Brazosport Independent School District

Brazosport High School
Brazoswood High School

BISD Graduate Profile

- Be Future Ready for Global Citizenship
  - Effective Communicator
  - Respectful of Self, Others, and Community
  - Personally, Socially and Civically Responsible
  - Collaborator
  - Self & Service Minded
  - Cultural & Global Competence
  - Digitally Responsible

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

- Be Future Ready for Learning & Innovation
  - Self Directed Learner
  - Curious
  - Creative
  - Risk Taker
  - Social and Emotional Well Being
  - Flexible
  - Adaptable

Tradition Rich & Future Ready!
January 2020
Dear Parents, Guardians, and Students:

Brazosport Independent School District is excited to present the *Educational Planning Guide for 2020-2021*. The *Educational Planning Guide* provides information on courses available at our three outstanding high schools: Brazosport, Brazoswood, and the Brazos Success Academy. It is our desire that you work in partnership with your student, the counselors, and perhaps your administrators in designing an academic plan. The plan should be of high interest, challenging, and should provide enriching opportunities for career explorations. A successful high school path is the key to future success in workforce training, military readiness, and higher education. This publication links the selection of courses with possible career pathways that students may pursue following graduation. You are encouraged to give thoughtful planning to the course selections and to the type of program that would best support a desired career path that helps make education impactful to a student’s future.

In this publication there are five *endorsements* which are highlighted and include: Science, Technology, Engineering and Mathematics (STEM), Business and Industry, Public Services, Arts and Humanities, and Multidisciplinary Studies. Endorsements help create a personalized graduation plan that is aligned 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 *Educational Planning Guide* provides detailed information on the graduation while also providing information about dual credit, advanced placement opportunities, and early graduation.

We are committed to ensuring that each and every student in BISD learns at high levels and are future-ready! Best wishes for a wonderful high school experience.

Respectfully,

Brian Cole

Assistant Superintendent of Curriculum & Instruction
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**NOTE:** The Brazosport ISD educational planning guides are updated online periodically to reflect adjustments in local, state, and federal policies. The information in the current online planning guides supersedes any information shared in printed materials or previous online versions.
Graduation Requirements - House Bill 5 (HB5)

Classification 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

*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 70 or above, the student receives 1/2 credit or more. Students earn credits annually towards graduation requirements.

Coursework
House Bill 5 (HB 5), passed by the 83rd Texas Legislature and signed by the governor in June 2013, consists 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 foreign language credits other than English. The two foreign language credits may be substituted with two credits in computer programming language.

*Please understand that if you choose to utilize this option, these courses will count towards your high school graduation, but COULD affect the criteria for college acceptance; please verify that your post-secondary school will recognize these credits as your foreign language.

Students entering 9th Grade must choose from one of the following endorsements:
● Arts and Humanities (for further information, see page 8)
● Public Services (for further information, see page 8)
● Business and Industry (for further information, see page 9)
● Multidisciplinary Studies (for further information, see page 9)
● STEM (for further information, see page 10)

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, and .5 credits of Health (or Health Science Theory). Students entering high school in the 2017-2018 school year and beyond are required to complete 1 credit in Teen Leadership; which will fulfill the previously required .5 credit of Professional Communication and the .5 credit of Health. Students who arrive in district after their freshman year may substitute .5 credit of Professional Communication and the .5 credit of Health (or Health Science Theory) for 1 credit in Teen Leadership.
Testing
Students are required to pass five State of Texas Assessments of Academic Readiness (STAAR®) end-of-course exams to meet graduation requirements:

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

To graduate, a student must meet the Approaching Grade Level 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 the Approaching Grade Level Standard or above on any state required EOC assessment, the student must retake the assessment until an Approaching Grade Level 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/)

Physical Education Substitutions and Alternatives
According to EIF (Local), students may substitute certain physical activities and certain academic courses for the required one credit. These substitutions are recorded on the transcript (AAR) as PE substitution activities for which PE grades and PE credits are awarded. Brazosport ISD will allow students a PE substitution based on the physical activity involved in:

1. Band I-IV for students participating in Marching Band (0.5 credit per fall semester for a maximum of 1 credit). If a student earns a 70 or above for Band I-IV, then a “P” for “Passing” will be designated on the student’s transcript for the PE substitution credit. The PE substitution credit will not count in the student’s GPA.
2. Dance Team I-IV (0.5 credit per semester for a maximum of 1 credit). If a student earns a 70 or above for Dance Team I-IV, then a “P” for “Passing” will be designated on the student’s transcript for the PE substitution credit. The PE substitution credit will not count in the student’s GPA.
3. Cheerleading (0.5 credit per semester).
4. Athletics (0.5 credit per semester).
5. Air Force JROTC, (0.5 credit per semester).
6. Approved Alternative Physical Education Activities.
FAFSA/TASFA Completion
House Bill 3, passed by the 86th Texas Legislature in 2019 and signed by Governor Abbott, requires that “Before graduating from high school, each student must complete and submit a free application for federal student aid (FAFSA) or Texas application for state financial aid (TASFA).” This section of the bill goes into effect starting with the Class of 2022. There are three waiver options to the requirement. See your school counselor for waiver details.

Civilian Interaction Training Program
The Community Safety Education Act (SB 30), passed by the 85th Texas Legislature in 2017, mandates that high school students entering Grade 9 in the 2018-19 school year and after (prior to graduation), drivers, and members of law enforcement receive consistent training on the expectations that each should have during a contact between officers and motorists. The training program must include the following:

- the role of law enforcement and the duties and responsibilities of peace officers;
- person’s rights concerning interactions with peace officers;
- Proper behavior for civilians and peace officers during interactions;
- Laws regarding questioning and detention by peace officers, including any law requiring a person to present proof of identity to a peace officer, and the consequences for a person’s or officer’s failure to comply with those laws; and
- How and where to file a complaint against or a compliment on behalf of a peace officer.

Students in Brazosport ISD will receive this training while enrolled in Teen Leadership. If a student enrolls after their ninth grade year, the training will be provided to them prior to their graduation date. The date of completion of the training will be recorded on the student’s high school transcript.

CPR Instruction
Any student entering Grade 7 in the 2010-11 school year and after is required by The State Board of Education to receive instruction in cardiopulmonary resuscitation (CPR) prior to high school graduation. The instruction must include hands-on practice for CPR but does not need to result in a certification. Students in Brazosport ISD will receive this training while enrolled in Teen Leadership. If a student enrolls after their ninth grade year, the training will be provided to them prior to their graduation date. The date of completion of the training will be recorded on the student’s high school transcript.
Graduation Plan Overview for Student Entering High School in: Fall 2017 or Later

<table>
<thead>
<tr>
<th>Student Name: __________________________</th>
<th>ID: ___________</th>
<th>Expected Graduation Date: ________________</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Endorsement Selected:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>□ STEM</td>
<td>□ Business and Industry</td>
</tr>
<tr>
<td></td>
<td>□ Arts and Humanities</td>
<td></td>
</tr>
<tr>
<td></td>
<td>□ Public Services</td>
<td>□ Multi-Disciplinary Studies</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Foundation Plan - 22 Credits</th>
<th>With Endorsement - 26 Credits Total</th>
<th>Distinguished - Eligible for Top 10% Automatic Admission</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Language Arts - 4 Credits</strong></td>
<td></td>
<td>ALL REQUIREMENTS OF FOUNDATION PLAN PLUS</td>
</tr>
<tr>
<td>□ English I</td>
<td></td>
<td>□ Algebra II (must be one the student’s math credits)</td>
</tr>
<tr>
<td>□ English II</td>
<td></td>
<td></td>
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<tr>
<td>□ English III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ English IV or Advanced English</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics - 3 Credits</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Algebra I</td>
<td></td>
<td></td>
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<tr>
<td>□ Geometry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Advanced Math</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Social Studies - 3 Credits</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ World Geography or World History</td>
<td></td>
<td></td>
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<tr>
<td>□ US History</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Government (.5 Credit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Economics (.5 Credit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Science 3 - Credits</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ IPC, Chemistry, or Physics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Additional Advanced Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Foreign Language or Substitute - 2 Credits</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Year 1</td>
<td></td>
<td></td>
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<tr>
<td>□ Year 2</td>
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<td></td>
</tr>
<tr>
<td><strong>Fine Arts - 1 Credit</strong></td>
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<tr>
<td>□ __________________________</td>
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</tr>
<tr>
<td><strong>Physical Education - 1 Credit</strong></td>
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<td><strong>Electives - 5 Credits</strong></td>
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<tr>
<td>□ Teen Leadership</td>
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<tr>
<td>□ Elective 2 ________________</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Elective 3 ________________</td>
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<td></td>
</tr>
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<td>□ Elective 4 ________________</td>
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</tr>
<tr>
<td>□ Elective 5 ________________</td>
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**ALL REQUIREMENTS OF FOUNDATION PLAN PLUS**

**STEM**
- 1 Math or 1 CTE Math
- 1 Science or 1 CTE Science
- Elective 1 ________________
- Elective 2 ________________

**Business and Industry**
- 1 Math or 1 CTE Math
- 1 Science or 1 CTE Science
- Elective 1 ________________
- Elective 2 ________________

**Arts and Humanities**
- 1 Math or 1 CTE Math
- 1 Science or 1 CTE Science
- Elective 1 ________________
- Elective 2 ________________

**Public Services**
- 1 Math or 1 CTE Math
- 1 Science or 1 CTE Science
- Elective 1 ________________
- Elective 2 ________________

**Multidisciplinary Studies**
- 1 Math or 1 CTE Math
- 1 Science or 1 CTE Science
- Elective 1 ________________
- Elective 2 ________________

**Performance Acknowledgments - noted on diploma**
- Outstanding Performance in:
  - Dual Credit
  - Bilingualism and Bi-literacy
  - AP test or IB exam
  - PSAT, ACT Aspire, SAT or ACT
- State, National or International Business or Industry Certification or License

**STAAR EOC Checklist**
- English I
- English II
- Algebra I
- US History
- Biology

**Plans for the Future**

**Testing**
- PSAT
- SAT
- ACT

**College Readiness - TSI**
- Math __________
- Reading __________
- Writing __________

**Post-Secondary Applications**
- Brazosport College
- Apply Texas Application
- Common Application
- Military Recruiter
- Technical School

**Financial Aid**
- FAFSA / TAFSA
- Scholarships
The Six-Year Plan is intended to give you and your parent(s) / guardian(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.

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Foundation Credits</th>
<th>+ Endorsement Credits</th>
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<tr>
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<td>Math</td>
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<td>Social Studies</td>
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<td>LOTE</td>
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<td>Fine Arts</td>
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<td>Physical Education</td>
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<td>Teen Leadership</td>
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<tr>
<td>Electives</td>
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**Total Credits for Graduation**

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<tr>
<th>7th Grade</th>
<th>8th Grade</th>
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<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
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<tbody>
<tr>
<td>E</td>
<td>M</td>
<td>SC</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>SS</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>Credit</td>
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# Graduation Plan Overview for Student Entering High School in: Fall 2016

**Student Name:** ______________________  **ID:** __________  **Expected Graduation Date:** ________________

**Endorsement Selected:**
- [ ] STEM
- [ ] Business and Industry
- [ ] Arts and Humanities
- [ ] Public Services
- [ ] Multi-Disciplinary Studies

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<td>- English I</td>
<td>- Algebra II (must be one of the student’s math credits)</td>
<td></td>
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</tr>
<tr>
<td>- English II</td>
<td>- <a href="https://example.com">[Performance Acknowledgments - noted on diploma]</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- English III</td>
<td>- Outstanding Performance in:</td>
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<td>- Geometry</td>
<td>- PSAT, ACT Aspire, SAT or ACT</td>
<td></td>
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<tr>
<td>- Advanced Math</td>
<td>- <a href="https://example.com">[State, National or International Business or Industry Certification or License]</a></td>
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<tr>
<td>- Social Studies - 3 Credits</td>
<td>- STAAR EOC Checklist</td>
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<tr>
<td>- World Geography or World History</td>
<td>- English I</td>
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<tr>
<td>- US History</td>
<td>- English II</td>
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<tr>
<td>- Government (.5 Credit)</td>
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<tr>
<td>- Science 3 - Credits</td>
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<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>- Year 1</td>
<td>- US History</td>
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<td>- Year 2</td>
<td>- Biology</td>
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<tr>
<td>- Fine Arts - 1 Credit</td>
<td>- Physical Education</td>
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<td>- ___________________________</td>
<td>- Physical Education</td>
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<tr>
<td>- Physical Education - 1 Credit</td>
<td>- Multidisciplinary Studies</td>
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<td>- ___________________________</td>
<td>- 1 Math or 1 CTE Math</td>
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<td>- Electives - 5 Credits</td>
<td>- 1 Science or 1 CTE Science</td>
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<td>- .5 Speech &amp; .5 Health</td>
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<td>- Elective 2 __________________</td>
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<td>- Elective 1 __________________</td>
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<td>- Elective 2 __________________</td>
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<td>- Elective 3 __________________</td>
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<tr>
<td>- Elective 2 __________________</td>
<td>- Elective 2 __________________</td>
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**Plans for the Future**

- **Testing**
  - PSAT
  - SAT
  - ACT
- **College Readiness - TSI**
  - Math __________
  - Reading __________
  - Writing __________
- **Post-Secondary Applications**
  - Brazosport College
  - Apply Texas Application
  - Common Application
  - Military Recruiter
  - Technical School
- **Financial Aid**
  - FAFSA / TAFSA
  - Scholarships
The Six-Year Plan is intended to give you and your parent(s) / guardian(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.

Graduation Plans 2015 and 2016

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Foundation Credits</th>
<th>+ Endorsement Credits</th>
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<tbody>
<tr>
<td>English</td>
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<tr>
<td>Math</td>
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<td>Science</td>
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<td>1</td>
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<td>Social Studies</td>
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<td>LOTE</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>Health</td>
<td>.5</td>
<td></td>
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<tr>
<td>Professional Communication</td>
<td>.5</td>
<td></td>
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<tr>
<td>Electives</td>
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<td>2</td>
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<tr>
<td>Total Credits for Graduation</td>
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<td>26</td>
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Pathway:
- ___ Arts and Humanities
- ___ Business and Industry
- ___ Multidisciplinary Studies
- ___ Public Services
- ___ STEM

Endorsements:
- ___ Arts and Humanities
- ___ Business and Industry
- ___ Multidisciplinary Studies
- ___ Public Services
- ___ STEM

My Post High School plan will take me to:
(Call as many as apply)
- ___ Two Year College
- ___ Technical Training
- ___ Four Year College
- ___ Employment
- ___ Military
- ___ Other: ______________________

My Graduation Plan Type is:
- ___ Foundation
- ___ Foundation with Endorsement
- ___ Distinguished Level of Achievement
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 (EX: 2 years of Spanish & 2 years of French), or
- Option 4: Four levels of American Sign Language, 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

Public Service Endorsement

A student can earn a Public Services 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 and 130). Two courses must be in the same career cluster and one must be an 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
  - Health Services

- Option 2: Four courses in Junior Reserves Officers’ Training Corp (JROTC).
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 must be an 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
  - Manufacturing
- Option 2: Four English elective credits (Chapter 110) by selecting three levels in one of the following areas:
  - Public Speaking/Debate
- 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 either 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.
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 must be an 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).
- **Option 5:** A coherent sequence of four credits in computer science. The courses offered are:

<table>
<thead>
<tr>
<th>Prior to Entering 2018-19 School Year:</th>
<th>Entering 2018-19 School Year or Later:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science I</td>
<td>Computer Science Essentials</td>
</tr>
<tr>
<td>AP Computer Science A</td>
<td>AP Computer Science Principles</td>
</tr>
<tr>
<td>Discrete Mathematics for Computer Science</td>
<td>AP Computer Science A (2 credits)</td>
</tr>
</tbody>
</table>
Distinguished Level of Achievement & Performance Acknowledgments

Students who wish to graduate with the Distinguished Level of Achievement must complete:
All Foundation Plan requirements plus the following:
● 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 Level of Achievement may also receive Performance Acknowledgments that are designated on the student’s transcript for the following accomplishments:

A. Dual Credit:
   i. At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0; or
   ii. An associate degree while in high school.

B. Bilingualism and Biliteracy:
   a. A student may earn a performance acknowledgment by demonstrating proficiency in two or more languages by:
      i. Completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and
      ii. Satisfying one of the following:
         1. Completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
         2. Demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
         3. Completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or
         4. Demonstrated proficiency in one or more Languages Other Than English through one of the following methods:
            a. Score 3 or higher on an Advanced Placement exam for a Language Other Than English; or
            b. Score 4 or higher on an International Baccalaureate exam for a higher level Language Other Than English course; or
            c. Performance on a national assessment of language proficiency in a Language Other Than English of at least Intermediate High.
            d. 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:
i. Participated in and met the exit criteria for a bilingual or ESL program; and

ii. Scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

C. Advanced Placement test or International Baccalaureate examination by earning:
   i. A score of 3 or above on a College Board Advanced Placement examination; or
   ii. A score of 4 or above on an International Baccalaureate examination.

D. PSAT, the ACT Aspire, the SAT, or the ACT by:
   i. Earning 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;
   ii. Achieving the college readiness benchmark score on at least three of the five subject tests on the ACT Aspire exam; or
   iii. Earning a total score of at least 1310 on the SAT; or
   iv. A composite score on the ACT exam (without writing) of 28.

E. Earning a state, nationally or internationally recognized business or industry certification or license with:
   i. Performance on an examination sufficient to obtain a state, nationally or internationally recognized business or industry certification.
   ii. Performance on an examination sufficient to obtain a government-required credential to practice a profession.
Career and Technical Education

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.

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 marketable 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 (www.txcte.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.

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/guardians and school counselors. Teachers in a student’s chosen field can also provide valuable insight on career pathways.

What is a Coherent Sequence?

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

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

Suggested sequences are provided in this guide as examples within various pathways. Students are encouraged to take advantage of free career assessment software (EX: Xello), 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: www.tea.state.tx.us
- O*Net – My Next Move: www.mynextmove.org/
- Texas Workforce Commission: www.twc.state.tx.us
- Occupational Outlook Handbook: www.bls.gov/oco
- Texas-Career Alternative Evaluation System: www.texascaresonline.com
- Texas CTE Resource Center: www.txcte.org
Business & Industry Endorsement
Agriculture, Food, & Natural Resources

Principles of Agriculture, Food, & Natural Resources

- Ag Manufacturing Track
  - Ag Mechanics & Metal Technology
  - Agricultural Structures Design & Fabrication
- Floral Design Track
  - Floral Design
  - Advanced Floral Design
- Animal Science/Vet Track
  - Livestock Production
  - Veterinary Medical Applications
- Wildlife Track
  - Wildlife, Fisheries, & Ecology
  - Livestock Production

Practicum in Agriculture (2)

Optional Science: Advanced Animal Science
Business & Industry Endorsement
Architecture & Construction

Principles of Construction

Construction Track
- Construction Technology I (2)
- Construction Technology II (2)

Drafting Track (BC)
- Architectural Design I
- Architectural Design II (2)

Electrical Track (BC)
- Electrical Technology I
- Electrical Technology II (2)

Practicum in Construction Technology (2)
Business & Industry Endorsement
Arts, Audio/Video Technology, & Communication

Principles of Arts, Audio/Video Technology, Communication

Graphic Design Track
- Graphic Design & Illustration I (2)
- Graphic Design & Illustration II (2)
- Practicum in Graphic Design & Illustration (2)

Audio/Video Track
- Audio/Video Production I (2)
- Audio/Video Production II (2)
- Practicum in Audio/Video Production (2)

Printing Technology Track
- Printing & Imaging Technology I
- Printing & Imaging Technology II
- Practicum in Printing & Imaging Technology (2)

Photography Track
- Commercial Photography I
- Commercial Photography II
- Practicum in Commercial Photography (2)
Business & Industry Endorsement
Business Management & Administration

- Principles of Business, Marketing, & Finance
  - Business Track
    - Business Information Management I
    - Business Information Management II
  - Finance Track
    - Business Information Management I
    - Accounting I
  - Marketing Track
    - Business Information Management I
    - Entrepreneurship
  - Practicum in Business Management (2)
  - Medical Business Track
    - Medical Terminology & Touch System Data Entry (.5)
    - Business Information Management I
    - Health Informatics
    - Practicum in Business Management (2)
  - Optional Math: Financial Mathematics
Business & Industry Endorsement
Hospitality & Tourism

Introduction to Culinary Arts

Culinary Arts (2)

Advanced Culinary Arts (2)

Practicum in Culinary Arts (2)

Optional Science: Food Science
Business & Industry Endorsement
Manufacturing

- Principles of Manufacturing
- Introduction to Welding

- Welding Track
  - Welding I (2)
  - Welding II (3)

- Process Technology Track (BC)
  - Intro to Process Tech & Oil & Gas Production I

- Instrumentation Track (BC)
  - Manufacturing Engineering Tech I & AC/DC Electronics

- Industry Pipefitting Track (BC)
  - Plumbing Technology I
  - Oil & Gas Production Systems I & Digital Electronics

- Machine Shop &/or Millwright Track (BC)
  - Precision Metal Manufacturing I (2)
  - Precision Metal Manufacturing II (3)
Public Service Endorsement

Education & Training

- Principles of Education & Training
- Human Growth & Development
- Instructional Practices (2)
- Practicum in Education & Training (2)
Public Service Endorsement
Health Science
STEM Endorsement
Science, Technology, Engineering, & Mathematics

*To be implemented 2021-2022
Business & Industry Endorsement
Transportation, Distribution, & Logistics

- Principles of Manufacturing
- Automotive Technology I (BC) (2)
- Automotive Technology II (BC) (3)
- Practicum in Transportation Systems (BC) (2)
<table>
<thead>
<tr>
<th>Career Pathways</th>
<th>9th Year</th>
<th>10th Year</th>
<th>11th Year</th>
<th>12th Year</th>
<th>Campus</th>
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<td>Ag Mechanics &amp; Metal Technology</td>
<td>Ag Structures Design &amp; Fabrication</td>
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<td>BW, BP</td>
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<td>Wildlife</td>
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<td>Wildlife, Fisheries, &amp; Ecology</td>
<td>Livestock Production</td>
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<td>BW, BP</td>
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<td>Floral Design</td>
<td>Advanced Floral Design</td>
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<td>Electrical Technology I</td>
<td>Electrical Technology II</td>
<td>Practicum in Construction</td>
<td>BW, BP, BC</td>
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<td>Architectural Design I</td>
<td>Architectural Design II</td>
<td>Practicum in Construction</td>
<td>BW, BP, BC</td>
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<td>Construction Tech I</td>
<td>Construction Tech II</td>
<td>Practicum in Construction</td>
<td>BW, BP</td>
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<td>Graphic Design</td>
<td>Principles of Arts, A/V Technology, &amp; Communication</td>
<td>Graphic Design I</td>
<td>Graphic Design II</td>
<td>Practicum in Graphic Design</td>
<td>BW, BP</td>
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<td>Video Production</td>
<td>Principles of Arts, A/V, Technology, &amp; Communication</td>
<td>Audio/Video Production I</td>
<td>Audio/Video Production II</td>
<td>Practicum in Audio/Video Production</td>
<td>BW, BP</td>
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<td>Principles of Business, Marketing, &amp; Finance</td>
<td>Business Information Management I</td>
<td>Business Information Management II</td>
<td>Practicum in Business</td>
<td>BW, BP</td>
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<td>Business Information Management I</td>
<td>Accounting I</td>
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<td>Business Information Management I</td>
<td>Entrepreneurship</td>
<td>Practicum in Business</td>
<td>BW, BP</td>
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<td>Medical Business</td>
<td>Medical Terminology &amp; Touch System</td>
<td>Business Information Management I</td>
<td>Health Informatics</td>
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<td>BW, BP</td>
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<td>Culinary Arts</td>
<td>Introduction to Culinary Arts</td>
<td>Culinary Arts</td>
<td>Advanced Culinary Arts</td>
<td>Practicum in Culinary Arts</td>
<td>BW, BP</td>
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<td>Instrumentation</td>
<td>Principles of Manufacturing</td>
<td>Intro to Welding</td>
<td>Manufacturing Engineering Tech I &amp; AC/DC Electronics</td>
<td>Oil &amp; Gas Production Systems I &amp; Digital Electronics</td>
<td>BW,BP,BC</td>
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<tr>
<td>Process Technology</td>
<td>Principles of Manufacturing</td>
<td>Intro to Welding</td>
<td>Intro to Process Tech &amp; Oil &amp; Gas Production Systems I</td>
<td>Oil &amp; Gas Production Systems II &amp; Petrochem Safety, Health, &amp; Environment</td>
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<td>Intro to Welding</td>
<td>Welding I</td>
<td>Welding II</td>
<td>BW, BP, BC</td>
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<td>Industry Pipefitting</td>
<td>Principles of Manufacturing</td>
<td>Intro to Welding</td>
<td>Plumbing Technology I</td>
<td>Plumbing Technology II</td>
<td>BW, BP, BC</td>
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<tr>
<td>Machine Shop &amp;/or Millwright</td>
<td>Principles of Manufacturing</td>
<td>Intro to Welding</td>
<td>Precision Metal Manufacturing I</td>
<td>Precision Metal Manufacturing II</td>
<td>BW, BP, BC</td>
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<td>Education</td>
<td>Principles of Education &amp; Training</td>
<td>Human Growth &amp; Development</td>
<td>Instructional Practices</td>
<td>Practicum in Education &amp; Training</td>
<td>BW, BP</td>
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<td>Health Science Clinical Track</td>
<td>Medical Terminology</td>
<td>Principles of Health Science</td>
<td>Health Science Theory/Clinical</td>
<td>Practicum in Health Science</td>
<td>BW, BP</td>
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<td>Health Science Non-Clinical Track</td>
<td>Medical Terminology</td>
<td>Principles of Health Science</td>
<td>Health Science Theory/Medical Microbiology</td>
<td>Pathophysiology</td>
<td>BW, BP</td>
</tr>
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<td>Cybersecurity</td>
<td>Fundamentals of Computer Science</td>
<td>AP Computer Science Principles</td>
<td>AP Computer Science A</td>
<td>Cybersecurity*</td>
<td>BW, BP</td>
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<tr>
<td>Engineering</td>
<td>Introduction to Engineering Design</td>
<td>Engineering Science</td>
<td>Digital Electronics</td>
<td>Engineering Design &amp; Problem Solving*</td>
<td>BW, BP</td>
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<tr>
<td>Robotics</td>
<td>Introduction to Engineering Design</td>
<td>Robotics I</td>
<td>Robotics II</td>
<td>Engineering Design &amp; Problem Solving- Robotics III</td>
<td>BW, BP</td>
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<td>Automotive</td>
<td>Principles of Manufacturing</td>
<td>Automotive Technology I</td>
<td>Automotive Technology II</td>
<td>Practicum in Transportation Systems</td>
<td>BW,BP,BC</td>
</tr>
</tbody>
</table>

**Campus**

- BW-Brazoswood High School
- BP- Brazosport High School
- BC- Brazosport College

*To be implemented 2021-2022*
<table>
<thead>
<tr>
<th>Career Pathway</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Science</td>
<td>Beef Quality Assurance, Hunter’s Ed &amp; Boater Safety</td>
</tr>
<tr>
<td>Construction</td>
<td>NCCER Core, NCCER Carpentry, OSHA-10</td>
</tr>
<tr>
<td>Business</td>
<td>Microsoft Office Specialist &amp; Expert</td>
</tr>
<tr>
<td>Culinary Arts</td>
<td>ServSafe Manager Certification, ProStart Certification</td>
</tr>
<tr>
<td>Veterinary Science</td>
<td>Level 1 Veterinary Assistant</td>
</tr>
<tr>
<td>Welding</td>
<td>NCCER Core, NCCER Welding Level 1, AWS D1.1, AWS D9.1, OSHA-10, API Welding</td>
</tr>
<tr>
<td>Floral Design</td>
<td>Texas State Floral Design Certification Level 1 &amp; Level 2</td>
</tr>
<tr>
<td>Arts, A/V, Technology, &amp; Communication</td>
<td>Adobe Certified Associate</td>
</tr>
<tr>
<td>Health Science</td>
<td>First Aid/CPR, Phlebotomy, EKG, Clinical Medical Assistant, Patient Care, Billing &amp; Coding</td>
</tr>
<tr>
<td>Education</td>
<td>Child Development Associate</td>
</tr>
<tr>
<td>Robotics</td>
<td>Federal Aviation Association 107 Drone</td>
</tr>
</tbody>
</table>
Students can earn a half credit for each semester course and a whole credit for a year-long course. Students traditionally earn 8 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 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 $35.00 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 $35.00 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, the University of Texas distance learning program, and Edgenuity.
- 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/guardians assume the cost of taking courses outside of their regular high school schedule. Students and parents/guardians 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.

**Brazos Success Academy (BSA)**

Brazos Success Academy offers students an opportunity to accelerate credit toward graduation through traditional and non-traditional credit (NTC) options. Students are able to complete curriculum through both blended and online instruction.

The goal of Brazos Success Academy is to support the BISD Beliefs, Vision, and Mission by providing opportunities for students to access accelerated curriculum in order to gain course credits to join their cohort classmates at graduation or graduate early from Brazos Success Academy.

The Brazos Success Academy aligns with the district scope and sequence. The school has certified teachers in the four content areas (English, Math, Science, and Social Studies) who work with students each day to help them gain credits.
Academic Programs at Brazos Success Academy:

- **B-Inspired-9th grade program to help students gain credit to be with their cohort:** The B-Inspired program helps 9th grade students who have not gained sufficient core credits to receive traditional and non-traditional credit recovery instruction to complete two years’ worth of credits in one year’s time. This will enable students to return to their home campus as juniors and on track for graduation with their peers.
  - **Eligibility:** Students who have not gained sufficient credits in their four core academic courses as freshmen are invited to Brazos Success Academy. Students will be working on an accelerated instructional plan in order to complete credits at a pace more quickly than what is possible at their home campuses.

- **School of Choice:** Brazos Success Academy offers students who are looking for something different or more flexible than the traditional high school model. They realize the benefits of high school graduation and want to accelerate their education to access opportunities beyond high school. Students who are on track to graduate but are looking for an alternative high school can apply/interview at the end of their freshman year for available positions for the upcoming school year. Students in sophomore, junior, or senior years may also apply throughout the year for available spots in the upcoming semester or year.

- **Night School:** Brazos Success Academy offers night school for students who are at or near 19 credits and have met all EOC assessment requirements. It is intended for students who work or have other obligations during the day so that students can still complete their high school diploma requirements. All Brazos Success Academy students may attend night school to further their progress toward graduation. Night school is Monday - Thursday from 5:00 - 8:00 pm.

Application Process - Students can begin the application process at their home campus for Brazos Success Academy. Students will be selected based on ability to meet student needs, to provide services, and availability of space. Home campuses will work collaboratively with Brazos Success Academy counselor and principal.
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, Division II, and Division III sports can be found on the NCAA website at www.eligibilitycenter.org. When taking the 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. Students wanting to participate in Division III sports or who are undecided should create a profile page on the website. 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 for more information.

Student athletes should work with their campus counselor to enroll in courses that will count toward NCAA core course eligibility. Students should be aware that online courses (such as Edgenuity), credit recovery courses, correspondence courses, and credit by exam may not count toward core course eligibility for NCAA.

### GRADUATION AND SPECIAL EDUCATION

Students with disabilities earn the same diploma as all students. The ARD committee determines:

- Course of Study (4 Year Plan with guidance from counseling services)
- Appropriate Supports for Each Course (Accommodations/Modifications)
- Least Restrictive Environment for each Course
- Appropriate assessment based on what’s available and eligibility/participation requirements
- If the student will be required to pass the state assessment (all required EOCs) in order to graduate

These ARD committee determinations lead decision making about graduation for students with disabilities, based on the requirements and options available as outlined in the Commissioner’s Rules Concerning Special Education Services-Graduation Requirements (TAC §89.1070) and the Individual Graduation Committee (SB 149).
Advanced Placement (AP) and Honors classes offer college and work preparation for students while they are still in high school. Students are encouraged to take AP 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 or Honors class are welcome to participate in those programs; however, students and parents/guardians 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 academic readiness on course related performance assessments, including STAAR, must receive principal or designee and parent/guardian permission to enroll in the advanced class. Students and parents/guardians 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 Advanced Placement courses are encouraged to take Honors classes as preparation for college level coursework.

Our goal is for students to be successful at the highest possible level. Honors/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 are more rigorous, include different types of assignments, and require additional outside reading. Resourceful, dedicated and trained Honors/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 Honors/AP students; therefore, please read and note the following criteria:

Student/Parent/Guardian Responsibilities:
- Students must demonstrate academic readiness on course-related performance assessments such as STAAR.
- AP and Honors 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.
- In order to be successful, students must commit to full participation and seek assistance when needed.
- Acceptance of late work in AP and Honors courses allows students one day to turn in late work. Additionally, a student will receive a grade of no higher than 70% on the late assignment.
- Students enrolled in an AP course are expected to take the AP test at the end of the course.
- Students must have parent/guardian permission and a signed contract to enroll and participate in an AP or Honors course.
The following guidelines/criteria will apply if a student is recommended for removal from an AP or Honors course:

- For all students making below a 70 average on any progress report for any nine week grading period, the teacher will contact the parent or guardian to discuss coursework and the expectations and requirements to continue in the AP or Honors course.
- A student whose grade for the first nine week grading period each semester falls below 60 shall be removed from the AP or Honors course and placed in a general level course, if a general level course is available. This is to ensure that the student earns credit for the semester. A student who fails the course and does not earn credit in the fall semester shall be removed from the AP or Honors course and placed in a general level course for the remainder of the year, if a general level course is available.
- A student making below a 75 average at the end of the third week of the semester may, upon request and parent/guardian approval, be placed in an appropriate level class for the remainder of the school year, provided space is available.
- A student may, upon request; transfer from an AP or Honors course to an appropriate level course at the end of any grading period, provided space is available. Teacher, administrator, and parent/guardian approval is required.
- Students who are enrolled in AP and Honors courses are responsible for maintaining the academic integrity of BISD by completing all assigned work without engaging in cheating, fraud, plagiarism, or prohibitive electronic assistance. A documented finding of academic dishonesty shall result in academic and disciplinary consequences as outlined in the BISD Academic Grading Regulation.
- Removal from an AP or Honors class will not prohibit a student from taking an AP or Honors class in the future.

Academic Considerations

Honors and AP 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) or Honors courses should be independent learners who demonstrate:

Motivation: Some students take Honors/AP classes because it is the best preparation for college, the workforce, and life after high school. Others take 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 Honors/AP 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:** Honors/AP 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 Honors/AP 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 their 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 Honors/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/guardians and counselors and strive to maintain balance between academic pursuits and a healthy lifestyle.

**Intellectual and Emotional Maturity:** Honors/AP 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 courses are still required to take and pass all required state testing as mandated by their graduation plan. Students in AP 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](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 Honors/AP Students:** The following guidelines are intended to apply to eligible special education and Section 504 students who enroll in Honors or AP courses. While Honors/AP courses are open to any student wishing to enroll, including special education and Section 504 students; counselors, parents/guardians, ARD Committees and Section 504 Committees should be aware that these are high-level academic classes. To be eligible for accommodations in a Honors/AP class, the student must be eligible for the same
accommodations in a non-Honors/AP classroom. The following guidelines shall be applicable to all special education and Section 504 students who enroll in Honors/AP courses:

1. Special Education or Section 504 students must have equal opportunity to participate in Honors or AP courses.

2. While ARD and Section 504 Committees may wish to consider Honors 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 Honors or AP classes. The student should be expected to be successful in a Honors 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

The Dual Credit Program allows students to earn credit for high school while also earning college credit at Brazosport College (BC). Students may register for pre-approved college courses taught at the high school or at the college campus, BC. Each student must meet BC admission requirements in order to register for classes.

In addition, the following shall also pertain:

- Any student who failed a BISD or BC course the prior semester will be put on probationary dual credit status. If another course is failed the following semester after this placement, the student will not be allowed to register for another semester of dual credit. ([Dual Credit - Probationary Status Form](#))
- Poor attendance will result in the student having to receive approval from the campus principal to register for the following semester. ([Dual Credit - Probationary Status Form](#))
- If any BISD student withdraws from a BC course AND DOES NOT notify their counselor within 5 school days of withdrawal, the student will be put on probationary dual credit status. If this action is repeated, then the student will not be allowed to re-enroll in dual credit the following semester. ([Dual Credit - Probationary Status Form](#))
- If a student withdraws from a BC course, they will assume all responsibility for any associated fees and tuition.

For the 2020-2021 school year, Brazosport ISD will pay tuition for all dual credit students up to 2 courses (6-8 credit hours) per semester during the Fall and Spring semester only. Summer dual credit tuition remains the responsibility of the student as does any tuition beyond the 2 courses covered per semester. **Students will be responsible for textbooks and other course fees.** Students are also responsible for tuition for any courses taken more than once. Tuition, fees, and textbooks for students accepted into the CATALYST program are paid for by Brazosport ISD.

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. To receive high school credit for a BC dual credit course, a student must earn a grade of 70 or higher. If only one of two college courses listed together (ie. ENGL 1301 and 1302) is completed, dual credit courses cannot be averaged with the equivalent high school course for semester averaging or to regain credit.

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.

A dual credit crosswalk is available after the course description section of the EPG.
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.

New BC Students: Complete the BC Application for Admission at www.applytexas.org. You should receive a BC student ID # and PIN # in your email within 48 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: (administered prior to March 2016): A minimum combined critical reading and mathematics score of 1070, with a minimum score of 500 on the mathematics test for a TSI exemption in math; a minimum combined critical reading and mathematics score of 1070, with a minimum score of 500 on the critical reading test for a TSI exemption in both reading and writing
- SAT: (administered on or after March 5, 2016): a minimum score of 530 on the Mathematics test for a TSI exemption in math (no combined score required); a minimum score of 480 on the Evidenced-Based Reading & Writing (EBRW) for a TSI exemption in both reading and writing (no combined score required)
- PSAT: 50 Critical Reading and/or 50 Math, with 107 total
- ACT: Math and/or English 19 with a composite score of 23
- STAAR: English II: 4000; Algebra I: 4000 and credit earned for Algebra 2
  - Before you can take the TSI Assessment you must complete the Application for Admission at www.applytexas.org and do the TSI Pre-assessment activity at 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, along with any other financial aid forms required by the BC Financial Aid Office.

Register in person at the college or online through myBC at www.brazosport.edu by the registration deadline for each semester. The myBC link is at bottom of the Brazosport College Homepage. Log in with your college ID# and college PIN.

Buy your books and pay tuition by the payment deadline, then start classes!

Questions? Contact: Darla Fagan, Brazosport H.S. (979)730-7260 ext. 24111 or at BC: (979) 230-3529 or email dflagan@brazosportisd.net or Darla.Fagan@brazosport.edu OR Gladys DeLaFuente, Brazoswood H.S. (979) 730-7300 ext. 15202 or at BC: (979) 230-3497 or email: gladys.delafluenta@brazosport.edu or gdelafuente@brazosportisd.net
WEIGHTED GRADES FOR DETERMINING GPA

The following table represents BISD’s current 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), as per BISD District policy EIC local. Only semester grades are weighted. 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 Honors, AP, and Dual Credit at either BC, weighted dual credit courses will be reported on report cards to parents/guardians 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). Dual Credit courses are offered through Brazosport College (BC). Note: Students may not receive high school credit for multiple courses covering similar curriculum. For example; A student cannot take both Dual Credit and AP United States History. Generally, the AP and Dual Credit levels of courses are considered equivalent. Students cannot take both levels for credit.

<table>
<thead>
<tr>
<th>Current Weighted Grades</th>
<th>Grade</th>
<th>Social Studies Courses</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English I, II, III Honors</td>
<td>1.05</td>
<td>Human Geography AP</td>
<td>1.10</td>
</tr>
<tr>
<td>English III AP (Language &amp; Composition)</td>
<td>1.10</td>
<td>United States History AP</td>
<td>1.10</td>
</tr>
<tr>
<td>English III &amp; IV – Brazosport College Dual Credit</td>
<td>1.10</td>
<td>United States History - Brazosport College Dual Credit</td>
<td>1.10</td>
</tr>
<tr>
<td>English IV AP (Literature &amp; Composition)</td>
<td>1.10</td>
<td>Psychology - Brazosport College Dual Credit</td>
<td>1.10</td>
</tr>
<tr>
<td>Humanities – Brazosport College Dual Credit</td>
<td>1.10</td>
<td>Psychology AP</td>
<td>1.10</td>
</tr>
<tr>
<td>Math Courses</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Geometry Honors (9th Grade)</td>
<td>1.05</td>
<td>World Geography Studies Honors</td>
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<tr>
<td>Algebra I and II Honors</td>
<td>1.05</td>
<td>World History AP</td>
<td>1.10</td>
</tr>
<tr>
<td>Pre-Calculus (per UIL)</td>
<td>1.00</td>
<td>Sociology - Brazosport College Dual Credit</td>
<td>1.10</td>
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<tr>
<td>Pre-Calculus Honors</td>
<td>1.05</td>
<td>Economics with Emphasis on the Free Enterprise System &amp; Its Benefits - Brazosport College Dual Credit</td>
<td>1.10</td>
</tr>
<tr>
<td>Statistics AP</td>
<td>1.10</td>
<td>Macroeconomics AP</td>
<td>1.10</td>
</tr>
<tr>
<td>Calculus (AB &amp; BC) AP</td>
<td>1.10</td>
<td>United States Government and Politics</td>
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</tr>
<tr>
<td>Statistics – Brazosport College Dual Credit</td>
<td>1.10</td>
<td>United States Government and Politics – Brazosport College Dual Credit</td>
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<tr>
<td>Quantitative Reasoning – Brazosport College Dual Credit</td>
<td>1.10</td>
<td>European History AP</td>
<td>1.10</td>
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<tr>
<td>SM – College Algebra / Fund. Of Math - Brazosport College Dual Credit</td>
<td>1.10</td>
<td>Comparative Government AP</td>
<td>1.10</td>
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<tr>
<td>SM – Finite Math / Business Calculus - Brazosport College Dual Credit</td>
<td>1.10</td>
<td>Microeconomics AP</td>
<td>1.10</td>
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<tr>
<td>SM – College Algebra for Calculus / Pre Calc. - Brazosport College Dual Credit</td>
<td>1.10</td>
<td>Special Topics in Social Studies: Texas Government – Brazosport College Dual Credit</td>
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<tr>
<td>SM – Calculus I / Calculus II - Brazosport College Dual Credit</td>
<td>1.10</td>
<td>Languages Other than English</td>
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<td>Science Courses</td>
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<tr>
<td>Anatomy &amp; Physiology</td>
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<td>French II Honors</td>
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<td>Biology Honors</td>
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<td>French III Honors</td>
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<td>Biology - Brazosport College Dual Credit</td>
<td>1.10</td>
<td>French IV AP (Language)</td>
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<td>German II Honors</td>
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<td>Chemistry Honors</td>
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<td>German III Honors</td>
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<td>Chemistry - Brazosport College Dual Credit</td>
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<td>German IV AP (Language)</td>
<td>1.10</td>
</tr>
<tr>
<td>Chemistry AP</td>
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<tr>
<td>Physics I AP</td>
<td>1.10</td>
<td>Spanish I - Brazosport College Dual Credit</td>
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</tr>
<tr>
<td>Physics II AP</td>
<td>1.10</td>
<td>Spanish II - Brazosport College Dual Credit</td>
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<tr>
<td>Physics C AP</td>
<td>1.10</td>
<td>Spanish II Honors</td>
<td>1.05</td>
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<tr>
<td>Physics (University &amp; College) - Brazosport College Dual Credit</td>
<td>1.10</td>
<td>Spanish III - Brazosport College Dual Credit</td>
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<td>Environmental Systems – Brazosport College Dual Credit</td>
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<td>Spanish IV - Brazosport College Dual Credit</td>
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<tr>
<td>Environmental Science AP</td>
<td>1.10</td>
<td>Spanish IV AP (Language)</td>
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<tr>
<td>Scientific Research and Design – Systems Go! (Rockets 1)</td>
<td>1.05</td>
<td>Spanish V AP (Literature)</td>
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<tr>
<td>Practicum of STEM – Systems Go! (Rockets 2)</td>
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<td>Engineering, Design and Problem Solving (Robotics III)</td>
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<td>Pathophysiology</td>
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<td>Medical Microbiology</td>
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<td>Other</td>
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<td>Studio Art - Drawing Portfolio, 2-D Portfolio, 3-D Portfolio AP</td>
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<td>AP Computer Science A</td>
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<td>AP Computer Science Principles</td>
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GPA EXEMPTIONS

1. Courses may be taken as GPA-exempt courses, but are limited to two courses per semester per student, Junior and Senior year only.

2. The student's intent to take a course on the GPA-exempt basis option must be declared within the first three weeks of each semester. This decision is final and cannot be rescinded.

3. The numerical grade earned on a GPA-exempt course shall be posted on the transcript with no grade points.

4. The courses will still fall under the no-pass-no-play guidelines

The intent to exempt the GPA is to increase/keep student participation in extracurricular programs that no longer provide viable credits to students, but assist in creating well-rounded individuals.

Areas allowed for a GPA exemption under this policy include

- Band, Color Guard, Winter Guard
- Choir
- Orchestra
- Athletics, Cheer, Drill Team
- Theater
- ROTC
- STUCO Leadership (not Teen leadership)
- Learning Frameworks
- Academic Prep Courses (ACT/SAT Prep, Science Olympiad, UIL Preparation)
- College Admissions Readiness and Preparation
- Senior Level CTE Practicums
The following advanced courses are eligible for exemption for extracurricular activity participation:

- All College Board Advanced Placement Courses in all disciplines.
- Dual Credit Courses in English, LOTE, Math, Science, and Social Studies only.
- Honors Courses in English, LOTE, Math, Science, and Social Studies only.

Regulations which relate to UIL and all other extracurricular activities sponsored or sanctioned by the school district are located at www.uiltexas.org.

<table>
<thead>
<tr>
<th>English Language Arts</th>
<th>Languages Other than English</th>
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<td>AP English Lit &amp; Comp 4</td>
<td>AP Spanish 4 &amp; 5</td>
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<td>Dual Credit College Algebra (BC)</td>
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<td>Dual Credit Fundamentals of Math (BC)</td>
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<td>Dual Credit College Algebra for Calculus (BC)</td>
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<td>Dual Credit Quantitative Reasoning (BC)</td>
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<td>Dual Credit Anatomy &amp; Physiology (BC)</td>
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<td>Dual Credit Chemistry (BC)</td>
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<td>Dual Credit Physics (College &amp; University) (BC)</td>
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<td>Dual Credit Environmental Systems (BC)</td>
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<td>Other AP/Dual Credit Courses</td>
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<td>AP Studio Art – Drawing Portfolio, 2-D Portfolio, 3-D Portfolio</td>
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<td>AP Capstone Research</td>
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<td>AP Computer Science Principles</td>
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<td>Dual Credit Learning Frameworks (BC)</td>
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CLASS RANK

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 3rd nine weeks of the senior year to identify honor graduates (including Valedictorian and Salutatorian) for senior awards ceremonies and commencement exercises. The 3rd nine weeks 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, who earned the distinguished level of achievement under the Foundation High School Program and whose grade average is 94.0 or above 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. As per BISD board policy, EIC Local: Grade point average (GPA) for class rank purposes shall be calculated using all credits earned in grades 9–12. All course credits, including, but not limited to, transfer, correspondence, distance learning, credit by examination, and dual/concurrent, shall receive a numerical value for calculation purposes. GPA for class rank shall be calculated according to the Educational Planning Guide in effect for the customary four-year graduating class. The top ten percent of the graduating class shall be identified strictly on the basis of GPA. A student who transfers into the District during his or her last four semesters and meets all GPA criteria shall be included in the top ten percent of the class.

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.
**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

**Resources:** See Instructor

**Campus Offered:** BP BW

**ENGLISH I HONORS**  
**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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** See Instructor

**Campus Offered:** BP BW

**ENGLISH II**  
**Credit:** 1

**Prerequisites:** English I.

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. Students also become more skilled in reading and evaluating short stories, novels, plays, and poetry.

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

**Resources:** See Instructor

**Campus Offered:** BP BW

**ENGLISH II HONORS**  
**Credit:** 1

**Prerequisites:** English I.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** See Instructor

**Campus Offered:** BP BW

**ENGLISH III**  
**Credit:** 1

**Prerequisites:** English II.

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

**Resources:** See Instructor

**Campus Offered:** BP BW
## ENGLISH III DUAL CREDIT

**Prerequisites:** English II.

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. This course can count as English III if the student has met standards on both the English I and English II EOC's.

**Course ID:** 4304; ENG3; 03220300

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## ENGLISH III HONORS

**Prerequisites:** English II.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** See Instructor

**Campus Offered:** BP BW

## ENGLISH III LANGUAGE & COMPOSITION ADVANCED PLACEMENT

**Prerequisites:** English II.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** See Instructor

**Campus Offered:** BP BW

## ENGLISH IV

**Prerequisites:** English III.

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

**Resources:** See Instructor

**Campus Offered:** BP BW
ENGLISH IV DUAL CREDIT

**Prerequisites:** English III.

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. This course can count as a fourth English if the student has met standards on both the English I and English II EOC's.

**Course ID:** 4404; ENG 4; 03220400

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

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ENGLISH IV LITERATURE & COMPOSITION ADVANCED PLACEMENT

**Prerequisites:** English III.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. This course can count as a fourth English if the student has met standards on both the English I and English II EOC's.

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

**Resources:** See Instructor

**Campus Offered:** BP BW

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ENGLISH COLLEGE PREPARATORY COURSE

**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). This course can count as a fourth English if the student has met standards on both the English I and English II EOC's.

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

**Resources:** Fusion Book 2 by Kemper, Meyer, Van Rys, Sebranek

**Campus Offered:** BP BW

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CREATIVE AND IMAGINATIVE WRITING I

**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. Creative Writing I can count as a fourth English if the student has met standards on both the English I and English II EOC's.

**Course ID:** 4510; CREAT WR I; 03221200;

**Resources:** On Writing Well by Zinsser

**Campus Offered:** BP BW
INDEPENDENT STUDY IN ENGLISH: CREATIVE AND IMAGINATIVE WRITING II

Prerequisites: Creative Writing I.

Students will continue to develop their writing skills in a variety of genres and analyze each genre through close reading of mentor texts. Students will develop skills in evaluating their own writing as well as that of their peers and work toward publishing polished pieces of writing. Note: This course may be taken a second-time for credit.

Course ID: 4520; IND ENG; 03221800; 4521; IND ENG2; 03221810

Resources: See Instructor

Campus Offered: BP BW

HUMANITIES (Freshmen)

Prerequisites: Approval Required

Humanities is an interdisciplinary course in which students develop their reading and writing skills while studying writing as an art form. Students will read widely to understand how authors craft compositions for various purposes. This course includes the study of major historical and cultural movements and their relationship to literature. Humanities is a rigorous course of study in which high school students respond to elements of texts and visuals through outlets such as discussions, journals, oral interpretations, and dramatizations. In addition, students will use written composition to show an in-depth understanding of culture and history.

Course ID: 4525; HUMANIT; 03221600

Resources: See Instructor

Campus Offered: BP BW

HUMANITIES DUAL CREDIT

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). This course can count as a fourth English if the student has met standards on both the English I and English II EOC's.

Course ID: 4534; HUMANIT; 03221600

Resources: See Brazosport College Syllabus

Campus Offered: BC

RESEARCH AND TECHNICAL WRITING

Prerequisites: 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. This course can count as a fourth English if the student has met standards on both the English I and English II EOC's.

Course ID: 4530; TECH WR; 03221100

Resources: See Instructor

Campus Offered: BP BW
ENGLISH FOR SPEAKERS OF OTHER LANGUAGES I, II

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

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

Credit: 1 for each level

Resources: See Instructor

Campus Offered: BP BW

BUSINESS ENGLISH

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: 8176; BUSENGL; 13011600

Prerequisites: English III. Grade 12.

Credit: 1

Resources: See Instructor

Campus Offered: BSA

JOURNALISM

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: 5911; PRIMTEC1; 13009600

Prerequisites: Application with teacher approval.

Recommended - Journalism, Photojournalism, or Principals of Arts, A/V, Technology & Communication.

Credit: 1

Resources: See Instructor

Campus Offered: BP BW
PRINTING AND IMAGING TECHNOLOGY II (Yearbook II)  Credit: 1

Prerequisites:  Printing and Imaging Technology I

In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an advanced understanding of the printing industry with a focus on digital pre-press and desktop digital publishing. Students will create publications such as school yearbook.

Course ID: 5921; PRIMTEC2; 13009700

Resources:  See Instructor  Campus Offered: BP BW

PRACTICUM IN PRINTING AND IMAGING TECHNOLOGY  Credit: 2

Prerequisites:  Printing and Imaging Technology II

Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the printing industry with a focus on finishing and bindery operations and customer-based projects.

Course ID: 5931; PRACPRI1; 13009800

Resources:  See Instructor  Campus Offered: BP BW

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. The 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

Resources:  See Instructor  Campus Offered: BP BW

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

Resources:  See Instructor  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 skills 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. This course can count as a fourth English if the student has met standards on both the English I and English II EOC's.

Course ID: 5960; NP3; 03230160

Resources:  See Instructor  Campus Offered: BP BW
COMMERCIAL PHOTOGRAPHY I

**Prerequisites:** Recommended - Journalism, Photojournalism, or Principals of Arts, A/V, Technology & Communication.

Students will refine their photography skills by exploring professional photographers' work and alternative techniques. They will develop experience in color photography, studio lighting, and computer skills. This course focuses on the skills needed for a career in the commercial photographic field as well as continuing to build one's personal portfolio.

**Course ID:** 5970; CPHOTO1; 13009100

**Resources:** See Instructor

**Campus Offered:** BP BW

COMMERCIAL PHOTOGRAPHY II

**Prerequisites:** Commercial Photography I

In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an advanced understanding of the printing industry with a focus on digital pre-press and desktop digital publishing. Students will create publications such as school yearbook.

**Course ID:** 5971; CPHOTO2; 13009200

**Resources:** See Instructor

**Campus Offered:** BP BW

PRACTICUM IN COMMERCIAL PHOTOGRAPHY

**Prerequisites:** Commercial Photography II

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

**Course ID:** 5972; PRACCPH1; 13009250

**Resources:** See Instructor

**Campus Offered:** BP BW

INDEPENDENT STUDY IN JOURNALISM I, II

**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

**Resources:** See Instructor

**Campus Offered:** BP BW
INDEPENDENT STUDY IN JOURNALISM  III

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. This course can count as a fourth English if the student has met standards on both the English I and English II EOC's.

Course ID: 5977; INDIJOUR3; 03231022

Speech

PROFESSIONAL COMMUNICATIONS

Prerequisites: Grades 10-12.

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

PROFESSIONAL COMMUNICATIONS DUAL CREDIT

Prerequisites: Grades 9-12.

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: 5704; PROFCOMM: 13009900

PROFESSIONAL COMMUNICATIONS DUAL CREDIT (BRAZOSPORT HIGH SCHOOL)

Prerequisites: Grades 9-12.

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: 5703; PROFCOMM: 13009900

Resources: See Brazosport College Syllabus

Campus Offered: BP BW

Resources: Communication Application; McGraw Hill

Campus Offered: BP BW

Resources: See Brazosport College Syllabus

Campus Offered: BC

Resources: See Brazosport College Syllabus

Campus Offered: BP
### Speech

**DEBATE I**

**Credit:** 1

**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

**Resources:** Basic Debate; MacGraw Hill

**Campus Offered:** BP BW

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**DEBATE II**

**Credit:** 1

**Prerequisites:** Debate I.

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. Students will participate in at least 1 competitive event.

**Course ID:** 5720; DEBATE 2; 03240700

**Resources:** See Instructor

**Campus Offered:** BP BW

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**DEBATE III**

**Credit:** 1

**Prerequisites:** Debate II.

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. Students will participate in multiple competitive events. This course can count as a fourth English if the student has met standards on both the English I and English II EOC's.

**Course ID:** 5730; DEBATE 3; 03240800

**Resources:** See Instructor

**Campus Offered:** BP BW

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### Mathematics

**ALGEBRA I**

**Credit:** 1

**Prerequisites:** Mathematics, Grade 8 or its equivalent.

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

**Resources:** Glencoe Algebra I; McGraw Hill

**Campus Offered:** BP BW
ALGEBRA I HONORS

**Prerequisites:** Mathematics, Grade 8 or its equivalent. Meets or Masters Level on Grade 8 STAAR or equivalent.

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. SAT and ACT assessment objectives will be reviewed. This course includes independent reading, writing and research components that will exceed those presented in an on-level course and weighted grade will be applied to the semester average.

**Course ID:** 1027; ALG 1:03100507

**Resources:** Glencoe Algebra I; McGraw Hill

**Campus Offered:** BP BW

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GEOMETRY

**Prerequisites:** Algebra I.

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

**Resources:** Glencoe Geometry; McGraw Hill

**Campus Offered:** BP BW

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GEOMETRY HONORS

**Prerequisites:** Algebra I. Grade 9 or Committee Approval.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** Glencoe Geometry; McGraw Hill

**Campus Offered:** BP BW

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ALGEBRAIC REASONING

**Prerequisites:** Algebra I.

Students will build on the knowledge and skills for mathematics in kindergarten through grade 8 and Algebra I; continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent math courses. This course may count as a third or fourth math credit under the Foundation Graduation Plan (HB5).

**Course ID:** 1030; ALGREA; 03102540

**Resources:** Algebraic Reasoning; Cosenza & Associates

**Campus Offered:** BP BW
MATHEMATICAL MODELS WITH APPLICATIONS

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 subsequent math courses 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; paper/pencil; and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems. This course may count as a third year math credit under the Foundation Graduation Plan (HB5).

Course ID: 1710; MTHMOD; 03102400

Resources: Mathematical Models with Applications; Cengage

ALGEBRA II

Prerequisites: Algebra I. 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 may count as a third or fourth math credit under the Foundation Graduation Plan (HB5).

Course ID: 1120; ALG 2; 03100600

Resources: Glencoe Algebra II; McGraw Hill

ALGEBRA II HONORS

Prerequisites: Algebra I. 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 students to think at a higher level. SAT and ACT assessment objectives will be reviewed. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. This course may count as a third or fourth math credit under the Foundation Graduation Plan (HB5).

Course ID: 1127; ALG 2; 03100600

Resources: Glencoe Algebra II; McGraw Hill

PRE CALCULUS

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

Resources: Precalculus; Pearson

Campus Offered: BP BW
**PRE CALCULUS HONORS**

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

Precalculus Honors 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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** Precalculus; Pearson

**Campus Offered:** BP BW

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**MATH COLLEGE PREP**

**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

**Resources:** College Prep Math

**Campus Offered:** BP BW

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**STATISTICS**

**Prerequisites:** Algebra I.

Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

Note: This course is not considered a lower level of AP STATISTICS.

Note: Students may take either high school statistics or dual credit statistics; however, both cannot be taken.

**Course ID:** 1500; STATS; 03102530

**Resources:** Elementary Statistics: Picturing the World

**Campus Offered:** BP BW

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**CALCULUS AB ADVANCED PLACEMENT**

**Prerequisites:** Pre Calculus.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** Calculus AP; Pearson

**Campus Offered:** BP BW
CALCULUS BC ADVANCED PLACEMENT

**Prerequisites:** Pre Calculus.

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 McLauren Series. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** Calculus AP; Pearson

**Campus Offered:** BP BW

STATISTICS ADVANCED PLACEMENT

**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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** Preparing for AP Statistics Exam; Cengage

**Campus Offered:** BP BW

STATISTICS DUAL CREDIT

**Prerequisites:** Grades 11-12. Successful completion of Geometry.

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. TI-83 graphing calculator required unless otherwise noted by instructor. Note: Students may take either high school statistics or dual credit statistics; however, both cannot be taken.

**Course ID:** 1514; STATS; 03102530

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

ADVANCED QUANTITATIVE REASONING: DUAL CREDIT

**Prerequisites:** Grades 11-12. Successful completion of Geometry.

Modern algebra and geometry. Topics include introductory treatments of measurement and geometry, sets and logic, functions, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication are embedded throughout the course. TI-83 graphing calculator required unless otherwise noted by instructor.

**Course ID:** 1534; ADQUANR; 03102510

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

INDEPENDENT STUDY IN MATH I: BUSINESS CALCULUS & FINITE MATHEMATICS (BUSINESS PATHWAY) DUAL CREDIT

**Prerequisites:** Grades 11-12.

This business pathway pairing will consist of Business Calculus and Finite Math. Business Calculus covers differential and integral calculus of algebraic, logarithmic, and exponential functions with applications to business and economics. Finite math will study the applications of algebra, including linear systems, matrices, linear programming, probability, statistics, and interest calculation. This course is designed for students pursuing an academic plan as a business major. Completion of this course at Brazosport College will earn 1 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:** 1734; INSTUMTH; 03102500

**Resources:** See Instructor

**Campus Offered:** BC
**Mathematics**

**INDEPENDENT STUDY IN MATH I: COLLEGE ALGEBRA & FUNDAMENTALS OF MATH I (EDUCATION PATHWAY) DUAL CREDIT**

**Prerequisites:** Grades 11-12. Successful completion of Geometry.

This education pathway pairing will consist of College Algebra and Fundamentals of Math. College Algebra 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. Fundamentals of Math is a theory approach to the development of the real number system, set theory, fundamental operations and concepts of arithmetic, systems of numeration, functions, and logic. This course is designed for students pursuing an academic plan as an elementary education major. Completion of this course at Brazosport College will earn 1 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:** 1744; INSTUMTH; 03102500

**Resources:** See Instructor

**Campus Offered:** BC

**INDEPENDENT STUDY IN MATH I: COLLEGE ALGEBRA FOR CALCULUS & PRE-CALCULUS (STEM PATHWAY) DUAL CREDIT**

**Prerequisites:** Grades 11-12.

This STEM pathway pairing will consist of College Algebra for Calculus and PreCalculus. College Algebra for Calculus is an in-depth study and applications of polynomials, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. PreCalculus 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 will be studied. This course is designed for students pursuing a STEM academic plan requiring Calculus. Completion of this course at Brazosport College will earn 1 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:** 1714; INSTUMTH; 03102500

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

**INDEPENDENT STUDY IN MATH II: CALCULUS I & CALCULUS II DUAL CREDIT**

**Prerequisites:** College Algebra 1414 & Math 2412. Grades 11-12.

Calculus I will study 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, and applications of integration. During Calculus II, students will experience differentiation and integration relating to the exponential and natural logarithmic functions, the trigonometric functions, and the inverse trigonometric functions; techniques of integration; L’Hopital’s Rule; improper integrals; sequences and series.

Graphing calculator required. This course is designed for students pursuing a STEM/Calculus academic plan. Completion of this course at Brazosport College will earn 1 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:** 1984; INSTUMTH2; 03102501

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

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**Mathematics/CTE (Business)**

**FINANCIAL MATHEMATICS**

**Prerequisites:** Algebra 1. Grades 11-12.

This is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Mathematics can be used as third math credit under the Foundation Graduation Plan (HB 5). Organization: Business Professionals of America.

**Course ID:** 8171; FINMATH; 13018000

**Resources:** Real Life Financial Mathematics; Decker & Associates

**Campus Offered:** BP BW
MATHEMATICS FOR MEDICAL PROFESSIONS  

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

Mathematics for Medical Professionals 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. Mathematics for Medical Professions can be used as a third or fourth year advanced math course under the Foundation Graduation Plan (HB 5). Organization: Health Occupations Students of America.

**Course ID:** 8203; MTHMEDPR; 13020970

**Resources:** Math for Health Care Professionals; Cengage Learning

**Campus Offered:** BP BW

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**ROBOTICS II**  

**Prerequisites:** Robotics I. Grades 11-12.

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. Robotics II can be used as third year advanced math credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 8401; ROBOTIC2; 13037050

**Resources:** See Instructor

**Campus Offered:** BP BW

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**DISCRETE MATHEMATICS FOR COMPUTER SCIENCE**  

**Prerequisites:** Algebra II or Algebra II concurrent. Grades 11-12.

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. Discrete Mathematics for Computer Science can be used as a third or fourth year advanced math credit under the Foundation Graduation Plan (HB 5).

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

**Resources:** See Instructor

**Campus Offered:** BP BW

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**BIOLOGY**  

**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; BIO; 03010200

**Resources:** TX High School Science Biology; Holt McDougal

**Campus Offered:** BP BW
### BIOLOGY (BRAZOSWOOD 9th GRADE CAMPUS)

**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:** 2019; BIO; 03010200

**Resources:** TX High School Science Biology; Holt McDougal

**Campus Offered:** BW 9

### BIOLOGY HONORS

**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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** TX High School Science Biology; Holt McDougal

**Campus Offered:** BP BW

### BIOLOGY ADVANCED PLACEMENT

**Credit:** 1

**Prerequisites:** Biology and Chemistry.

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. A 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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** Principles of Life; Bedford, Freeman and Worth

**Campus Offered:** BP BW

### BIOLOGY DUAL CREDIT

**Credit:** 1

**Prerequisites:** Biology and Chemistry.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

### INTEGRATED PHYSICS AND CHEMISTRY (IPC)

**Credit:** 1

**Prerequisites:** None.

This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter and solution chemistry. To study topics students will conduct field and laboratory investigations, use scientific methods and make informed decisions using critical thinking and problem solving.

**Course ID:** 2720; IPC; 03060201

**Resources:** Integrated Physics and Chemistry; McGraw Hill

**Campus Offered:** BP BW
INTEGRATED PHYSICS AND CHEMISTRY (IPC) (BRAZOSWOOD 9TH GRADE CAMPUS)

**Prerequisites:** None.

This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter and solution chemistry. To study topics students will conduct field and laboratory investigations, use scientific methods and make informed decisions using critical thinking and problem solving.

**Course ID:** 2729; IPC; 03060201

**Resources:** Integrated Physics and Chemistry; McGraw Hill

**Campus Offered:** BW 9

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CHEMISTRY

**Prerequisites:** Biology and Algebra I.

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

**Resources:** TX High School Science Modern Chemistry; Holt McDougal

**Campus Offered:** BP BW

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CHEMISTRY HONORS

**Prerequisites:** Biology 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. The pace of this course requires self direction and a significant amount of work to be done at home to support the rigorous laboratory investigations and math intensive problem based learning in this lecture/demonstration course. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** TX High School Science Modern Chemistry; Holt McDougal

**Campus Offered:** BP BW

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CHEMISTRY ADVANCED PLACEMENT

**Prerequisites:** Biology and Chemistry. Algebra II or concurrent enrollment.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** Chemistry: A Molecular Approach; Tro

**Campus Offered:** BP BW

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CHEMISTRY DUAL CREDIT

**Prerequisites:** Biology and Chemistry. Algebra II or concurrent enrollment.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC
PHYSICS

Prerequisites: Biology.

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

Resources: TX High School Science Physics; Holt McDougal

Campus Offered: BP BW

PHYSICS I ADVANCED PLACEMENT

Prerequisites: Biology and Geometry and/or concurrent enrollment in Algebra 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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: 2528; AP-PHYS1; A3050001

Resources: College Physics: A Strategic Approach; Knight

Campus Offered: BP BW

PHYSICS II ADVANCED PLACEMENT

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. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: 2529; APPHYS2; A3050004

Resources: College Physics: A Strategic Approach; Knight

Campus Offered: BP BW

PHYSICS C: MECHANICS ADVANCED PLACEMENT

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: 2518; AP-PHYSC; A3050006

Resources: Physics for Scientists and Engineers; Knight

Campus Offered: BP BW
COLLEGE PHYSICS DUAL CREDIT

**Prerequisites:** Biology and Chemistry. BC Math 1314 or 1414.

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. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

**Course ID:** 2514; SCIRD; 13037200

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

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UNIVERSITY PHYSICS DUAL CREDIT

**Prerequisites:** Biology and Chemistry.ISM: Calc I & Calc II Dual Credit or concurrent enrollment.

University physics is a two part series of calculus based physics. First semester topics include the principles of kinematics and dynamics (motion, forces, energy, momentum) for both linear and rotational motion, thermodynamics, properties of materials, and wave motion. Second semester topics include the principles of electricity, magnetism, light and modern physics.

**Course ID:** 2524; SCIRD; 13037200

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

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AQUATIC SCIENCE

**Prerequisites:** Biology, IPC or Chemistry.

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

**Resources:** Marine Science: The Dynamic Ocean: Pearson/Scott Foresman

**Campus Offered:** BP BW

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ASTRONOMY

**Prerequisites:** Biology, IPC or Chemistry.

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.

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

**Resources:** See Instructor

**Campus Offered:** BP BW

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ENVIRONMENTAL SYSTEMS

**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

**Resources:** Environmental Science Student Edition

**Campus Offered:** BP BW
ENVIRONMENTAL SCIENCE ADVANCED PLACEMENT

**Prerequisites:** Biology and IPC, Chemistry, 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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** Environment: The Science Behind the Stories

**Credit:** 1

**Campus Offered:** BP BW

ENVIRONMENTAL SYSTEMS DUAL CREDIT

**Prerequisites:** Biology, IPC or Chemistry.

A study of the fundamental principles of environmental systems including environmental chemistry, ethics, economics, biodiversity, agriculture, urbanization, and global climate change. Human population growth, soils, toxicology, resource management, energy sources, pollution, waste management, and sustainable environmental solutions will also be discussed. An emphasis will be placed on local ecosystems and individual responsibility. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

**Course ID:** 2874; ENVIRSYS; 03020000

**Resources:** See Brazosport College Syllabus

**Credit:** 1

**Campus Offered:** BC

FORENSIC SCIENCE

**Prerequisites:** Biology and Chemistry. 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 a third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

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

**Resources:** Forensic Science; Kendall Hunt

**Credit:** 1

**Campus Offered:** BP BW

Science/ CTE (Agriculture)

ADVANCED ANIMAL SCIENCE

**Prerequisites:** Biology, Chemistry or IPC; Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production.

This course is designed to examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to expand one's knowledge of the scientific and technological dimensions of resources necessary for animal production. Students are encouraged to participate in the national student organization - Future Farmers of America (FFA).

**Course ID:** 8017; ADVANSC1; 13000700

**Resources:** Animal Science Biology and Technology - High School

**Credit:** 1

**Campus Offered:** BP BW

Science/ CTE (Health Science)
ANATOMY & PHYSIOLOGY

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

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. This course is 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:** 2960; ANATPHYS; 13020600

**Resources:** Texas Hole's Human Anatomy & Physiology; McGraw Hill

**Campus Offered:** BP BW

ANATOMY & PHYSIOLOGY DUAL CREDIT

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

A study of the cells, tissues, and organ systems of the human body. Emphasis is on understanding the physiologic mechanisms maintaining homeostasis. The dynamics of cell membranes as well as the components and functions of the integumentary, skeletal, muscular, nervous, and endocrine systems will be studied. Through a variety of laboratory activities designed to complement lecture topics, students will have the opportunity to learn the anatomy of these organ systems and participate in activities which demonstrate key concepts associated with these organ systems. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course 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:** 2964; ANATPHYS; 13020600

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

MEDICAL MICROBIOLOGY

**Prerequisites:** Biology and Chemistry. Principles of Health Science and/or Medical Terminology. Grades 11-12.

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Science, as defined by the National Academy of Sciences, is the “use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process.” This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable. Medical Microbiology 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:** 8213; MICRO; 13020700

**Resources:** Microbiology with Diseases; Pearson

**Campus Offered:** BP BW

PATHOPHYSIOLOGY

**Prerequisites:** Biology and Chemistry. Recommended Medical Microbiology, Health Science - Theory or Health Science - Theory + Clinical Rotations. Grade 12.

The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Pathophysiology 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:** 8214; PATHO; 13020800

**Resources:** Human Diseases; Cengage Learning

**Campus Offered:** BP BW
### Science/ CTE (Hospitality & Tourism)

**FOOD SCIENCE**

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

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

**Resources:** Principles of Food Science; Goodheart Wilcox

**Campus Offered:** BP BW

### Science/ CTE (STEM)

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

**Prerequisites:** PLTW Introduction to Engineering Design. Biology. IPC. Chemistry. Physics. or concurrent enrollment in Chemistry. PLTW Principles of Engineering (or concurrent enrollment).

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course 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

**Resources:** See Instructor

**Campus Offered:** BP BW

**ENGINEERING DESIGN & PROBLEM SOLVING - ROBOTICS III**

**Prerequisites:** Robotics II. Biology. Algebra I and Geometry. Grade 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 includes independent reading, writing, and research components that will exceed those presented in an on-level course 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

**Resources:** See Instructor

**Campus Offered:** BP BW

### Social Studies

**WORLD GEOGRAPHY STUDIES**

**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

**Resources:** World Geography; McGraw Hill

**Campus Offered:** BP BW
## Social Studies

### WORLD GEOGRAPHY STUDIES HONORS

**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. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

**Course ID:** 3126; W GEO; 03320100  
**Resources:** World Geography; McGraw Hill  
**Campus Offered:** BP BW

### 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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

**Course ID:** 3810; APHUMGEO; A3360100  
**Resources:** Human Geography; Malinowski and Kaplan  
**Campus Offered:** BP BW

### UNITED STATES HISTORY SINCE RECONSTRUCTION

**Credit:** 1  
**Prerequisites:** World Geography, AP Human Geography, or World History.

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  
**Resources:** United States History since 1877; McGraw Hill  
**Campus Offered:** BP BW

### UNITED STATES HISTORY ADVANCED PLACEMENT

**Credit:** 1  
**Prerequisites:** World Geography, AP Human Geography, or World History.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

**Course ID:** 3428; APUSHIST; A3340100  
**Resources:** American Pageant; Cengage  
**Campus Offered:** BP BW

### UNITED STATES HISTORY SINCE RECONSTRUCTION DUAL CREDIT

**Credit:** 1  
**Prerequisites:** World Geography, AP Human Geography, or World History.

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:** 3424; US HIST; 03340100  
**Resources:** See Brazosport College Syllabus  
**Campus Offered:** BC
UNITED STATES HISTORY SINCE RECONSTRUCTION DUAL CREDIT
(BRAZOSWOOD HIGH SCHOOL)

Prerequisites: World Geography, AP Human Geography, or World History.

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: 3414; US HIST; 03340100

Resources: See Brazosport College Syllabus

Campus Offered: BW

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM & ITS BENEFITS

Prerequisites: U.S. History.

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

Resources: Economics; McGraw Hill

Campus Offered: BP BW

MICROECONOMICS ADVANCED PLACEMENT

Prerequisites: U.S. History.

AP Microeconomics gives students a thorough understanding of the principals of economics that apply to the functions of individual decisions makers, both consumers and producers, within the economic system. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. It is recommended that students pair this course with Macroeconomics in the second semester to best prepare for the AP Exam.

Course ID: 3813; APMICECO; A3310100

Resources: Krugman's Economics; Bedford, Freeman, and Worth

Campus Offered: BP BW

MACROECONOMICS ADVANCED PLACEMENT

Prerequisites: U.S. History.

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. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. It is recommended that students pair this course with Microeconomics from the first semester to best prepare for the AP Exam.

Course ID: 3608; APMACECO; A3310200

Resources: Krugman's Economics; Bedford, Freeman, and Worth

Campus Offered: BP BW
UNITED STATES GOVERNMENT

Prerequisites: U.S. History.

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
Resources: United States Government; McGraw Hill
Campus Offered: BP BW
Credit: .5

UNITED STATES GOVERNMENT AND POLITICS ADVANCED PLACEMENT

Prerequisites: U.S. History.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. It is recommended that students pair this course with Comparative Government in the second semester to best prepare for the AP Exam.

Course ID: 3508; APUSGOVT; A3330100
Resources: Government in America; Edwards
Campus Offered: BP BW
Credit: .5

UNITED STATES GOVERNMENT DUAL CREDIT

Prerequisites: U.S. History.

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: 3504; GOVT; 03330100
Resources: See Brazosport College Syllabus
Campus Offered: BC
Credit: .5

UNITED STATES GOVERNMENT DUAL CREDIT (BRAZOSWOOD HIGH SCHOOL)

Prerequisites: U.S. History.

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: 3514; GOVT; 03330100
Resources: See Brazosport College Syllabus
Campus Offered: BW
Credit: .5

WORLD HISTORY STUDIES

Prerequisites: 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
Resources: World History; McGraw Hill
Campus Offered: BP BW
Credit: 1
WORLD HISTORY: MODERN ADVANCED PLACEMENT

**Prerequisites:** None.

Students cultivate their understanding of world history from c 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** See Instructor

**COMPARATIVE GOVERNMENT ADVANCED PLACEMENT**

**Prerequisites:** U.S. History.

AP Comparative Government is an elective course that introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. This course does not satisfy the graduation requirement for Government. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. It is recommended that students pair this course with United States Government and Politics Advanced Placement from the first semester to best prepare for the AP Exam.

**Course ID:** 3812; APCPGOVT; A3330200

**Resources:** See Instructor

**EUROPEAN HISTORY ADVANCED PLACEMENT**

**Prerequisites:** U.S. History.

AP European History is an elective course that focuses on developing students’ understanding of European history from approximately 1450 to the present. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

**Course ID:** 3811; APEUHIST; A3340200

**Resources:** See Instructor

**PERSONAL FINANCIAL LITERACY**

**Prerequisites:** None.

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. This elective course does not satisfy the state Economics credit requirement for graduation.

**Course ID:** 3815; PFL; 03380082

**Resources:** Foundations in Personal Finance

**PSYCHOLOGY**

**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

**Resources:** Understanding Psychology; McGraw Hill
Social Studies

PSYCHOLOGY ADVANCED PLACEMENT

**Prerequisites:** Recommended for 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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

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

**Resources:** Psychology; Ciccarelli

**Credit:** .5

**Campus Offered:** BP BW

PSYCHOLOGY DUAL CREDIT

**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:** 3704; PSYCH; 03350100

**Resources:** See Brazosport College Syllabus

**Credit:** .5

**Campus Offered:** BC

SOCIOLOGY

**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

**Resources:** Sociology and You; McGraw Hill

**Credit:** .5

**Campus Offered:** BP BW

SOCIOLOGY DUAL CREDIT

**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:** 3634; SOC; 03370100

**Resources:** See Brazosport College Syllabus

**Credit:** .5

**Campus Offered:** BC

TEXAS GOVERNMENT DUAL CREDIT

**Prerequisites:** U.S. History.

This course studies the origin and development of the Texas constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas. Note: This course serves as an elective credit and does not fulfill the US Government requirement for graduation.

**Course ID:** 3904; SPTSS; 03380002

**Resources:** See Brazosport College Syllabus

**Credit:** .5

**Campus Offered:** BC

Fine Arts—Art

ART I

**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

**Resources:** See Instructor

**Credit:** 1

**Campus Offered:** BP BW
ART APPRECIATION DUAL CREDIT

**Prerequisites:** None.

Art Appreciation is a 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.

Note: Students can only be awarded credit for one of the three dual credit art appreciation courses.

**Course ID:** 5014; ART1APP; 03500110

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

ART APPRECIATION DUAL CREDIT: EARLY ART HISTORY

**Prerequisites:** None.

Comprehensive survey of art and architectural history, studied within the context of geography, politics, religion, and culture. The course covers Ancient through Gothic art.

Note: Students can only be awarded credit for one of the three dual credit art appreciation courses.

**Course ID:** 5054; ART1APP; 03500110

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

ART APPRECIATION DUAL CREDIT: LATE ART HISTORY

**Prerequisites:** None.

Comprehensive survey of art and architectural history, studied within the context of geography, politics, religion, and culture. The course covers Gothic through Post Modern art.

Note: Students can only be awarded credit for one of the three dual credit art appreciation courses.

**Course ID:** 5064; ART1APP; 03500110

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

DRAWING II, III, IV

**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

**Resources:** See Instructor

**Campus Offered:** BP BW

PAINTING II, III, IV

**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

**Resources:** See Instructor

**Campus Offered:** BP BW
SCULPTURE II, III, IV  

**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

**Resources:** See Instructor  

**Campus Offered:** BP BW

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**STUDIO ART ADVANCED PLACEMENT: 2D PORTFOLIO**  

**Credit:** 1

**Prerequisites:** Painting I or Drawing 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

**Resources:** See Instructor  

**Campus Offered:** BP BW

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**STUDIO ART ADVANCED PLACEMENT: 3D PORTFOLIO**  

**Credit:** 1

**Prerequisites:** Sculpture 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

**Resources:** See Instructor  

**Campus Offered:** BP BW

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**STUDIO ART ADVANCED PLACEMENT: DRAWING PORTFOLIO**  

**Credit:** 1

**Prerequisites:** Painting I or Drawing 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

**Resources:** See Instructor  

**Campus Offered:** BP BW

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**Fine Arts/CTE (Agriculture)**
## Fine Arts/CTE (Agriculture)

### FLORAL DESIGN

**Prerequisites:** Grades 9-12.

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; FLORAL: 13001800

**Resources:** Principles & Elements of Floral Desgin Pathway; CEV Multimedia

**Campus Offered:** BP BW

### Fine Arts—Dance

#### DANCE I-IV

**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

**Resources:** See Instructor

**Campus Offered:** BP BW

#### DRILL TEAM PREP - DANCE 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

**Resources:** See Instructor

**Campus Offered:** BW

### Fine Arts—Music

#### BAND I-IV

**Prerequisites:**

The high school band is a musical organization for students of wind and percussion instruments. Four concert bands are offered for students interested in instrumental music: Symphonic Band, Concert Band, Concert Winds 1, & Concert Winds 2. 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 the Fall, the various concert bands follow the same curriculum in preparation for the marching band's season. The marching band is comprised of all members of the band, and performs at all varsity football games (home & away), U.I.L. Marching Contest and non-U.I.L. Marching Contests, and local parades. The marching band rehearses daily, after school, and are required to attend Summer Band rehearsals, beginning in late July. 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

**Resources:** See Instructor

**Campus Offered:** BP BW
Fine Arts—Music

CHOIR I-IV

**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

**Resources:** See Instructor

**Campus Offered:** BP BW

**Credit:** 1 for each level

JAZZ BAND I-IV

**Prerequisites:** Concurrent membership in Band is required for all wind and percussion instruments. While membership in the band is not required for rhythm instruments (piano, bass, guitar), priority is given to students who participate in a performing musical ensemble.

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. The jazz bands will perform various concerts, as well as community gigs and competitive events in the spring.

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

**Resources:** See Instructor

**Campus Offered:** BP BW

**Credit:** 1 for each level

MUSIC APPRECIATION DUAL CREDIT

**Prerequisites:** None.

A survey of music and musical styles in order to develop skills of musical perception. The basic structure of music is discussed, as well as how music relates to an individual’s cultural and social experiences. Certain sections, as designated on semester schedules of classes, will feature a study of American jazz or rock.

**Course ID:** 5294; MUSSMA1; 03155600

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

**Credit:** 1

ORCHESTRA I-IV

**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

**Resources:** See Instructor

**Campus Offered:** BP BW

**Credit:** 1 for each level

Fine Arts—Theater Arts

TECHNICAL THEATER I, II, III

**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

**Resources:** See Instructor

**Campus Offered:** BP BW

**Credit:** 1 for each level
Fine Arts—Theater Arts

THEATER ARTS I

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; TH1; 03250100

Resources: See Instructor

Campus Offered: BP BW

THEATER ARTS I DUAL CREDIT

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: 5814; TH1; 03250100

Resources: See Brazosport College Syllabus

Campus Offered: BC

THEATER ARTS II, III, IV

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

Resources: See Instructor

Campus Offered: BP BW

THEATER PRODUCTION I-IV

Prerequisites: None.

These courses are contract hour courses that do not meet within the regular school day. They consist 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; TH1PROD; 03250700 -- 5860; TH2PROD; 03250800 -- 5870; TH3PROD; 03250900 -- 5880; TH4PROD; 03251200

Resources: See Instructor

Campus Offered: BP BW

THEATER PRODUCTION I DUAL CREDIT

Prerequisites: None.

These courses are contract hour courses that do not meet within the regular school day. They consist 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: 5854; TH1PROD; 03250700

Resources: See Brazosport College Syllabus

Campus Offered: BC

Health, Athletics, and Physical Education
ATHLETICS (PHYSICAL EDUCATION EQUIVALENT) I-IV

**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; PES00002; 7XXX; SUBATH3; PES00003; 7XXX; SUBATH4; PES00004

**Resources:** See Instructor

**Campus Offered:** BP BW

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HEALTH EDUCATION

**Prerequisites:** Grades 10-12.

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. Note: This course cannot be awarded credit if Health Credit was awarded in Teen Leadership.

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

**Resources:** Health, Texas Edition; Glencoe

**Campus Offered:** BP BW

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PE TEAM SPORTS I, II

**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. Students may earn up to one full state credit in team sports (0.5 credit is earned per semester upto one full state credit); subsequent offerings are for local elective credit.

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

**Resources:** See Instructor

**Campus Offered:** BP BW

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ADVENTURE/OUTDOOR EDUCATION

**Prerequisites:** None.

Students enrolled in adventure outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge such as fishing, hiking, and camping.

**Course ID:** 7600; PEOAO; PES00053

**Resources:** See Instructor

**Campus Offered:** BP BW

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Languages Other Than English
# Languages Other Than English

## American Sign Language I

**Prerequisites:** None.

Students will understand and produce short, signed phrases and sentences, detect main idea 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. Mastery of skills is necessary for communicating through ASL. It includes an introduction to Deaf Culture, Deaf Community, and basic grammar elements of the language.

For Brazosport High School students, American Sign Language I is only offered via Texas Virtual School Network. Please see your counselor.

**Course ID:** 5451; ASL 1; 03980100

**Resources:** Dawn Sign; Press & Sign Media Inc.

**Campus Offered:** BP BW

## American Sign Language II

**Prerequisites:** ASL I.

This course continues to extend the skills introduced in Level 1. It includes Deaf History in America, Deaf Culture, Deaf Literature, and advanced grammar elements of the language. For Brazosport High School students, American Sign Language II is only offered via Texas Virtual School Network. Please see your counselor.

**Course ID:** 5452; ASL 2; 03980200

**Resources:** Dawn Sign; Press & Sign Media Inc.

**Campus Offered:** BP BW

## American Sign Language III

**Prerequisites:** ASL II.

This course continues to extend the skills introduced in Levels 1 and 2. It includes advanced ASL storytelling and literature, advanced ASL grammar and vocabulary, issues in the Deaf community, and an introduction to the interpreting profession.

**Course ID:** 5453; ASL 3; 03980300

**Resources:** Dawn Sign; Press & Sign Media Inc.

**Campus Offered:** BW

## American Sign Language IV

**Prerequisites:** ASL III.

This course continues to extend the skills introduced in Levels 1, 2, and 3. It includes Deaf Humor, advanced ASL storytelling and literature, advanced vocabulary, and a more in-depth study of the interpreting profession.

**Course ID:** 5454; ASL 4; 03980400

**Resources:** Dawn Sign; Press & Sign Media Inc.

**Campus Offered:** BW

## French I

**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

**Resources:** Bien dit! Level 1; HMH

**Campus Offered:** BW

## French II

**Prerequisites:** French I.

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

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

**Resources:** Bien dit! Level 2; HMH

**Campus Offered:** BW
FRENCH II HONORS  
**Prerequisites:** French I.  
This course exceeds the traditional course in French by including a more in-depth study of the language, French history, geography, culture, and literature and by placing more stress on oral proficiency. Extra time is required on the part of the Honors student for class preparation, outside reading, sophisticated writing assignments, and completion of complex projects or labs with complex problem solving. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.  
**Course ID:** 5627; FREN 2; 03410200  
**Resources:** Bien dit! Level 3; HMH  
**Campus Offered:** BW

FRENCH III HONORS  
**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  
**Resources:** Bien dit! Level 3; HMH  
**Campus Offered:** BW

FRENCH IV (LANGUAGE) ADVANCED PLACEMENT  
**Prerequisites:** French III.  
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  
**Resources:** Bien dit! Level 4; HMH  
**Campus Offered:** BW

GERMAN I  
**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  
**Resources:** Portfolio Deutsch 1; International Book Import Service  
**Campus Offered:** BW

GERMAN II  
**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  
**Resources:** Portfolio Deutsch 2; International Book Import Service  
**Campus Offered:** BW
Languages Other Than English

GERMAN II HONORS

Prerequisites: German I.

This course exceeds the traditional course in German by including a more in-depth study of the language, German history, geography, culture, and literature and by placing more stress on oral proficiency. Extra time is required on the part of the Honors student for class preparation, outside reading, sophisticated writing assignments, and completion of complex projects or labs with complex problem solving. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

Course ID: 5677; GERMAN 2; 03420200

Resources: Portfolio Deutsch 2; International Book Import Service

Credits: 1

Campus Offered: BW

GERMAN III HONORS

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

Resources: Portfolio Deutsch 3; International Book Import Service

Credits: 1

Campus Offered: BW

GERMAN IV (LANGUAGE) ADVANCED PLACEMENT

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

Resources: Portfolio Deutsch 4; International Book Import Service

Credits: 1

Campus Offered: BW

SPANISH I

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

Resources: Texas Asi se Dice Level 1; McGraw Hill

Credits: 1

Campus Offered: BP BW

SPANISH I DUAL CREDIT

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; SPAN 1; 03440100

Resources: See Brazosport College Syllabus

Credits: 1

Campus Offered: BC
### Languages Other Than English

#### SPANISH II

**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

**Resources:** Texas Asi se Dice Level 2; McGraw Hill

**Campus Offered:** BP BW

**Credit:** 1

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#### SPANISH II DUAL CREDIT

**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; SPAN 2; 03440200

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

**Credit:** 1

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#### SPANISH II FOR SPANISH SPEAKERS

**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

**Resources:** Texas Asi se Dice Level 2; McGraw Hill

**Campus Offered:** BP BW

**Credit:** 1

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#### SPANISH II HONORS

**Prerequisites:** Spanish I.

This course exceeds the traditional Spanish class by including a more in-depth study of the language itself (grammatical structures), Spanish and Latin American history, geography, culture, and literature. The skills of reading, writing, listening, and speaking are stressed in order to achieve the ultimate goal of proficiency. Extra time is required on the part of the Honors student for class preparation, outside reading, sophisticated writing assignments, and completion of complex projects or labs with complex problem solving. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

**Course ID:** 5527; SPAN 2; 03440200

**Resources:** Texas Asi se Dice Level 2; McGraw Hill

**Campus Offered:** BP BW

**Credit:** 1

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#### SPANISH III DUAL CREDIT

**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; SPAN 3; 03440300

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

**Credit:** 1
**Languages Other Than English**

**SPANISH III HONORS**

**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  
**Resources:** Texas Asi se Dice Level 3; McGraw Hill  
**Campus Offered:** BP BW

**SPANISH IV (LANGUAGE) ADVANCED PLACEMENT**

**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  
**Resources:** Texas Asi se Dice Level 4; McGraw Hill  
**Campus Offered:** BP BW

**SPANISH IV DUAL CREDIT**

**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; SPAN 4; 03440400  
**Resources:** See Brazosport College Syllabus  
**Campus Offered:** BC

**SPANISH V (LITERATURE) ADVANCED PLACEMENT**

**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  
**Resources:** Texas Asi se Dice Level 4; McGraw Hill  
**Campus Offered:** BP BW

**Technology Applications (Computer Science)**

**PROJECT LEAD THE WAY: COMPUTER SCIENCE ESSENTIALS**

**Prerequisites:** None.

This course offers an introduction to computer programming. Students will learn the basics of computer systems and how to design basic algorithms. Students will work with HTML, Scratch, and Python or Javascript.

**Course ID:** 6256; TAFCS; 03580140  
**Resources:** See Instructor  
**Campus Offered:** BP BW
Technology Applications (Computer Science)

PROJECT LEAD THE WAY: AP COMPUTER SCIENCE PRINCIPLES

**Prerequisites:** Project Lead The Way: Computer Science Essentials

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. CSP helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. The course aligns to the AP CS Principles framework.

**Course ID:** 6257; APCSPRIN; A3580300

**Resources:** See Instructor

**Campus Offered:** BP BW

PROJECT LEAD THE WAY: AP COMPUTER SCIENCE A

**Prerequisites:** PLTW AP Computer Science Principles or Algebra II or Algebra II concurrent. Grades 10-12.

Through PLTW, Computer Science A focuses on further developing computational-thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. This course aligns with the AP CS A course. AP Computer Science A can be used as a third or fourth year advanced math credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 6258; APTACSA; A3580110; APTACSAM; A3580120

**Resources:** See Instructor

**Campus Offered:** BP BW

DISCRETE MATHEMATICS FOR COMPUTER SCIENCE

**Prerequisites:** Algebra II or Algebra II concurrent. Grades 11-12.

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. Discrete Mathematics for Computer Science can be used as a third or fourth year advanced math credit under the Foundation Graduation Plan (HB 5).

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

**Resources:** See Instructor

**Campus Offered:** BP BW

INDEPENDENT STUDY IN TECHNOLOGY APPLICATIONS

**Prerequisites:** Completed 2 Computer Science courses. Grade 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 ; TAIND1; 03580900

**Resources:** See Instructor

**Campus Offered:** BP BW

Career Development (CTE)
## Career Development (CTE)

### CAREER PREPARATION I

**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:** 8000; CAREERP1; 12701300

**Resources:** School to Career; Goodheart Wilcox

**Credit:** 2

**Campus Offered:** BP BW

### CAREER PREPARATION II

**Prerequisites:** An interest form required. Grade 12. Career Preparation I.

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. Requires a full year enrollment.

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

**Resources:** School to Career; Goodheart Wilcox

**Credit:** 2

**Campus Offered:** BP BW

## CTE Agriculture, Food & Natural Resources

### PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES

**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

**Resources:** Agriscience Fundamentals & Applications; Thomson Learning

**Credit:** 1

**Campus Offered:** BP BW

### WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT

**Prerequisites:** Principles of Agriculture, Food & Natural Resources. 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. This course provides a Hunter Safety Certification opportunity. Fee: $20 certification cost. Organization: FFA.

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

**Resources:** See Instructor

**Credit:** 1

**Campus Offered:** BP BW

### AGRICULTURAL MECHANICS & METAL TECHNOLOGY

**Prerequisites:** Principles of Agriculture, Food & Natural Resources or Principles of Manufacturing. 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

**Resources:** NCCER Agricultural Mechanics and Metal Technology; Pearson

**Credit:** 1

**Campus Offered:** BP BW
### AGRICULTURAL STRUCTURE DESIGN AND FABRICATION

**Credit:** 1  
**Prerequisites:** Agricultural Mechanics & Metal Technology. Grades 11-12  
In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.

**Course ID:** 8051; AGSDF; 13002300  
**Resources:** See Instructor  
**Campus Offered:** BP BW

### FLORAL DESIGN

**Credit:** 1  
**Prerequisites:** Grades 9-12.  
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; FLORAL: 13001800  
**Resources:** Principles & Elements of Floral Desgin Pathway; CEV Multimedia  
**Campus Offered:** BP BW

### ADVANCED FLORAL DESIGN

**Credit:** 1  
**Prerequisites:** Floral Design. Grades 10-12.  
In this course, students build on the knowledge from Floral Design and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Lab Fee: $50. Organization: FFA.

**Course ID:** 8041; ADVFLDES; N1300270  
**Resources:** See Instructor  
**Campus Offered:** BP BW

### LIVESTOCK PRODUCTION

**Credit:** 1  
**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  
**Resources:** See Instructor  
**Campus Offered:** BP BW

### ADVANCED ANIMAL SCIENCE

**Credit:** 1  
**Prerequisites:** Biology, Chemistry or IPC; Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production.  
This course is designed to examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to expand one's knowledge of the scientific and technological dimensions of resources necessary for animal production. Students are encouraged to participate in the national student organization - Future Farmers of America (FFA).

**Course ID:** 8017; ADVANSC1; 13000700  
**Resources:** Animal Science Biology and Technology - High School  
**Campus Offered:** BP BW
### VETERINARY MEDICAL APPLICATIONS

**Credit:** 1

**Prerequisites:** Livestock Production. 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

**Resources:** See Instructor

**Campus Offered:** BP BW

### PRACTICUM IN AGRICULTURE

**Credit:** 2

**Prerequisites:** Advanced Floral Design, Veterinary Applications or Livestock Production. 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; PRACAFNR1; 13002500

**Resources:** See Instructor

**Campus Offered:** BP BW

### PRINCIPLES OF 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. Course Fee: $30 Organization: Skills USA

**Course ID:** 8060; PRINCON; 13004220

**Resources:** Residential Construction Academy: Basic Principles for Construction; Cengage Learning

**Campus Offered:** BP BW

### CONSTRUCTION TECHNOLOGY I

**Credit:** 2

**Prerequisites:** Principles of 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; CONTECH1; 13005100

**Resources:** NCCER Construction Technology; Pearson

**Campus Offered:** BP BW

### CONSTRUCTION TECHNOLOGY II

**Credit:** 2

**Prerequisites:** Construction Technology I. 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; CONTECH2; 13005200

**Resources:** NCCER Construction Technology; Pearson

**Campus Offered:** BP BW
# CTE Architecture & Construction

## ARCHITECTURAL DESIGN I DUAL CREDIT (DRAFTING TRACK- JR. YR.)

**Credit:** 1

**Prerequisites:** Principles of Construction

In Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

**Course ID:** 8064; ARCHDSN1; 13004600

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## ARCHITECTURAL DESIGN II DUAL CREDIT (DRAFTING TRACK- SR. YR.)

**Credit:** 2

**Prerequisites:** Architectural Design I

In Architectural Design II, students will gain advanced knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design II includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

**Course ID:** 8074; ARCHDSN2; 13004700

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## ELECTRICAL TECHNOLOGY I DUAL CREDIT (ELECTRICAL TRACK- JR. YR.)

**Credit:** 1

**Prerequisites:** Principles of 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.

**Course ID:** 8094; ELECTEC1; 13005600

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## ELECTRICAL TECHNOLOGY II DUAL CREDIT (ELECTRICAL TRACK- SR. YR.)

**Credit:** 2

**Prerequisites:** Electrical Technology I. 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.

**Course ID:** 8095; ELECTEC2; 13005700

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## PRACTICUM IN CONSTRUCTION TECHNOLOGY

**Credit:** 2

**Prerequisites:** Construction Technology II. 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. Course Fee: $30. Organization: Skills USA.

**Course ID:** 8145; PRACCT1; 13005250

**Resources:** See Instructor

**Campus Offered:** BP BW

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## CTE Arts, Audio/Video Technology & Communications
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
Resources: Principles of Arts, Audio and Video Technology and Communication; Pearson
Campus Offered: BP BW

PRINTING AND IMAGING TECHNOLOGY I (Yearbook I)
Credit: 1
Prerequisites: Application with teacher approval. Recommended - Journalism, Photojournalism, or Principals of Arts, A/V, Technology & Communication.
Careers in printing span all aspects of the industry, including prepress, press, finishing and binding operations. This course will focus on prepress and provide students with an overview of the computers and software packages used for desktop publishing as well as the opportunity to design graphics using the computer and a variety of graphic software including Adobe InDesign and Photoshop. Students will create publications such as the school magazine and yearbook.

Course ID: 5911; PRIMTEC1; 13009600
Resources: See Instructor
Campus Offered: BP BW

PRINTING AND IMAGING TECHNOLOGY II (Yearbook II)
Credit: 1
Prerequisites: Printing and Imaging Technology I
In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an advanced understanding of the printing industry with a focus on digital pre-press and desktop digital publishing. Students will create publications such as school yearbook.

Course ID: 5921; PRIMTEC2; 13009700
Resources: See Instructor
Campus Offered: BP BW

PRACTICUM IN PRINTING AND IMAGING TECHNOLOGY
Credit: 2
Prerequisites: Printing and Imaging Technology II
Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the printing industry with a focus on finishing and bindery operations and customer-based projects.

Course ID: 5931; PRACPRI1; 13009800
Resources: See Instructor
Campus Offered: BP BW

COMMERCIAL PHOTOGRAPHY I
Credit: 1
Prerequisites: Recommended - Journalism, Photojournalism, or Principals of Arts, A/V, Technology & Communication.
Students will refine their photography skills by exploring professional photographers' work and alternative techniques. They will develop experience in color photography, studio lighting, and computer skills. This course focuses on the skills needed for a career in the commercial photographic field as well as continuing to build one's personal portfolio.

Course ID: 5970; CPHOTO1; 13009100
Resources: See Instructor
Campus Offered: BP BW
COMMERCIAL PHOTOGRAPHY II

Prerequisites: Commercial Photography I

In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an advanced understanding of the printing industry with a focus on digital pre-press and desktop digital publishing. Students will create publications such as school yearbooks.

Course ID: 5971; CPHOTO2; 13009200

Resources: See Instructor

PRACTICUM IN COMMERCIAL PHOTOGRAPHY

Prerequisites: Commercial Photography II

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

Course ID: 5972; PRACCPH1; 13009250

Resources: See Instructor

GRAPHIC DESIGN & ILLUSTRATION I + LAB


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 and design.

Course ID: 8128; GRDLAB1; 13008810

Resources: Learning Graphic Design and Illustration; Pearson

GRAPHIC DESIGN AND ILLUSTRATION II W/ LAB

Prerequisites: Graphic Design and Illustration I

Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

Course ID: 8129; GRDLAB2; 13008910

Resources: See Instructor

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION

Prerequisites: Graphic Design and Illustration II w/ Lab

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in this field, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Course ID: 8269; PRACGRD1; 13009000

Resources: See Instructor
AUDIO/VIDEO PRODUCTION I + LAB  
**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; AVPLAB1; 13008510  
**Resources:** Television Production and Broadcast Journalism; Goodheart Wilcox  
**Campus Offered:** BP BW

AUDIO/VIDEO PRODUCTION II + LAB  
**Prerequisites:** Audio/Video Production I. 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; AVPLAB2; 13008610  
**Resources:** Television Production and Broadcast Journalism; Goodheart Wilcox  
**Campus Offered:** BP BW

PRACTICUM OF AUDIO/VIDEO PRODUCTION  
**Prerequisites:** Audio/Video Production II or Graphic Design and Illustration I. Grade 12.  
Careers in audio/video production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.  
**Course ID:** 8267; PRACAVP1; 13008700  
**Resources:** See Instructor  
**Campus Offered:** BP BW

SPORTS AND ENTERTAINMENT MARKETING  
**Prerequisites:**  
Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.  
**Course ID:** 8270; SPORTSEM; 13034600  
**Resources:** See Instructor  
**Campus Offered:** BP BW

**CTE Business Management & Administration**

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE  
**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  
**Resources:** Business Marketing, Finance, IT & Media; ICEV  
**Campus Offered:** BP BW
BUSINESS INFORMATION MANAGEMENT I

**Prerequisites:** Principles of Business, Marketing, and Finance. 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. Organization: Business Professionals of America.

**Course ID:** 8160; BUSIM1; 13011400

**Resources:** Microsoft Office 2013 Illustrated Introductory, First Course; Cengage Learning

**Campus Offered:** BP BW

BUSINESS INFORMATION MANAGEMENT I DUAL CREDIT

**Prerequisites:** Principles of Business, Marketing, and Finance. 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. Organization: Business Professionals of America.

**Course ID:** 8164; BUSIM1; 13011400

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

BUSINESS INFORMATION MANAGEMENT II

**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. Organization: Business Professionals of America.

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

**Resources:** Microsoft Office 2013 Illustrated Introductory, Second Course; Cengage Learning

**Campus Offered:** BP BW

ACCOUNTING I

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

In Accounting I, students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making. Organization: Business Professionals of America.

**Course ID:** 8170; ACCOUNT1; 13016600

**Resources:** Century 21 Accounting Multicolumn Journal; Cengage Learning

**Campus Offered:** BP BW

ENTREPRENEURSHIP

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

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

**Resources:** Entrepreneurship; Goodheart Wilcox

**Campus Offered:** BP BW
FINANCIAL MATHEMATICS

**Prerequisites:** Algebra 1. Grades 11-12.

This is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Mathematics can be used as third math credit under the Foundation Graduation Plan (HB 5). Organization: Business Professionals of America.

**Course ID:** 8171; FINMATH; 13018000

**Resources:** Real Life Financial Mathematics; Decker & Associates

**Campus Offered:** BP BW

TOUCH SYSTEM DATA ENTRY

**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 OR Health Occupations Students of America.

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

**Resources:** Century 21 Computer Skills and Applications; Cengage

**Campus Offered:** BP BW

MEDICAL TERMINOLOGY

**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: Business Professionals of America OR Health Occupations Students of America.

**Course ID:** 8205; MEDTERM; 13020300

**Resources:** Introduction to Medical Terminology; Goodheart Wilcox

**Campus Offered:** BP BW

MEDICAL TERMINOLOGY DUAL CREDIT

**Prerequisites:** None.

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.

**Course ID:** 8204; MEDTERM; 13020300

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

HEALTH INFORMATICS

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

The Health Informatics course is designed to provide knowledge of one of the fastest growing areas in both academic and professional fields. The large gap between state of the art computer technologies and the state of affairs in health care information technology has generated demand for information and health professionals who can effectively design, develop, and use technologies such as electronic medical records, patient monitoring systems, and digital libraries, while managing the vast amount of data generated by these systems. Organization: Business Professionals of America OR Health Occupations Students of America

**Course ID:** 8217; HLTHINF; 13020960

**Resources:** See Instructor

**Campus Offered:** BP BW
CTE Business Management & Administration

**PRACTICUM IN BUSINESS MANAGEMENT**

**Prerequisites:** Business Information Management II, Accounting I, Entrepreneurship, or Health Informatics. 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.

Students who are working within the Business Health track will have a student material fee up to $135 (includes scrubs, insurance, TB test and will apply for various personal supplies.) Student must provide own transportation. Certifications within this practicum are: 1) Billing and Coding, 2) Electronic Health Record Specialist, and 3) Medical Administrative Assistant. Organization: Business Professionals of America AND/OR Health Occupations Students of America.

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

**Campus Offered:** BP BW

**Resources:** Cengage Working SE; Cengage

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**CTE Education & Training**

**PRINCIPLES OF EDUCATION AND TRAINING**

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

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

Organization: Texas Association of Future Educators (TAFE).

**Course ID:** 8228; **PRINEDTR;** 13014200

**Campus Offered:** BP BW

**Resources:** Putting it All Together Education and Training; Pearson

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**HUMAN GROWTH AND DEVELOPMENT**

**Prerequisites:** Principles of Education and Training. Grades 10-12.

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Organization: Texas Association of Future Educators (TAFE).

**Course ID:** 8235; **HUGRDEV;** 13014300

**Campus Offered:** BP BW

**Resources:** Human Growth and Development; Pearson

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**INSTRUCTIONAL PRACTICES**

**Prerequisites:** Human Growth and Development. Grades 11-12.

Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Organization: Texas Association of Future Educators (TAFE).

**Course ID:** 8240; **INPRAC;** 13014400

**Campus Offered:** BP BW

**Resources:** See Instructor

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**PRACTICUM IN EDUCATION AND TRAINING**

**Prerequisites:** Instructional Practices. Grade 12.

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. 

Organization: Texas Association of Future Educators (TAFE).

**Course ID:** 8241; PRACEDT1; 13014500

**Resources:** Educational Foundations; Cengage Learning

**Campus Offered:** BP BW

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**PRINCIPLES OF HEALTH SCIENCE**

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

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

**Resources:** DHO Diversified Health Occupations; Cengage Learning

**Campus Offered:** BP BW

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**MEDICAL TERMINOLOGY**

**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

**Resources:** Introduction to Medical Terminology; Goodheart Wilcox

**Campus Offered:** BP BW

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**MEDICAL TERMINOLOGY DUAL CREDIT**

**Prerequisites:** None.

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:** 8204; MEDTERM; 13020300

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

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**HEALTH SCIENCE - THEORY**

**Prerequisites:** Principles of Health Science. Grades 11-12.

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Organization: Health Occupations Students of America.

**Course ID:** 8210; HLTHSCI; 13020400

**Resources:** DHO Health Science; Cengage Learning

**Campus Offered:** BP BW
HEALTH SCIENCE - THEORY + CLINICAL ROTATIONS  

**Prerequisites:** Application with teacher approval. Own transportation is required. Principles of Health Science & Biology. Grades 11-12.

The Health Science Clinical course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Fee: $135 (Will include scrubs, insurance, TB test, etc.). Provide own transportation. Organization: Health Occupations Students of America.

**Course ID:** 8211; 13020410; 13020410  
**Resources:** Clinical Rotations; Cengage Learning  
**Campus Offered:** BP BW

**MEDICAL MICROBIOLOGY**  

**Prerequisites:** Biology and Chemistry. Principles of Health Science and/or Medical Terminology. Grades 11-12.

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable. Medical Microbiology 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:** 8213; MICRO; 13020700  
**Resources:** Microbiology with Diseases by Body Systems Plus; Pearson  
**Campus Offered:** BW

**PATHOPHYSIOLOGY**  

**Prerequisites:** Biology and Chemistry. Recommended Medical Microbiology, Health Science - Theory or Health Science - Theory + Clinical Rotations. Grade 12.

The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Pathophysiology 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:** 8214; PATHO; 13020800  
**Resources:** Human Diseases; Cengage  
**Campus Offered:** BP BW

**TOUCH SYSTEM DATA ENTRY**  

**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 AND/OR Health Occupations Students of America.

**Course ID:** 8150; TSDATAE; 13011300  
**Resources:** Century 21 Computer Skills and Applications; Cengage  
**Campus Offered:** BP BW
BUSINESS INFORMATION MANAGEMENT I  

**Prerequisites:** Medical Terminology & Touch System Data. 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.**  
Organization: Business Professionals of America AND/OR Health Occupations Students of America.

**Course ID:** 8160; BUSIM1; 13011400

**Campus Offered:** BP BW

**Resources:** Microsoft Office 2013 Illustrated Introductory, First Course; Cengage

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BUSINESS INFORMATION MANAGEMENT I DUAL CREDIT  

**Prerequisites:** Principles of Business, Marketing, and Finance. 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 ID:** 8164; BUSIM1; 13011400

**Campus Offered:** BC

**Resources:** See Brazosport College Syllabus

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HEALTH INFORMATICS  

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

The Health Informatics course is designed to provide knowledge of one of the fastest growing areas in both academic and professional fields. The large gap between state of the art computer technologies and the state of affairs in health care information technology has generated demand for information and health professionals who can effectively design, develop, and use technologies such as electronic medical records, patient monitoring systems, and digital libraries, while managing the vast amount of data generated by these systems.  
Organization: Business Professionals of America AND/OR Health Occupations Students of America.

**Course ID:** 8217; HLTHINF; 13020960

**Campus Offered:** BP BW

**Resources:** See Instructor

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PRACTICUM IN BUSINESS MANAGEMENT  

**Prerequisites:** Health Informatics. 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.

Students who are working within the Business Health track will have a student material fee up to $135 (includes scrubs, insurance, TB test and will apply for various personal supplies.) Student must provide own transportation. Certifications within this practicum are: 1) Billing and Coding, 2) Electronic Health Record Specialist, and 3) Medical Administrative Assistant.  
Organization: Business Professionals of America AND/OR Health Occupations Students of America.

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

**Campus Offered:** BP BW

**Resources:** Cengage Working SE; Cengage
ANATOMY & PHYSIOLOGY

Credit: 1

Prerequisites: Biology and Chemistry. Grades 11-12.

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. This course is 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: 2960; ANATPHYS; 13020600

Resources: Human Anatomy and Physiology; Pearson

Campus Offered: BP BW

ANATOMY & PHYSIOLOGY DUAL CREDIT

Credit: 1

Prerequisites: Biology and Chemistry. Grades 11-12.

A study of the cells, tissues, and organ systems of the human body. Emphasis is on understanding the physiologic mechanisms maintaining homeostasis. The dynamics of cell membranes as well as the components and functions of the integumentary, skeletal, muscular, nervous, and endocrine systems will be studied. Through a variety of laboratory activities designed to complement lecture topics, students will have the opportunity to learn the anatomy of these organ systems and participate in activities which demonstrate key concepts associated with these organ systems. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. This course is 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: 2964; ANATPHYS; 13020600

Resources: See Brazosport College Syllabus

Campus Offered: BC

MATHEMATICS FOR MEDICAL PROFESSIONS

Credit: 1

Prerequisites: Algebra 1 and Geometry. Grades 11-12.

Mathematics for Medical Professionals 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. Mathematics for Medical Professions can be used as a third or fourth year advanced math course under the Foundation Graduation Plan (HB 5). Organization: Health Occupations Students of America.

Course ID: 8203; MTHMEDPR; 13020970

Resources: Math for Health Care Professionals; Cengage

Campus Offered: BP BW

PRACTICUM IN HEALTH SCIENCE

Credit: 2

Prerequisites: Application with teacher approval. Own transportation is required. Health Science - Theory + 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. Certifications within this practicum are: 1) Phlebotomy Technician, 2) EKG Technician, 3) Clinical Medical Assistant and 4) Patient Care Technician. Organization: Health Occupations Students of America.

Course ID: 8215; PRACHLS1; 13020500

Resources: See Instructor

Campus Offered: BP BW

CTE Hospitality & Tourism
**INTRODUCTION TO CULINARY ARTS**

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

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course. Fee: $20. Organization: Skills USA

**Course ID:** 8219; INCULART; 13022550

**Resources:** The Culinary Professional; Goodheart Wilcox  
**Campus Offered:** BP BW

**CULINARY ARTS**

**Prerequisites:** Introduction to Culinary Arts. Grades 10-12.

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

**Resources:** The Culinary Professional; Goodheart Wilcox  
**Campus Offered:** BP BW

**ADVANCED CULINARY ARTS**

**Prerequisites:** Culinary Arts. Grade 11-12.

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment. Course Fee: $50, includes chef jacket. Organization: Skills USA.

**Course ID:** 8222; ADCULART; 13022650

**Resources:** See Instructor  
**Campus Offered:** BP BW

**FOOD SCIENCE**

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

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

**Resources:** Principles of Food Science; Goodheart Wilcox  
**Campus Offered:** BP BW

**PRACTICUM IN CULINARY ARTS**

**Prerequisites:** Advanced Culinary Arts. 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 chef jacket. Provide own transportation. Organization: Skills USA.

**Course ID:** 8221; PRACCUL1; 13022700

**Resources:** See Instructor  
**Campus Offered:** BP BW
## 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

**Resources:** NCCER Core; Pearson

## INTRODUCTION TO WELDING

**Credit:** 1  
**Prerequisites:** Principles of Manufacturing

Introduction to Welding will introduce welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success. Closed toe shoes required to participate within the lab. Materials Fee: $50  
**Organization:** Skills USA

**Course ID:** 8329; INTRWELD; 13032250  
**Campus Offered:** BP BW

**Resources:** See Instructor

## WELDING I

**Credit:** 2  
**Prerequisites:** Principles of Manufacturing and/or Agricultural Mechanics & Metal Technology. 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; WELD1; 13032300  
**Campus Offered:** BP BW

**Resources:** NCCER Welding; Pearson

## WELDING I DUAL CREDIT

**Credit:** 2  
**Prerequisites:** Principles of Manufacturing and/or Agricultural Mechanics & Metal Technology. 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 Certification.

**Course ID:** 8334; WELD1; 13032300  
**Campus Offered:** BC

**Resources:** See Brazosport College Syllabus

## WELDING II + LAB

**Credit:** 3  
**Prerequisites:** Welding I. Grade 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; WELDLAB2; 13032410  
**Campus Offered:** BP BW

**Resources:** Texas Manufacturing Welding; Pearson
# CTE Manufacturing

## WELDING II + LAB DUAL CREDIT
**Credit:** 3

**Prerequisites:** Welding I. Grade 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—Level I certification.

**Course ID:** 8344; WELDLAB2; 13032410

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## PLUMBING TECHNOLOGY I DUAL CREDIT (Pipefitting - Jr. Year)
**Credit:** 1

**Prerequisites:** Principles of Manufacturing and/or Agricultural Mechanics & Metal Technology. 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.

**Course ID:** 8134; PLTECH1; 13006000

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## PLUMBING TECHNOLOGY II DUAL CREDIT (Pipefitting - Sr. Year)
**Credit:** 2

**Prerequisites:** Plumbing Technology I. 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.

**Course ID:** 8144; PLTECH2; 13006100

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## PRECISION METAL MANUFACTURING I DUAL CREDIT (Machine Shop/Millwright - Jr. Year)
**Credit:** 2

**Prerequisites:** Principles of Manufacturing and/or Agricultural Mechanics & Metal Technology. 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.

**Course ID:** 8354; PREMMAN1; 13032500

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC
# CTE Manufacturing

## PRECISION METAL MANUFACTURING II + LAB DUAL CREDIT (Machine Shop/Millwright - Sr. Year)

**Prerequisites:** Precision Metal Manufacturing I (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.

**Course ID:** 8364; PRMMLAB2; 13032610

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## INTRODUCTION TO PROCESS TECHNOLOGY DUAL CREDIT (PROCESS TECH TRACK-FALL OF JR. YR.)

**Prerequisites:** Principles of Technology or Principles of Manufacturing. Grades 11-12.

The introduction to Process Technology course is an overview of the various industries using process technology, such as petrochemical plants, refineries, oil and gas production, and power generation. In addition to applied chemistry, physics, and math, topics include the responsibilities and work environment required in process technology fields; basic processes, equipment and systems; and safety, environmental, and quality concepts associated with the work environment of a process technician. This course will acquaint students with entry-level career opportunities available and the required certification/post-secondary educational requirements for each.

**Course ID:** 8374; INTRPT; N1300262

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## OIL & GAS PRODUCTION I DUAL CREDIT (PROCESS TECH TRACK-SPRING OF JR. YR.)

**Prerequisites:** Introduction to Process Technology. Grades 11-12.

In Oil and Gas Production I, students will identify specific career opportunities and skills, abilities, tools, certification, and safety measures associated with each career. Students will also understand components, systems, equipment, and production and safety regulations associated with oil and gas wells. To prepare for careers in oil and gas production, students must attain academic skills and knowledge, acquire technical knowledge and skills related to oil and gas production and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

**Course ID:** 8504; OILGP1; 13001250

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

## OIL & GAS PRODUCTION II DUAL CREDIT (PROCESS TECH TRACK-FALL OF SR. YR.)

**Prerequisites:** Oil & Gas Production I. Grade 12.

In Oil and Gas Production II, students will gain knowledge of the specific requirements for entry into postsecondary education and employment in the petroleum industry; research and discuss petroleum economics; research and discuss the modes of transportation in the petroleum industry; research and discuss environmental, health, and safety concerns; research and discuss different energy sources; and prepare for industry certification. To prepare for careers in oil and gas production, students must attain academic skills and knowledge, acquire technical knowledge and skills related to oil and gas production and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

**Course ID:** 8514; OILGP2; 13001260

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC
## CTE Manufacturing

### PETROCHEMICAL SAFETY, HEALTH & ENVIRONMENT DUAL CREDIT (PROCESS TECH TRACK-SPRING OF SR. YR.)

**Credit:** 1

**Prerequisites:** Oil & Gas Production II. Grade 12.

The Petrochemical Safety, Health, and Environment course provides opportunities for students to learn about environmentally sound work habits within the petrochemical industry. Settings include but are not limited to, petrochemical plants, refineries, oil and gas production plants, and power generation plants. Emphasis will be on safety, health, and environmental considerations in the performance of all job tasks and regulatory compliance matters. Topics include components of plant safety, environmental programs, and the role of a process and production technician in relation to safety, health and environmental equipment uses.

**Course ID:** 8524; PSHAE; N1300264

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

### MANUFACTURING ENGINEERING TECH I DUAL CREDIT (INSTRUMENTATION TRACK- FALL OF JR. YR.)

**Credit:** 1

**Prerequisites:** Principles of Manufacturing. Grades 11-12.

In Manufacturing Engineering Technology I, students will 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. Students will prepare for success in the global economy. The study of manufacturing engineering will allow 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.

**Course ID:** 8084; MANENGT1; 13032900

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

### AC/DC ELECTRONICS DUAL CREDIT (INSTRUMENTATION TRACK-SPRING OF JR. YR.)

**Credit:** 1

**Prerequisites:** Principles of Manufacturing and Manufacturing Engineering Tech I. Grades 11-12.

AC/DC Electronics focuses on the basic electricity principles of alternating current/direct current (AC/DC) circuits. Students 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.

**Course ID:** 8124; MANENGT2; 13036800

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

### OIL & GAS PRODUCTION I DUAL CREDIT (INSTRUMENTATION TRACK- FALL OF SR. YR.)

**Credit:** 1

**Prerequisites:** Manufacturing Tech I and AC/DC Electronics. Grade 12.

In Oil and Gas Production I, students will identify specific career opportunities and skills, abilities, tools, certification, and safety measures associated with each career. Students will also understand components, systems, equipment, and production and safety regulations associated with oil and gas wells. To prepare for careers in oil and gas production, students must attain academic skills and knowledge, acquire technical knowledge and skills related to oil and gas production and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

**Course ID:** 8504; OILGP1; 13001250

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC
CTE Manufacturing

DIGITAL ELECTRONICS DUAL CREDIT (INSTRUMENTATION TRACK-SPRING OF SR. YR.)  Credit: 1

Prerequisites:  Oil & Gas Production I. Grade 12.

Digital Electronics is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discrete voltages or logic levels. NOTE: This course cannot be awarded credit if a student has taken PLTW Digital Electronics.

Course ID: 8264; DIGELC; 13037600

Resources:  See Brazosport College Syllabus

Campus Offered: BC

CTE Science, Technology, Engineering & Math (STEM)

PRINCIPLES OF TECHNOLOGY  Credit: 1

Prerequisites:  Biology or IPC; Algebra I. Grades 10-12.

In Principles of Technology, students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices. This course counts as a science credit under the Foundation Graduation Plan.

Course ID: 8386; PRINTECH; 13037100

Resources:  See Instructor

Campus Offered: BP BW

PROJECT LEAD THE WAY: INTRODUCTION TO ENGINEERING DESIGN  Credit: 1

Prerequisites:  None

Students study the engineering design process, applying math, science, and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in collaborative teams to identify, research, test, refine, develop, and communicate design solutions using industry practices, standards, and tools. Utilizing PLTW’s activity-project-problem-based teaching and learning strategies students’ progress from structured activities to complex projects that require detailed planning, documentation, and communication. The course’s rigorous pace requires students to develop an engineering mindset. Students apply industry accepted technical communication skills in visual representation using industry-standard 3D design technology as well as professional and industry specific documentation processes. The development of computational methods in engineering problem solving, including statistical analysis and mathematical modeling are emphasized.

Course ID: 8387; IED; N1303742

Resources:  See Instructor

Campus Offered: BP BW

PROJECT LEAD THE WAY: PRINCIPLES OF ENGINEERING  Credit: 1

Prerequisites:  Project Lead the Way: Introduction To Engineering Design

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. This course can be used as third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

Course ID: 8390; ENGSCIENCE; 13037500

Resources:  See Instructor

Campus Offered: BP BW
### PROJECT LEAD THE WAY: DIGITAL ELECTRONICS

**Prerequisites:** Algebra I, Geometry, PLTW Introduction to Engineering Design, PLTW Principles of Engineering

From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. Note: Students may not receive credit for this and dual credit digital electronics.

**Course ID:** 8391; DIGELC; 13037600

**Resources:** See Instructor

**Campus Offered:** BW

### ROBOTICS I

**Prerequisites:** Project Lead the Way: Introduction To Engineering Design

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

**Course ID:** 8400; ROBOTIC1; 13037000

**Resources:** Basic Robotics; Cengage

**Campus Offered:** BP BW

### ROBOTICS II

**Prerequisites:** Robotics I. Grades 11-12.

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. Robotics II can be used as third year advanced math credit under the Foundation Graduation Plan (HB 5).

**Course ID:** 8401; ROBOTIC2; 13037050

**Resources:** See Instructor

**Campus Offered:** BP BW

### ENGINEERING DESIGN & PROBLEM SOLVING - ROBOTICS III

**Prerequisites:** Robotics II. Biology. Algebra I and Geometry. Grade 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 includes independent reading, writing, and research components that will exceed those presented in an on-level course 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

**Resources:** See Instructor

**Campus Offered:** BP BW

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

**Prerequisites:** PLTW Introduction to Engineering Design. Biology. IPC, Chemistry, Physics, or concurrent enrollment in Chemistry. PLTW Principles of Engineering (or concurrent enrollment).

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 includes independent reading, writing, and research components that will exceed those presented in an on-level course 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

**Resources:** See Instructor

**Campus Offered:** BP BW
PRACTICUM OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) - SYSTEMS GO! (ROCKETS 2)

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

Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: 8395; PRCSTEM1; 13037400

Resources: See Instructor

Campus Offered: BP BW

AUTOMOTIVE TECHNOLOGY I DUAL CREDIT (AUTOMOTIVE CHASSIS TRACK- SOPH. YR.)

Prerequisites: Grades 10-12.

Students will gain knowledge and skills in the repair, maintenance, and diagnosis of a vehicle system. This course provides specific training for entry-level employment in the automotive technician career field. Areas covered include use of repair manuals and service and repair of basic components of an automobile such as fuel systems, engines, emission control, power trains, chassis, electrical systems, brakes, and heating and air conditioning. Students will reinforce, apply, and transfer academic knowledge to a relevant setting.

Course ID: 8404; AUTOTEC1; 13039600

Resources: See Brazosport College Syllabus

Campus Offered: BC

AUTOMOTIVE TECHNOLOGY II / ADVANCED TRANSPORTATION SYSTEMS LAB DUAL CREDIT (AUTOMOTIVE CHASSIS TRACK- JR. YR.)

Prerequisites: Automotive Technology I Dual Credit. Grades 11-12.

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

Course ID: 8414; AUTOLAB2; 13039710

Resources: See Brazosport College Syllabus

Campus Offered: BC

PRACTICUM IN TRANSPORTATION SYSTEMS DUAL CREDIT (AUTOMOTIVE CHASSIS TRACK- SR. YR.)

Prerequisites: Automotive Technology II Dual Credit. Grade 12.

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories.

Course ID: 8424; EXPRTRS1; 13040455

Resources: See Brazosport College Syllabus

Campus Offered: BC
CTED Career and Tech. Ed. Courses for Students with Disabilities

CTED - CULINARY ARTS

**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

**Resources:** The Culinary Professional; Goodheart Wilcox

Campus Offered: BP BW

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CTED - BUSINESS INFORMATION MANAGEMENT I

**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 and postsecondary education.

**Course ID:** 8161; BUSIM1; 13011400

**Resources:** Microsoft Office 2013 Illustrated Introductory, First Course; Cengage Learning

Campus Offered: BP BW

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Air Force Jr. ROTC

AIR FORCE JR. ROTC I

**Prerequisites:** None.

This course is comprised of Aerospace Science, Leadership Education, Drill and Ceremonies, and a Wellness program. The Aerospace Science portion is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations and flight and progresses to future developments in aerospace with an introduction into cyber technologies. Leadership Education is intended for students entering the JROTC program. It will introduce cadets to history, organization, mission, traditions, goals and objectives of JROTC for all services. This course covers a multitude of areas to include, military customs, and courtesies, how to project a positive attitude, ethical and moral behavior, violence in today’s society and prevention of bullying behavior, to name a few. The Drill and Ceremonies area concentrates on elements of military drill, individual and group movements, procedures for saluting, drill, ceremonies, reviews, parades and development of the command voice. The Wellness is to help motivate cadets to adopt active, healthy lifestyles to carry into their adult lives. Team sports are encouraged to keep the Wellness Program fun and motivating and provide cadets the opportunity to develop leadership skills and build esprit de corps. To successfully complete the course, students are required to properly wear the uniform once a week and meet all uniforms 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

**Resources:** See Instructor

Campus Offered: BW

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AIR FORCE JR. ROTC II

**Prerequisites:** ROTC I.

This course is comprised of Aerospace Science, Leadership Education, Drill and Ceremonies, and the Wellness program. The Aerospace Science course is an introductory course and customized textbook that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body and flight navigation. The course is designed to complement materials taught in math, physics, and other science-related courses. Leadership Education is a customized course designed to improve communication, enhance awareness of self and others, and provide fundamentals of leadership and followership. The course focuses on the AFJROTC mission to “develop citizens of character dedicated to serving their nation and community.” The Drill and Ceremonies area concentrates on elements of military drill, individual and group movements, procedures for saluting, drill, ceremonies, reviews, parades and development of the command voice. Wellness is to help motivate cadets to adopt active, healthy lifestyles to carry into their adult lives. Team sports are encouraged to keep the Wellness Program fun and motivating and provide cadets the opportunity to develop leadership skills and build esprit de corps. To successfully complete the course, students are required to properly wear the uniform once a week and meet all uniforms 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

**Resources:** See Instructor

Campus Offered: BW
AIR FORCE JR. ROTC

AIR FORCE JR. ROTC III  

**Prerequisites:** ROTC I and II.  

This course is comprised of Aerospace Science, Leadership Education, Drill and Ceremonies, and Wellness program. The Aerospace Science area includes the latest information in space science and space exploration. It covers points of interest in Astronomy and provides an in-depth study of the solar system. Additionally it discusses issues critical to travel in the upper atmosphere, orbits and trajectories, manned and unmanned space flights, human aspects of spaceflight 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 how to become a more confident financial planner and to save, invest, and spend money wisely, as well as how to avoid the credit trap. This self-understanding will allow them to explore career paths and understand requirements that they will need to succeed at work and life. The Drill and Ceremonies area concentrates on military drill, individual and group movements, procedures for saluting, ceremonies, parades and development of the command voice. Wellness is to help motivate cadets to adopt active, healthy lifestyles to carry into their adult lives. Team sports are encouraged to keep the Wellness Program fun and motivating and provide cadets the opportunity to develop leadership skills and build esprit de corps. To successfully complete the course, students are required to properly wear the uniform once a week and meet all uniforms 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

**Resources:** See Instructor

**Campus Offered:** BW

AIR FORCE JR. ROTC IV  

**Prerequisites:** ROTC I, II and III.  

This course is comprised of Aerospace Science, Leadership Education, Drill and Ceremonies, Wellness Program, and Management of the Cadet Corps. The Aerospace science portion is a customized course about the world’s cultures. This specifically created course for JROTC programs introduces students to the world’s cultures through the study of world affairs, regional studies, and cultural awareness. It looks at major events and significant figures that have shaped each region of our world. The 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 Management of the Cadet Corps program is a hands-on experience giving the cadets the opportunity to put theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling and decision-making will be done by the cadets. They will put into practice the skills they have learned. The Drill and Ceremonies area concentrates on elements of military drill, individual and group movements, procedures for saluting, drill, ceremonies, reviews, parades and development of the command voice. The Wellness is to help motivate cadets to adopt active, healthy lifestyles to carry into their adult lives. Team sports are encouraged to keep the Wellness Program fun and motivating and provide cadets the opportunity to develop leadership skills and build esprit de corps. To successfully complete the course, students are required to properly wear the uniform once a week and meet all uniforms 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

**Resources:** See Instructor

**Campus Offered:** BW

Other Courses

AP SEMINAR  

**Prerequisites:** Grade 10-12  

In AP Seminar, students investigate real world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

**Note:** Due to the required collaboration in the AP Seminar research process, the course assessment is required for course participation.

**Course ID:** 5401; APSMNR; N11300026

**Resources:** See Instructor.

**Campus Offered:** BP BW
AP RESEARCH  
**Prerequisites:** AP Seminar; Grade 11-12  
In AP Research, students cultivate the skills and discipline necessary to conduct independent research and inquiry in order to produce and defend their scholarly work. AP Research is designed to allow students to dive into an academic topic, problem, or issue of individual interest. Students will further develop the skills acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4,000-5,000 words and a presentation with an oral defense during which the student will answer questions about his or her academic paper. In the AP Research course, students will: • Employ research and inquiry methodology to develop, manage, and conduct an in-depth study or investigation of an area of student’s own interest, culminating in a 4,000 – 5,000 word paper. • Present (using appropriate media), and defend the research design, approach, and findings. • Document and reflect upon the research process and communication with mentor using a research log.

Note: Due to the complexity and time frame of the AP Research process, the course assessment is required for course participation.

**Course ID:** 5402; APRES; N1100014

**Resources:** See Instructor.

**Campus Offered:** BP BW

**COLLEGE TRANSITIONS DUAL CREDIT (BRAZOSPORT & BRAZOSWOOD HIGH SCHOOLS)**  
**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:** 9561; COLLTRAN; N1290050

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BP BW

**COLLEGE TRANSITIONS DUAL CREDIT (BRAZOSPORT COLLEGE)**  
**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

**Resources:** See Brazosport College Syllabus

**Campus Offered:** BC

**COLLEGE READINESS AND PREPARATION**  
**Prerequisites:** Grades 10-12.

College Readiness focuses on preparing students for college. Students will participate in preparation for college entrance exams, review the college applications and admission process, learn how to apply for scholarships, and write application essays. This course is for local credit only.

**Course ID:** 9250; CLGRDPRP; 85000215

**Resources:** See Instructor

**Campus Offered:** BP BW
OFFICE ASSISTANT

Credit: .5-1 (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. This course can only be counted as a local credit.

**Course ID:** 93XX (depending on assignment); TASSIST; 8500930

**Resources:** See Instructor

**Campus Offered:** BP BW

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PEER ASSISTANCE AND LEADERSHIP I, II

Credit: 0.5 for each level

**Prerequisites:** Principals of Education and Training. Human Growth and Development. Application Process

This course is a peer helping program in which selected high school students will be trained to work as peer facilitators with other students in all grade levels (K-12). 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

**Resources:** See Instructor

**Campus Offered:** BP BW

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PEER ASSISTANCE AND LEADERSHIP III

Credit: 1 (Local Credit Only)

**Prerequisites:** PALS I & II. Application process required for all.

This course is a peer helping program in which selected high school students will be trained to work as peer facilitators with other students in all grade levels (K-12). 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. Note: This serves as a 2nd full year PALS course and is only for local credit.

**Course ID:** 9522

**Resources:** See Instructor

**Campus Offered:** BP BW

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PRACTICUM IN HUMAN SERVICES (PALS III)

Credit: 2

**Prerequisites:** PALS I & II. Application process required for all.

This course is a peer helping program in which selected high school students will be trained to work as peer facilitators with other students in all grade levels (K-12). 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. Note: This is a 2 period practicum level course.

**Course ID:** 9521; PRACHUS1; 13025000

**Resources:** See Instructor

**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

**Resources:** See Instructor

**Campus Offered:** BP BW
### TEEN LEADERSHIP

**Credit:** 1 (two 0.5 credits)

**Prerequisites:** All BISD freshmen are required to complete this course. This course will fulfill the required credits needed for Professional Communications (Speech) and Health Education.

Teen Leadership is a course in which students develop leadership, professional, and business skills. Students will learn to develop a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility. Students complete multiple state requirement for graduation in this course including CPR and civilian interaction training.

This course is awarded .5 credit of Leadworthy (semester 1) and .5 credit of Health Education (semester 2). This course is not eligible for yearlong averaging due to the awarding of separate half-credits.

**Course ID:** S1: 9440A; LDWRTY; N1290012; S2: 9440B; HLTH ED; 03810100

**Resources:** Leadworthy

**Campus Offered:** BP BW

### INDEPENDENT LIVING I

**Credit:** 1 (two credits)

**Prerequisites:** Placement by committee only.

Course will provide basic information and skills necessary for daily living in a supported/independent adult life with supports as needed. Focusing on areas of personal information and responsibility, communication, promoting wellness and nutrition, basic safety, community resources and basic financial awareness.

**Course ID:** S1: 9051A; LDWRTY; N1290012; S2: 9051B; HLTH ED; 03810100

**Resources:** See Instructor

**Campus Offered:** BP BW

### INDEPENDENT LIVING II

**Credit:** 1

**Prerequisites:** Placement by committee only.

Course will provide increased information and planning skills necessary for daily living in a supported/independent adult life with minimal supports as needed. Focusing on areas of personal information and responsibility, communication, promoting wellness and nutrition, basic safety, community resources and financial awareness.

**Course ID:** 9052; GEMPLS; N1270153

**Resources:** See Instructor

**Campus Offered:** BP BW

### INDEPENDENT LIVING IIIA

**Credit:** .5

**Prerequisites:** Placement by committee only.

Course will provide advanced information and planning skills necessary for daily living in a supported/independent adult life with higher level of independence outcome. Focusing on areas of personal information and responsibility, communication, promoting wellness and nutrition, basic safety, community resources and financial abilities.

**Course ID:** 9053A; OSET1 N1303680

**Resources:** See Instructor

**Campus Offered:** BP BW

### INDEPENDENT LIVING IIIB

**Credit:** .5

**Prerequisites:** Placement by committee only.

Course will provide advanced information and planning skills necessary for daily living in a supported/independent adult life with higher level of independence outcome. Focusing on areas of personal information and responsibility, communication, promoting wellness and nutrition, basic safety, community resources and financial abilities.

**Course ID:** 9053B; ENTREP; 13034400

**Resources:** See Instructor

**Campus Offered:** BP BW
### DOMESTICS I

**Prerequisites:** Placement by committee only.

Course will provide focus on the basic safety and skills needed in and around daily home living environment. Focusing on identifying kitchen skills/tools, food handling, cleanliness of living environment and personal clothing needs, with supports and prompts as needed at the basic ability level.

**Course ID:** 9021; FOODTS; 13001300

**Resources:** See Instructor

**Campus Offered:** BP BW

**Credit:** 1

### DOMESTICS IIA

**Prerequisites:** Placement by committee only.

Course will provide focus on the basic safety and skills of internet, social media use and electronic communication.

**Course ID:** 9022A - CYBERC; N1260001

**Resources:** See Instructor

**Campus Offered:** BP BW

**Credit:** .5

### DOMESTICS IIB

**Prerequisites:** Placement by committee only.

Course will provide focus on the basic safety and skills needed in and around daily home living environment. Focusing on use of kitchen skills/tools, food handling, cleaning of living environment and personal clothing needs, with supports and prompts as needed.

**Course ID:** 9022B; LNURTWEL; 13024500

**Resources:** See Instructor

**Campus Offered:** BP BW

**Credit:** .5

### DOMESTICS III

**Prerequisites:** Placement by committee only.

Course will focus on the safety and skills needed in and around daily home living environment. Focusing on use of kitchen skills/tools, food handling, cleaning of living environment and personal clothing needs, with supports and minimal prompts as needed.

**Course ID:** 9023; Food Processing; 13001400

**Resources:** See Instructor

**Campus Offered:** BP BW

**Credit:** 1

### DOMESTICS IV

**Prerequisites:** Placement by committee only.

Course will focus on the safety and skills needed in and around daily home living environment. Focusing on use of kitchen skills/tools/appliances, food handling, cleaning of living environment and personal clothing needs, at independent level.

**Course ID:** 9024; FOODSCI; 13023000

**Resources:** See Instructor

**Campus Offered:** BP BW

**Credit:** 1

### CBI/CBVI I

**Prerequisites:** Placement by committee only.

Course focus will be on the development of skills for transition to a supported work environment and promotion of safe social and community skills. Course may involve instruction on campus or in the community working on student strengths and interests. Intended to support transition into life skills and supported work environments.

**Course ID:** 9041; PRNHUSR; 13024200

**Resources:** See Instructor

**Campus Offered:** BP BW

**Credit:** 1
### CBI/CBVI II
- **Prerequisites:** Placement by committee only.
- **Course focus:** Generalization of skills for transition to a work environment and promotion of safe social and community skills. Course may involve instruction on campus or in the community working on student strengths and interests. Intended to support transition into life skills and supported work environments.
- **Course ID:** 9042; BUSIM1; 13011400
- **Resources:** See Instructor
- **Campus Offered:** BP BW

### CBI/CBVI IIIA
- **Prerequisites:** Placement by committee only.
- **Course focus:** Professional and social communication skills for transition to a work environment, social gatherings and community interactions. Course may involve instruction on campus or in the community. Intended to support transition into life skills, supported work environments and appropriate community members.
- **Course ID:** 9043A; PROFCOMM; 13009900
- **Resources:** See Instructor
- **Campus Offered:** BP BW

### CBI/CBVI IIIB
- **Prerequisites:** Placement by committee only.
- **Course focus:** Professional and social communication skills for transition to a work environment, social gatherings and community interactions. Course may involve instruction on campus or in the community. Intended to support transition into life skills, supported work environments and appropriate community members.
- **Course ID:** 9043B; COMMAPP; 3241400
- **Resources:** See Instructor
- **Campus Offered:** BP BW

### CBI/CBVI IV
- **Prerequisites:** Placement by committee only.
- **Course focus:** Knowledge, skills and use of local transportation skills for transition to a supported work environment and promotion of safe social and community skills. Course may involve instruction on campus or in the community. Intended to support transition into life skills, supported work environments and community involvement.
- **Course ID:** 9044; MNGTRSY; 13040200
- **Resources:** See Instructor
- **Campus Offered:** BP BW

### SOCIAL STREAMING I
- **Prerequisites:** Placement by committee only.
- **Course focus:** 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. All students that are part of the BEST program will be in the Social Streaming class one period a day as long as they are ARDeed to be part of the BEST program.
- **Course ID:** S1: 9071A; LDWRTY; N1290012; S2: 9071B; HLTH ED; 03810100
- **Resources:** See Instructor
- **Campus Offered:** BP BW
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**Prerequisites:** Placement by committee only.

- **SOCIAL STREAMING II:**
  - This course provides 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. All students that are part of the BEST program will be in the Social Streaming class one period a day as long as they are ARDed to be part of the BEST program.

  **Course ID:** 9072; GEMPLS; N1270153
  **Campus Offered:** BP BW
  **Resources:** See Instructor

- **SOCIAL STREAMING III:**
  - This course provides 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. All students that are part of the BEST program will be in the Social Streaming class one period a day as long as they are ARDed to be part of the BEST program.

  **Course ID:** 9073; OSET1; N1303680
  **Campus Offered:** BP BW
  **Resources:** See Instructor

- **SOCIAL STREAMING IV:**
  - This course provides 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. All students that are part of the BEST program will be in the Social Streaming class one period a day as long as they are ARDed to be part of the BEST program.

  **Course ID:** 9074; ENTREP; 13034400
  **Campus Offered:** BP BW
  **Resources:** See Instructor

- **TRANSITION CENTER I:**
  - Program designed for Adult students which have completed their required credits for graduation standards, are between the ages of 18 and 22 years of age and that need to continue to work on IEP goals / objectives. Transition center will work towards generalization of skills for supported and/or independent living, work skills, community skills, transportation skills and self-advocacy skills necessary in post-secondary life. Program will also include agency exploration and collaboration. Instruction occurs in the community as well as Transition Center based on student interest and strengths.

  **Course ID:** 9091; LOCAL
  **Campus Offered:** BP BW
  **Resources:** See Instructor

- **TRANSITION CENTER II:**
  - Program designed for Adult students which have completed their required credits for graduation standards, are between the ages of 18 and 22 years of age and that need to continue to work on IEP goals / objectives. Transition center will work towards generalization of skills for supported and/or independent living, work skills, community skills, transportation skills and self-advocacy skills necessary in post-secondary life. Program will also include agency exploration and collaboration. Instruction occurs in the community as well as Transition Center based on student interest and strengths.

  **Course ID:** 9092; LOCAL
  **Campus Offered:** BP BW
  **Resources:** See Instructor
Other Courses

TRANSITION CENTER III

Course ID: 9093; LOCAL

Prerequisites: Placement by committee only.

Program designed for Adult students which have completed their required credits for graduation standards, are between the ages of 18 and 22 years of age and that need to continue to work on IEP goals / objectives. Transition center will work towards generalization of skills for supported and/or independent living, work skills, community skills, transportation skills and self-advocacy skills necessary in post-secondary life. Program will also include agency exploration and collaboration. Instruction occurs in the community as well as Transition Center based on student interest and strengths.

Resources: See Instructor

Campus Offered: BP BW

Credit: 1 (Local Credit Only)

TRANSITION CENTER IV

Course ID: 9094; LOCAL

Prerequisites: Placement by committee only.

Program designed for Adult students which have completed their required credits for graduation standards, are between the ages of 18 and 22 years of age and that need to continue to work on IEP goals / objectives. Transition center will work towards generalization of skills for supported and/or independent living, work skills, community skills, transportation skills and self-advocacy skills necessary in post-secondary life. Program will also include agency exploration and collaboration. Instruction occurs in the community as well as Transition Center based on student interest and strengths.

Resources: See Instructor

Campus Offered: BP BW

Credit: 1 (Local Credit Only)

WORK BASED LEARNING

Course ID: 9095; LOCAL

Prerequisites: Placement by committee only once chosen through interview process as a Dow Project SEARCH Intern

Course focus will be on career education through development of skills for the work place based on the student's specific need based on vocational work place and needs.

Resources: See Instructor

Campus Offered: BP BW

Credit: 1 (Local Credit Only)

ENGLISH WITH OPPORTUNITIES I, II, III

Course ID: 4001; READ1; 032070700; 4002; READ2; 032070800; 4003; READ3; 032070900

Prerequisites: Placement by Committee 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.

Resources: See Instructor

Campus Offered: BP BW

Credit: 1

SPECIAL TOPICS IN LANGUAGE AND CULTURE

Course ID: 5522; SPECTLC; 11410000

Prerequisites: Spanish I. Placement by committee only.

This course strengthens conversation and communication skills. Students produce conversations and learn to understand short spoken narratives with comprehension and without translation material. Stress is placed on the accurate speaking and understanding of familiar syntax (grammatical) and lexical (vocabulary) items used in the listening and speaking strand of the program. Through identification of the principle heroes, leaders, and traditions of the Hispanic world, students continue their study of Hispanic culture.

Resources: Texas Asi se Dice Level 2; McGraw Hill

Campus Offered: BP BW

Credit: 1

Online Courses (Edgenuity)
Online Courses (Edgenuity)

ACT/PSAT/SAT PREPARATION

Credit: .5 (Local Elective Credit)

Prerequisites: None.

Edgenuity’s Virtual Tutor courses prepare students for high-stakes tests and exams, including GED®, SAT®, ACT®, ACCUPLACER®, COMPASS®, and state tests. Each course features diagnostic assessments and prescriptive learning paths for an individualized experience.

Edgenuity is proud to offer online test preparation courses to help students improve their scores on national exams. The courses leverage diagnostic tests to identify students’ strengths and weaknesses, creating a personalized learning path for each student. They also employ Edgenuity’s proven instructional approach, including video-based instruction by expert teachers, interactive assignments, and frequent assessment.

PSAT, SAT, and ACT Test Preparation In our PSAT®, SAT®, and ACT® courses, a diagnostic pre-test is used to identify areas of opportunity and prescribe individualized paths of study on key concepts and skills.

Course ID: ; SAT/ACT; 85000921

Resources: Edgenuity

Campus Offered: Edgenuity

COMPUTER SCIENCE I

Credit: 1

Prerequisites: Algebra I. Grades 9-10. Administrator Approval.

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.

This course may count as year one of LOTE credit. Administrator approval is required for verification of eligibility and availability of resources.

**Not all colleges or universities accept this as a language credit in all fields. Interested students should contact their college or university for specific guidelines.

Course ID: 6252N; TACS1; 03580200

Resources: Edgenuity

Campus Offered: Edgenuity

COMPUTER SCIENCE II

Credit: 1

Prerequisites: Algebra I. Computer Science I. Administrator Approval.

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.

This course may count as year two of LOTE credit. Administrator approval is required for verification of eligibility and availability of resources.

**Not all colleges or universities accept this as a language credit in all fields. Interested students should contact their college or university for specific guidelines.

Course ID: 6253N; TACS2; 03580300

Resources: Edgenuity

Campus Offered: Edgenuity

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: ; PROFCOMM: 13009900

Resources: Edgenuity

Campus Offered: Edgenuity
HEALTH EDUCATION

**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. Note: This course cannot be awarded credit if Health Credit was awarded in Teen Leadership.

**Course ID:** HLTH ED; 03810100

**Resources:** Edgenuity

**Campus Offered:** Edgenuity

UNITED STATES GOVERNMENT

**Prerequisites:** U.S. History.

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:** GOVT; 03330100

**Resources:** Edgenuity

**Campus Offered:** Edgenuity

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM & ITS BENEFITS

**Prerequisites:** U.S. History.

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:** ECO-FE; 03310300

**Resources:** Edgenuity

**Campus Offered:** Edgenuity
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<td>8504</td>
<td>Oil &amp; Gas Production Systems I (Process Technology Track – JR Yr – Spring)</td>
<td>1</td>
<td>PTAC 1410</td>
<td>Process Technology I-Equipment</td>
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<tr>
<td>8514</td>
<td>Oil &amp; Gas Production Systems II (Process Tech – SR Year Fall)</td>
<td>1</td>
<td>PTAC 1432</td>
<td>Process Instrumentation I**</td>
<td>4</td>
</tr>
<tr>
<td>8524</td>
<td>Petrochemical Safety, Health &amp; Environment (Process Technology Track – SR Yr – Spring)</td>
<td>1</td>
<td>PTAC 1308</td>
<td>Safety, Health &amp; Environment</td>
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<tr>
<td>8134</td>
<td>Plumbing Technology I (Pipefitting Track – JR Yr)</td>
<td>1</td>
<td>PFPB 1308</td>
<td>Basic Pipefitting Skills</td>
<td>6</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>PFPB 1305</td>
<td>Basic Blueprint Reading for Pipefitters</td>
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<tr>
<td>8154</td>
<td>Precision Metal Manufacturing I (Machine/Millwright-JR Yr)</td>
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<td>MCHN 1325</td>
<td>Millwright I</td>
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<td>MCHN 1329</td>
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<td></td>
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<td></td>
<td>OR</td>
<td>OR</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>MCHN 1338</td>
<td>Basic Machine Shop I</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>MCHN 1341</td>
<td>Basic Machine Shop II</td>
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<tr>
<td>8144</td>
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<td>1</td>
<td>PFPB 2310/2307 OR</td>
<td>See Description</td>
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<td></td>
<td>PFPB 2310/2347</td>
<td>See Description</td>
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</tr>
</tbody>
</table>
EARN AN ASSOCIATE DEGREE

ONE YEAR
OR A BACHELOR OF APPLIED TECHNOLOGY DEGREE

THREE YEARS
AFTER HIGH SCHOOL

The Catalyst Program allows high school students to take a structured path in order to attain an associate degree in an in-demand field. Students who complete the program are ready to go straight into a high-skill, high-wage job, all within one year of graduating high school.

CURRENT PATHWAYS

Chemical (Process) Technology
Chemical (Process) Technology students learn to control or operate entire chemical processes or system of machines.

Instrumentation
Instrument technicians design, install, repair and troubleshoot the instruments and control systems used in processing plants.

Learn more today by speaking to your dual credit counselor or visiting brazosport.edu/catalyst!

In Partnership with
Course Articulation

The following table summarizes how courses in the Catalyst Program will be applied as high school credit. Please consult the official district specific signed dual credit agreement for approved articulation information.

<table>
<thead>
<tr>
<th>BC Course</th>
<th>BC Credit</th>
<th>BC Course Title</th>
<th>HS Course (BISD Course Number)</th>
<th>HS Credit</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>3</td>
<td>Composition and Rhetoric I</td>
<td>English IV (AC6124)*</td>
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</tr>
<tr>
<td>HUMA 1301</td>
<td>3</td>
<td>Introduction to Humanities</td>
<td></td>
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</tr>
<tr>
<td>MATH 1332</td>
<td>3</td>
<td>Quantitative Reasoning</td>
<td>Advanced Quantitative Reasoning (1514)*</td>
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</tr>
<tr>
<td>PSYC 1300</td>
<td>3</td>
<td>Learning Framework</td>
<td>College Readiness/College Transition (9564/9561)</td>
<td>0.5</td>
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<tr>
<td>SPCH 1315</td>
<td>3</td>
<td>Fundamentals of Speech</td>
<td>Professional Communications (5704)</td>
<td>0.5</td>
</tr>
<tr>
<td>CHEM 1305</td>
<td>4</td>
<td>Introductory Chemistry with Lab</td>
<td>Scientific Research &amp; Design: Intro Chemistry / Technical Physics (AC6134)*</td>
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<tr>
<td>CHEM 1105</td>
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<td>CTEC 1401</td>
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<td>Technical Physics with Lab</td>
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<tr>
<td>CTEC 1401L</td>
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</tr>
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<td>PTAC 1302</td>
<td>3</td>
<td>Intro to Process Technology</td>
<td>Intro to Process Technology (8374)</td>
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<tr>
<td>PTAC 1410</td>
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<td>Process Tech I – Equipment</td>
<td>Oil &amp; Gas Production Systems I (8504)</td>
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<tr>
<td>PTAC 1432</td>
<td>4</td>
<td>Process Instrumentation</td>
<td>Oil &amp; Gas Production Systems I (8514)</td>
<td>1</td>
</tr>
<tr>
<td>PTAC 1308</td>
<td>3</td>
<td>Safety, Health, Environment I</td>
<td>Petrochemical Safety, Health &amp; Environment (8524)</td>
<td>1</td>
</tr>
<tr>
<td>INTC 1401</td>
<td>4</td>
<td>Principles of Industrial Measure</td>
<td>Manufacturing Engineering Tech I (8084)</td>
<td>1</td>
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<tr>
<td>INTC 1441</td>
<td>4</td>
<td>Principles of Automatic Control</td>
<td>Digital Electronics (8264)</td>
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<tr>
<td>INTC 1315</td>
<td>3</td>
<td>Final Control Elements</td>
<td>AC/DC Electronics (8124)</td>
<td>1</td>
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<tr>
<td>ITSC 1305</td>
<td>3</td>
<td>PC Operating Systems</td>
<td>Principles of Information Technology (AC6114)</td>
<td>1</td>
</tr>
<tr>
<td>ITNW 1325</td>
<td>3</td>
<td>Fundamentals of Network Tech</td>
<td>Networking (AC6104)</td>
<td>1</td>
</tr>
</tbody>
</table>

*Course receives a 1.10 weighting.
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:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>O*net Online</strong></td>
<td><a href="http://www.onetonline.org/">www.onetonline.org/</a></td>
</tr>
<tr>
<td><strong>Mapping Your Future</strong></td>
<td><a href="http://mappingyourfuture.org/">http://mappingyourfuture.org/</a></td>
</tr>
<tr>
<td><strong>Career One Stop</strong></td>
<td><a href="http://www.careeronestop.org/StudentsandCareerAdvisors">www.careeronestop.org/StudentsandCareerAdvisors</a></td>
</tr>
<tr>
<td><strong>My Future</strong></td>
<td><a href="http://www.myfuture.com">http://www.myfuture.com</a></td>
</tr>
<tr>
<td><strong>Career Coach at Brazosport College</strong></td>
<td><a href="http://www.brazosport.edu/careercoach">www.brazosport.edu/careercoach</a></td>
</tr>
<tr>
<td><strong>Xello (formerly Career Cruising)</strong></td>
<td><a href="https://login.xello.world/">https://login.xello.world/</a></td>
</tr>
</tbody>
</table>

Researching College Information:

When doing research for colleges, find out the following information:

- Campus tour dates or special orientations for prospective students
- Degrees and programs the college offers
- Courses required 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 + Transportation (Parking, shuttle bus)
- Financial Aid and Scholarship information
- Average semester costs of attending
- Information about the city of the college
- Housing options- dorms or apartments
- On-campus dining – meal plan options

### College Information Websites:

<table>
<thead>
<tr>
<th>College Information</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Application</td>
<td><a href="http://www.commonapp.org">www.commonapp.org</a></td>
</tr>
<tr>
<td>Generation TX</td>
<td><a href="http://gentx.org">http://gentx.org</a></td>
</tr>
<tr>
<td>Big Future</td>
<td><a href="http://www.bigfuture.org">www.bigfuture.org</a></td>
</tr>
<tr>
<td>Fast Web</td>
<td><a href="http://www.fastweb.com">www.fastweb.com</a></td>
</tr>
<tr>
<td>Go College</td>
<td><a href="http://www.gocollege.com">www.gocollege.com</a></td>
</tr>
<tr>
<td>Think College</td>
<td><a href="http://www.ed.gov/">www.ed.gov/</a></td>
</tr>
<tr>
<td>The Minnie Stevens Piper Foundation</td>
<td><a href="https://comptroller.texas.gov/programs/education/msp/">https://comptroller.texas.gov/programs/education/msp/</a></td>
</tr>
<tr>
<td>Apply Texas Application</td>
<td><a href="http://www.applytexas.org">www.applytexas.org</a></td>
</tr>
<tr>
<td>Peterson’s Guide</td>
<td><a href="http://www.petersons.com">www.petersons.com</a></td>
</tr>
<tr>
<td>Know How 2 Go</td>
<td><a href="http://www.KnowHow2GO.org">www.KnowHow2GO.org</a></td>
</tr>
</tbody>
</table>

### 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 repayment 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 attend. Sometimes the financial aid deadline is before the 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:**

<table>
<thead>
<tr>
<th></th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>College for All Texans</td>
<td><a href="http://www.collegeforalltexas.com">www.collegeforalltexas.com</a></td>
</tr>
<tr>
<td>FAFSA</td>
<td><a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a></td>
</tr>
<tr>
<td>Federal Student Loans</td>
<td><a href="http://www.collegeloan.com">www.collegeloan.com</a></td>
</tr>
<tr>
<td>Fast Web</td>
<td><a href="http://www.fastweb.com">www.fastweb.com</a></td>
</tr>
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</tr>
<tr>
<td>Federal Student Aid Information Center</td>
<td><a href="http://www.studentaid.ed.gov">www.studentaid.ed.gov</a></td>
</tr>
<tr>
<td>Guide to Financial Aid</td>
<td><a href="http://www.finaid.org/">www.finaid.org/</a></td>
</tr>
<tr>
<td>Adventures In Education</td>
<td><a href="http://www.AIE.org">www.AIE.org</a></td>
</tr>
<tr>
<td>Next Step U</td>
<td><a href="http://www.nextSTEPU.com">www.nextSTEPU.com</a></td>
</tr>
</tbody>
</table>

**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 the deadline.
  - Fee waivers are available for students who qualify. See your counselor for additional details.

- **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 TSI Assessment based on your STAAR EOC or SAT/ACT scores.

- **Going to an Armed Service Branch?**
  - You will 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:

<table>
<thead>
<tr>
<th>Website</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Khan Academy</td>
<td><a href="http://www.khanacademy.org/test-prep/">http://www.khanacademy.org/test-prep/</a></td>
</tr>
<tr>
<td>The College Board (PSAT, SAT, test prep)</td>
<td><a href="http://www.collegeboard.org">www.collegeboard.org</a></td>
</tr>
<tr>
<td>ACT Testing</td>
<td><a href="http://www.actstudent.org">www.actstudent.org</a></td>
</tr>
<tr>
<td>Number 2</td>
<td><a href="http://www.number2.com">www.number2.com</a></td>
</tr>
<tr>
<td>4 Tests</td>
<td><a href="http://www.4tests.com">www.4tests.com</a></td>
</tr>
<tr>
<td>March 2 Success</td>
<td><a href="http://www.march2success.com/index.cfm">www.march2success.com/index.cfm</a></td>
</tr>
<tr>
<td>Internet 4 Classrooms</td>
<td><a href="http://www.internet4classrooms.com/act_sat.htm">www.internet4classrooms.com/act_sat.htm</a></td>
</tr>
</tbody>
</table>
College/Career/Military Prep Timeline

8TH GRADE YEAR:

- **Spring Semester:**
  - Plan a challenging program of classes to take throughout your high school years.
  - Sample 4 Year Plans for planning purposes: (https://drive.google.com/drive/folders/0B-Nivsh1CFylbjdwNnVIT2RYTjA?usp=sharing)

FRESHMAN YEAR:

- Continue pursuing a challenging program of classes throughout your high school years.
- Create a file of important documents and notes (list of awards, honors, and community activities). This information can be housed in Xello. The Xello login page can be found under the Resource tab on the Brazosport ISD webpage (www.brazosportisd.net).
- Stay active in clubs, activities, and sports that you enjoy.
- Begin exploring careers in Xello by completing the Matchmaker Inventory.

SOPHOMORE YEAR:

- Continue exploring careers in Xello.
- Begin your college search... Utilize Xello to determine which colleges offer your college majors of interest.
- Prepare for standardized testing:
  - Sign up through your campus’ testing coordinator to take the PSAT in the fall.
  - Once scores are received, review your test results and identify areas for improvement.
- Continue extracurricular activities.
- Update your file of important documents and notes.
- Complete the NCAA Eligibility Center (www.eligibilitycenter.org) application if you are planning on playing collegiate level sports. If you need assistance with this, see your Athletic Director or the Lead Counselor on your campus.
**JUNIOR YEAR:**

- **Fall Semester:**
  - Determine the dates you will take the SAT ([www.collegeboard.org](http://www.collegeboard.org)) and ACT ([www.act.org](http://www.act.org)) during this school year.
  - Begin developing a resume based off of the file of important documents and notes you have been accumulating. Resume data can be kept up with in Xello.
  - Take the PSAT in October.
  - Begin planning college visits.
  - Start doing a search for financial aid. Options include grants, loans, and scholarships.
  - If you are interested in the military, speak with a recruiter and take the [ASVAB](http://www.asvab.com).

- **Spring Semester:**
  - Meet with your school counselor to develop your senior schedule and to ensure you have met all credit requirements for graduation.
  - Take the school based SAT.
  - Finalize your list of colleges you plan on applying to next school year.
  - Make a list of teachers, counselors, and other adults whom you might ask to write letters of recommendation for your college applications.

- **Summer:**
  - Work on your college application essays before you return to school!
  - Finalize your resume you will be using as part of your college application.
SENIOR YEAR:

- **August/September:**
  - Continue to research financial aid options.
  - Make sure you have all applications required for admission and financial aid.
  - Send high school transcripts to colleges you are applying to.
  - Check admission and financial aid deadlines for the schools you plan to apply to.
  - If you are still needing to take/retake the ACT and/or SAT, register for the first testing date this semester.
  - Obtain letters of recommendation, if needed.
  - If you are interested in the military, speak with a recruiter and take the ASVAB.

- **October:**
  - File early decision applications.
  - Have official test scores (SAT/ACT) sent by the testing agency to the colleges you are applying to.
  - Try to have all applications submitted by the end of October.
  - File for Free Application for Federal Student Aid (FAFSA) ([https://fafsa.ed.gov/](https://fafsa.ed.gov/)) as soon as possible once it has been opened.

- **November:**
  - Continue looking for scholarships and financial aid.
  - Begin working on local scholarship applications.

- **December/January/February:**
  - Begin making final decisions about where you will attend in the fall. Apply for housing, if needed.
  - Continue working on local scholarship applications.

- **March/April/May:**
  - Continue looking for scholarships.

- **June:**
  - Have high school send final transcript to the college you will attend.
  - If you took dual credit courses, have Brazosport College send your college transcript to the college you will attend. There is an [online request form](http://www.brazosport.edu) on the Brazosport College site ([www.brazosport.edu](http://www.brazosport.edu)).
  - Plan to attend orientation session at college.

---

**Xello (formerly Career Cruising) Login**

*Username: BRAZO-Student ID  Password: Date of Birth (MMDDYYYY)*
Information Related to Automatic College Admissions and Curriculum Requirements for Financial Aid

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

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

- successfully completed the requirements for the distinguished level of achievement (earned an endorsement and successful completion of Algebra II) under the foundation high school program at a public high school; or
- satisfied ACT's College Readiness Benchmarks on the ACT assessment or earned on the SAT assessment a score of at least 1500 out of 2400 or the equivalent.

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

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

Brazosport Independent School District
Early Graduate Agreement

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 student’s 3rd year of high school. Early Graduation Application

● Students are strongly encouraged to submit this application for early graduation prior to the end of their sophomore year to allow adequate time to develop a plan to meet graduation requirements.

● Students desiring a plan for early graduation, with their parents/guardians, will 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.

● Students and parents/guardians 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 requirements for the Foundation High School Plan with an Endorsement 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 Foundation High School Plan without an Endorsement.

● Students planning to graduate early may have their grade rolled to the 12th grade if they have 19 credits at the beginning of the school year or 22 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.

● Students 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 students 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 (including STAAR EOCs) will be removed from the early graduate list, and the student agrees to carry a full load of classes in the succeeding semester.

Student Signature___________________________________________________ Date_______________
Parent/Guardian Signature______________________________________________ Date_______________
Counselor Signature___________________________________________________ Date_______________
Principal Signature____________________________________________________ Date_______________
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.

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.

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Public Notification of Nondiscrimination in Career and Technical Education


El Coordinador de la Sección 504, Lorin Furlow, en 301 W. Brazoswood DR, Clute, Texas 77531, 979-730-7000 extensión 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, Publicidad 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. La admisión a estos programas se basa en inscripción abierta.

El Coordinador de la Sección 504, Lorin Furlow, 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.