Campus Offered:** BP BW

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### SOCIAL STREAMING/ OPPORTUNITIES

**Credit:** 1 for each time taken

**Prerequisites:** Placement by committee only.

These courses provide instruction in a variety of appropriate social skills and self-regulation techniques based on specifically designed instructional needs of students. The instruction will target disruptive and inappropriate behaviors, identify replacement behaviors, and provide the opportunity for practice of appropriate behaviors across school settings.

**Course ID:** 9070-9078; PROFCOMM; 13009900

**Campus Offered:** BP BW

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### STUDENT LEADERSHIP

**Credit:** 1

**Prerequisites:** Grades 10-12. Student must hold a state of campus level office.

Foundations of Leadership allows the student to explore the concepts of leadership, service, communication, self-awareness and character in a rigorous academic setting. Emphasis is placed on personal application, analysis of concepts and the creation of philosophies and strategies relevant to the individual's circumstances and interests. Special attention is given to servant-leadership and social responsibility.

**Course ID:** 9530; N1290010; STULEAD

**Campus Offered:** BP BW

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## Other Courses

### TEACHER ASSISTANT

**Credit:** 1/2-1 (Local  
Elective Credit)

**Prerequisites:** Teacher/Supervisor approval.

Senior students are selected to assist staff, office personnel, and selected teachers to perform various duties. Students gain experience by helping to prepare and organize materials. This course will have limited enrollment. A teacher assistant may be assigned to assist department heads, those who teach a technology or lab-based course, office staff, librarians, nurses, and others as approved by the campus principal.

**Course ID:** 93XX (depending on assignment); TASSIST; 85000930

**Campus Offered:** BP BW

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### TRANSITION TO LIFE I,II, & III

**Credit:** 1-2

**Prerequisites:** Placement by committee only.

Course designed for upperclassmen (18+) to assist in the exploration of self-advocacy and skills necessary to be successful in their post-secondary life including agency exploration & collaboration. Instruction occurs in community based post-secondary transition class based on student interest and strengths.

**Course ID:** 9090-9098; GEMPLS; N1290060

**Campus Offered:** BP BW

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## Other Courses (VAC)

### COMMUNITY BASED VOCATIONAL INSTRUCTION IV, V, VI

**Credit:** 1 for each time  
taken

**Prerequisites:** Placement by committee only.

VAC Course focusing on the development of skills for transition to a supported work environment. Instruction occurs in community based post-secondary transition class based on student interest and strengths. (Referral Survey Required)

**Course ID:** 9040-9048; EXPCAR; 12700300

**Campus Offered:** BP BW

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### COMMUNITY BASED VOCATIONAL INSTRUCTION I, II, III

**Credit:** 1 for each time  
taken

**Prerequisites:** Placement by committee only.

VAC Course focusing on the development of skills for transition to a supported work environment. Course may involve instruction on campus or in community based on student interest and strengths. Intended to support transition into other school vocational programs (Referral Survey Required)

**Course ID:** 9040-9048; EXPCAR; 12700300

**Campus Offered:** BP BW

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### OCCUPATIONAL PREPARATION I

**Credit:** 1 for each level

**Prerequisites:** Placement by committee only.

VAC Course focusing on career education through development of skills for the work place based on the student's specifically designed instructional needs. The class includes vocational exploration through in class applications, survey and shadowing..(Referral Survey Required)

**Course ID:** 9000-9008; CAREERP1; 12701300

**Campus Offered:** BP BW

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### OCCUPATIONAL PREPARATION II

**Credit:** 1 for each level

**Prerequisites:** Placement by committee only.

VAC Course focusing on career education through development of skills for the work place based on the student's specifically designed instructional needs. The class includes vocational exploration through training. (Referral Survey Required)

**Course ID:** 9000-9008; CAREERP1; 12701300

**Campus Offered:** BP BW

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## Other Courses (VAC)

### WORK-BASED LEARNING I, II, III, & IV

**Credit:** Determined by committee

**Prerequisites:** Placement by Committee only.

VAC Course focusing on career education through development of skills for the work place based on the student's specifically designed instructional needs. The class includes vocational exploration through in class applications, survey and shadowing.. (Referral Survey Required)

**Course ID:** 9030-9038; CAREERP2; 12701400

**Campus Offered:** BP BW

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# Online Tools for Planning Your Future

Here are some websites to visit and research information about Careers, Colleges, Financial Aid and College Entrance Exams.

**Researching Careers:** When you do research, you need to look for the following information:

- How do your interests and abilities connect to a career?
- What college degrees, licenses, certifications or specialty training will you need for the career you want?
- How many years will it take you to get to the career you want?
- What is the job description of the career you are interested in? What will you be doing?
- What is the average starting salary of an entry level position?
- What opportunities for advancement will you have in this career? What are the benefits of this career?
- Where will you have to live for this career?
- What is the job outlook for the future in this career? Is it growing or dying?

## Career Websites:

Occupational Outlook Handbook	<a href="http://www.bls.gov/oco/">www.bls.gov/oco/</a>
O*net Online	<a href="http://www.onetonline.org/">www.onetonline.org/</a>
Mapping Your Future	<a href="http://mappingyourfuture.org/">http://mappingyourfuture.org/</a>
Career One Stop	<a href="http://www.careeronestop.org/StudentsandCareerAdvisors">www.careeronestop.org/StudentsandCareerAdvisors</a>
My Future	<a href="http://www.myfuture.com">http://www.myfuture.com</a>
Internet Career Connection	<a href="http://iccweb.com/index.html">http://iccweb.com/index.html</a>
Career Development Resources	<a href="http://www.cdr.state.tx.us">www.cdr.state.tx.us</a>
Career Explorer	<a href="http://www.careerexplorer.net">www.careerexplorer.net</a>
Career Coach at Brazosport College	<a href="http://www.brazosport.edu/careercoach">www.brazosport.edu/careercoach</a>
Naviance	

## Researching College Information:

When doing research for colleges, find out the following information:

- Information about campus tours or special orientations for prospective students
- Degrees and programs the college offers?
- What courses does that college require for the degree you are seeking?
- Application process- application, deadlines, requirements
- Admission Requirements- entrance exams, minimum scores, fee requirements
- Extra-Curricular activities- clubs, organizations, intramural sports
- Financial Aid and Scholarship information
- Average semester costs of attending
- Housing options- dorms or apartments
- On-campus dining- meal plan options
- Information about the city of the college
- Transportation- parking, shuttle bus

## College Information Websites:

Generation TX	<a href="http://gentx.org">http://gentx.org</a>
Big Future	<a href="http://www.bigfuture.org">www.bigfuture.org</a>
College View	<a href="http://www.collegeview.com">www.collegeview.com</a>
Fast Web	<a href="http://www.fastweb.com">www.fastweb.com</a>
Go College	<a href="http://www.gocollege.com">www.gocollege.com</a>
Think College	<a href="http://www.ed.gov/">www.ed.gov/</a>
Texas Colleges and Universities	<a href="http://www.window.state.tx.us/scholars/schools/">www.window.state.tx.us/scholars/schools/</a>
The Minnie Stevens Piper Foundation	<a href="http://www.everychanceeverytexan.org/about/scholars/">www.everychanceeverytexan.org/about/scholars/</a>
Texas Common Application	<a href="http://www.applytexas.org">www.applytexas.org</a>
Monster College	<a href="http://www.monstercollege.com">www.monstercollege.com</a>
Peterson's Guide	<a href="http://www.petersons.com">www.petersons.com</a>
Know How 2 Go	<a href="http://www.KnowHow2GO.org">www.KnowHow2GO.org</a>

### Researching Financial Aid and Scholarships:

- Financial Aid- all financial assistance given to students to attend college is financial aid.
- Scholarships- money given to students that doesn't have to be paid back.
- Grants- money that comes with some stipulations- may have to qualify for or participate in a specific program of study, may have to be paid back if student doesn't fulfill their obligation. (Pell Grant, TPEG Grant, Teach for Texas Grant)
- Student Loans- money loaned to students that has to be paid back with low interest. Subsidized- interest is paid while student is enrolled in school. Unsubsidized- interest has to be paid by the student while the student is enrolled. A re-payment plan is made for when the student is no longer a student and is employed in their career choice.
- Colleges give scholarship money to their own students- Fill out financial aid applications at the college you are thinking of going to. These are the biggest scholarships. Sometimes the financial aid deadline is before their application to the college. Do your research.
- Avoid Scholarship Scams. Do not pay anyone money to find scholarships for you. You can do the same searches. Do not pay an application fee for a scholarship application. That is a sign of a scam.

### Financial Aid and Scholarships Websites:

College for All Texans	<a href="http://www.collegeforalltexans.com">www.collegeforalltexans.com</a>
FAFSA	<a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a>
Federal Student Loans	<a href="http://www.collegeloan.com">www.collegeloan.com</a>
Fast Web	<a href="http://www.fastweb.com">www.fastweb.com</a>
The Minnie Stevens Piper Foundation	<a href="http://www.everychanceeverytexan.org/about/scholars/">www.everychanceeverytexan.org/about/scholars/</a>
Federal Student Aid Information Center	<a href="http://www.studentaid.ed.gov">www.studentaid.ed.gov</a>
Fin Aid	<a href="http://www.finaid.org/">www.finaid.org/</a>
College.gov	<a href="http://www.college.gov">www.college.gov</a>
Adventures In Education	<a href="http://www.AIE.org">www.AIE.org</a>
Next Step U	<a href="http://www.nextSTEPU.com">www.nextSTEPU.com</a>

### College Entrance Exams and Test Prep:

- Going to a 4-year college?
  - You will need the SAT or ACT, and possibly a subject area test.
  - Check the college's website for their entrance requirements and deadlines.
  - Register online by the deadline, late fees will apply after deadline.
  - Fee waivers are available for students who qualify for free or reduced lunch
- Going to a 2-year community college, junior college, or technical school?
  - You probably won't need the SAT or ACT.
  - Check the college's website for their entrance requirements and deadlines.
  - TSI (Texas Success Initiative) - Register at Brazosport College Testing Office.
  - You may be exempt from the THEA/Compass Test by your TAKS or SAT/ ACT scores.
- Going to an Armed Service Branch?
  - You need to talk to a recruiter from Army, Navy, Air Force, Marines, or Coast Guard to see what criteria they have, to see what benefits they are offering, and to get signed up.
  - You will need to take the ASVAB.

### College Entrance Exams and Test Prep Websites:

The College Board (PSAT, SAT, test prep)	<a href="http://www.collegeboard.org">www.collegeboard.org</a>
ACT Testing	<a href="http://www.actstudent.org">www.actstudent.org</a>
Number 2	<a href="http://www.number2.com">www.number2.com</a>
Princeton Review	<a href="http://www.princetonreview.com/college/free-sat-practice-test.aspx">www.princetonreview.com/college/free-sat-practice-test.aspx</a>
4 Tests	<a href="http://www.4tests.com">www.4tests.com</a>
Test Prep Review	<a href="http://www.testprepreview.com/sat_practice.htm">www.testprepreview.com/sat_practice.htm</a>
March 2 Success	<a href="http://www.march2success.com/index.cfm">www.march2success.com/index.cfm</a>
Test Guide	<a href="http://www.test-guide.com/">www.test-guide.com/</a>
Internet 4 classrooms	<a href="http://www.internet4classrooms.com/act_sat.htm">www.internet4classrooms.com/act_sat.htm</a>

## Timeline for College and Career Planning

### Every Year- 9<sup>th</sup> -12<sup>th</sup> grade

<b>Fall</b>	<ul style="list-style-type: none"> <li>Review your high school courses. Take the most challenging courses that you can. Colleges and scholarship committees want to see challenging coursework and good grades. To be ready for college, you need to take courses that not only count for graduation, but also prepare you for college coursework.</li> <li>Get signed up for “Student Portal” and “Parent Portal”- These resources help students and parents watch for problems and keep up with attendance, assignments and grades.</li> <li>Develop good work habits. Use planners, calendars, folders or other methods to keep you organized. Do all assignments on time, get make up work when absent, and get help from teachers in tutorials.</li> <li>Keep up your grades, and watch your attendance so that you receive all your credits for this year. Credits lost will have to be retaken.</li> <li>Fill out the application for the federal lunch program each year. If you qualify for free or reduced lunch, you can receive fee waivers for PSAT/SAT/ ACT tests and college application fees.</li> <li>Get involved in extracurricular activities. Colleges and scholarship committees look for students that participate in academic and non-academic activities like clubs, sports, CTE organizations, fine arts, FFA, etc. Including outside of school activities like sports, community groups, or church youth groups.</li> </ul>
<b>Spring</b>	<ul style="list-style-type: none"> <li>Do some career exploration. Research careers. Talk to people who are working in a field you are interested in. Collect career information in a small binder or folder.</li> <li>Do well on your state assessments. The STAAR/EOC tests count for graduation and the scores are reported on your transcript.</li> <li>Be aware of your GPA. GPA is your grade point average of each semester grade. Look at your semester report card and average your grades. Your GPA starts in 9<sup>th</sup> grade.</li> <li>Plan your courses for the next school year. Take challenging courses and courses that prepare you for college and careers. Pre-AP and advanced classes, AVID and CTE courses are great electives that teach college and career preparation information.</li> </ul>
<b>Summer</b>	<ul style="list-style-type: none"> <li>Investigate summer enrichment programs such as science or math camps. Check out the offerings at our local college for summer enrichment.</li> <li>Talk to your parents or guardians about your plans to attend college. Have open conversations about careers, college degrees, colleges, living arrangements, money and financial planning.</li> <li>Read! - Read newspapers and current events. Be aware of city, state, national, and world news. Become informed. Read any required summer reading for next year’s classes.</li> <li>Volunteer. Summer is a great time to volunteer for community service projects. Colleges and scholarship committees both like to see a student volunteers. Give back. Local food banks, churches, city and civic organizations are good places to look for opportunities to volunteer.</li> </ul>

### Freshman Year- 9<sup>th</sup> grade

<b>Fall</b>	<ul style="list-style-type: none"> <li>See above for things to do every year in High School.</li> <li>Sign up for the PSAT given in October. This is an opportunity for you to see what entrance exams are like and see how you compare to students nationally.</li> </ul>
<b>Spring</b>	<ul style="list-style-type: none"> <li>Work on test prep skills. SAT and ACT both offer free test prep resources on their websites. Sign up for the “Question of the Day” and work on vocabulary improvement.</li> </ul>
<b>Summer</b>	<ul style="list-style-type: none"> <li>See above for things to do every year in High School.</li> </ul>

### Sophomore Year- 10<sup>th</sup> grade

<b>Fall</b>	<ul style="list-style-type: none"> <li>See above for things to do every year in High School</li> <li>Sign up for the PSAT given in October. This is an opportunity for you to see what entrance exams are like and see how you compare to students nationally.</li> </ul>
<b>Spring</b>	<ul style="list-style-type: none"> <li>Consider taking dual credit courses. As a sophomore you can take the Brazosport College course “Learning Frameworks” in the spring of your sophomore year. You must take this course before any other dual credit courses.</li> <li>Work on test prep skills. SAT and ACT both offer free test prep resources on their websites. Sign up for the “Question of the Day” and work on vocabulary improvement.</li> </ul>

## Junior Year- 11<sup>h</sup> grade

<b>Fall</b>	<ul style="list-style-type: none"><li>• See above for things to do every year in High School</li><li>• Sign up for the PSAT/NMSQT given in October. This is an opportunity for you to see what entrance exams are like and see how you compare to students nationally. Juniors may qualify for National Merit scholarships if you score well compared to other test takers nationally.</li><li>• Seek leadership opportunities. Become an officer in your clubs and student organizations. Run for Student Council. Colleges look for students that are in leadership roles and activities.</li></ul>
<b>Spring</b>	<ul style="list-style-type: none"><li>• Research careers. Begin to research what training and education is required for your desired career options- degrees, certifications, licenses. Keep information in a binder or folder.</li><li>• Research colleges. Which colleges offer the degree you want? What is the application process? Go visit the college campus in the spring or summer. Gather information on about 5 or 6 possible colleges that you'd consider. Keep information in a binder or folder.</li><li>• Take the ACT or SAT for the first time. See your counselor for help and ask about the possibility of getting a fee waiver to help with the cost of the exam. See the testing websites for practice tests.</li><li>• Take AP exams for courses that you are taking. You can receive college credit if you do well.</li><li>• Attend Career Fair and College Night events offered in our area. Ask questions and gather helpful information from the presenters.</li><li>• Do well on the state assessments. They count for a graduation requirement and the scores are reported on your transcript.</li></ul>
<b>Summer</b>	<ul style="list-style-type: none"><li>• Create a resume' for yourself. Include academic information, extracurricular activities, leadership roles, job experiences, and volunteer and community service projects. Include any achievements, awards, or honors you have received.</li><li>• Begin the process of completing college applications. Many are completed online. Check for deadlines and requirements for application including: fees, essays, test scores, transcripts. Make a to-do list with deadlines and stay organized. Narrow down your choices.</li><li>• Consider taking a dual credit course in the summer. Dual credit courses allow you to get high school credit for taking a college course. You also complete a college credit early.</li><li>• Consider getting a job or an internship for valuable work experience in a field that interests you.</li></ul>

## Senior Year- 12<sup>th</sup> grade

<b>Fall</b>	<ul style="list-style-type: none"><li>• See above for things to do every year in High School</li><li>• Boys- Register for the Selective Service before you turn 18 years old. You will not be able to receive federal financial aid and grants if you are not registered.</li><li>• Complete college applications for universities. Check deadlines. Many will have early and regular application deadlines early in the fall. Meet the early registration deadlines if possible.</li><li>• Complete the scholarship and financial aid applications for colleges and universities. Many will have deadlines in the fall. These are for scholarships from that college.</li><li>• Go on a college visit. Attend the college's special orientation days for prospective students. Look at the college's website for information and dates.</li><li>• Retake the ACT or SAT. This is an opportunity for you to improve your scores if you need to. Also take any SAT subject area tests if required by your college.</li></ul>
<b>Spring</b>	<ul style="list-style-type: none"><li>• Complete the FAFSA or TASFA applications after January 1<sup>st</sup> and after your parents file income tax returns. FAFSA is for federal financial aid (if you have a social security number), and TASFA is for the state of Texas' financial aid programs (if you do not have a SS number.)</li><li>• Complete any and all local scholarships that you can. Be sure to represent yourself well in the application. Have someone proofread it for you. Always turn things in by the deadline. Send thank you notes to those who have helped you and written letters for you.</li><li>• Watch for acceptance letters in the mail. Make a decision of which college you will attend. Pay deposits. Compare the financial aid at each college. Write to the college you have chosen to attend and officially accept. Notify the other colleges that have accepted you to decline (allowing them to offer that spot for admission to another student).</li><li>• Finalize college-housing arrangements for on campus dorms or off campus apartments. Housing spots fill up and if you do not get one reserved, you may have trouble finding housing.</li><li>• Graduate with the best ranking possible. Make sure you finish well.</li></ul>
<b>Summer</b>	<ul style="list-style-type: none"><li>• Pick up your diploma and copies of your final transcript to send off to your college.</li><li>• See an academic advisor at the college you will be attending and register for classes early. Register for and attend summer orientation programs in at your college for incoming freshmen.</li><li>• Consider taking a college course in the summer to get ahead.</li></ul>

# Brazosport Independent School District

## 2016-2017 Educational Planning Guide

Co-Chairperson, Clara Sale-Davis, Chief Academic Officer

Co-Chairperson, Tracie Phillips, Executive Director of Administrative Services

Janice Constantine, Administrative Assistant	Mariannella Moore, Director of Language Acquisition	Rita Pintaville, Principal Brazoswood High School
Jennifer Edenfield, Director of CTE	Jenna Clements, Science Coordinator	Lisa Koonce, Lead Counselor Brazoswood High School
Lowell Good, CTE Counselor, Brazoswood High School	Kathleen Lindsey, ELA Coordinator	Jennifer Gonzalez, Principal Brazosport High School
CTE Counselor, Brazosport High School	Sandra Consilio, Math Coordinator	Cindy Kaale, Lead Counselor Brazosport High School
Lorin Furlow, Director of Special Services	Chris Hutchison, Fine Arts Coordinator	Shirley Ermis, Systems Analyst
	Angela McCabe, Social Studies Coordinator	Charles Hawkins, Principal B*Success Academy

### NOTICE

It is the policy of Brazosport ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

Es normal de Brazosport ISD no discriminar por motivos de raza, color, origen nacional, sexo, impedimento o edad, en sus procedimientos de, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educación, de 1972, la ley de Discriminación por Edad, de 1975, según enmienda, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

It is the policy of Brazosport ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended. For information about your rights or grievance procedures, contact the Title IX Coordinator, Traci Phillips at 301 Brazoswood DR, Clute, Texas 77531, 979-730-7000 extension 12455 and/or the Section 504 Coordinator, Lorin Furlow at 301 W. Brazoswood DR, Clute, Texas 77531, 979-730-7000 extension 12951.

Es norma de Brazosport ISD no discriminar por motivos de raza, color, origen nacional, sexo, impedimento o edad, en sus procedimientos de empleo, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educación, de 1972, la ley de Discriminación por Edad, de 1975, según enmienda, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda. Para información sobre sus derechos o procedimientos para quejas, comuníquese con el Coordinador del Título IX, Traci Phillips en 301 W. Brazoswood DR, Clute, Texas 77531, 979-730-7000 extension 12455 y/o el Coordinador de la Sección 504, Lorin Furlow, en 301 W. Brazoswood DR, Clute, Texas 77531, 979-730-7000 extension 12951.

### ACCESS TO STUDENT RECORDS

The principal is the custodian of records for all students in the assigned school. The Superintendent is the custodian of records for students who have withdrawn or graduated.

Public Law 93-380 provides for protection of the rights and privacy of parents and students. The Brazosport Independent School District will abide by the provisions of this act by making available to parents (or eligible student) official records and files included in his/her cumulative record folder as provided by the law. Brazosport Independent School District will not release personally identifiable records or files of students without the permission of appropriate persons except as provided in the law.

### Public Notification of Nondiscrimination in Career and Technical Education

Brazosport ISD offers Career and Technical Education programs in Agriculture, Food, and Natural Resources, Architecture and Construction, Arts, A/V Technology, and Communication, Business Management and Administration, Finance, Health Science, Hospitality and Tourism, Human Services, Information Technology, Law, Public Safety, Corrections, and Security, Manufacturing, Marketing, Science, Technology, Engineering and Mathematics, Transportation, Distribution, and Logistics. Admission to these programs is based on open enrollment.

It is the policy of Brazosport ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

Brazosport ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact the Title IX Coordinator, Traci Phillips at 301 Brazoswood DR, Clute, Texas 77531, 979-730-7000 extension 12455 and/or the Section 504 Coordinator, Lorin Furlow at 301 W. Brazoswood DR, Clute, Texas 77531, 979-730-7000 extension 12951.

### Notificación Pública de No Discriminación en Programas Vocacionales

Brazosport ISD ofrece programas vocacionales en Agricultura, Alimentación y Recursos Naturales, Arquitectura y Construcción Arte, Tecnología A/V y Comunicación, Administración de Negocios y Gerencia, Finanzas, Ciencias de la Salud, Hotelería y Turismo, Servicios Humanos, Informática, Leyes, Seguridad Pública, Pública y Seguridad, Manufactura, Mercadotecnia, Ciencias, Tecnología, Ingeniería y Matemáticas, Transporte, Distribución y Logística. La admisión a estos programas se basa en inscripción abierta.

Es norma de Brazosport ISD no discriminar por motivos de raza, color, origen nacional, sexo, impedimento o edad, en sus procedimientos de empleo, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educación, de 1972, la ley de Discriminación por Edad, de 1975, según enmienda, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

Brazosport ISD tomará las medidas necesarias para asegurar que la falta de habilidad en el uso del inglés no sea un obstáculo para la admisión y participación en todos los programas educativos y vocacionales.

Para información sobre sus derechos o procedimientos para quejas, comuníquese con el Coordinador del Título IX, Traci Phillips en 301 W. Brazoswood DR, Clute, Texas 77531, 979-730-7000 extension 12455 y/o el Coordinador de la Sección 504, Lorin Furlow, en 301 W. Brazoswood DR, Clute, Texas 77531, 979-730-7000 extension 12951.







## Brazosport Independent School District

### **Vision:**

Brazosport ISD... setting the standard for educational excellence

### **Mission:**

The mission of Brazosport ISD is to graduate each student to be future-ready

### **Beliefs:**

We believe every child deserves the highest quality education

We believe everyone is accountable for student success

We believe students find purpose through connections with their schools

We believe collaborative partnerships are vital to strengthening the learning experience

We value and support the contributions of our staff

### **Goals:**

BISD will provide a rigorous and relevant learning experience to ensure that every student will be future-ready

BISD learning environments will be safe and conducive to learning

BISD will promote, communicate and market the accomplishments, achievements and successes of students and staff

BISD will exercise fiscal responsibility to ensure financial strength and provide the resources to equip and maintain quality facilities and educational programming

BISD will recruit, develop, and retain highly effective staff

**Motto:**

