

**Brownsville Independent School District**



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**STUDENT/PARENT HANDBOOK**

**Program Guidelines**

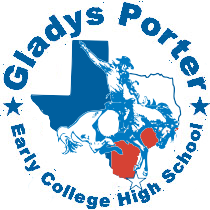
**STAMP - Science, Technology, and Medical Professions College Preparatory Program**

**SPACE – STEM Program for Aerospace, Architecture, and Careers in Engineering**





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***Student/Parent Handbook***

***Program Guidelines***

**STAMP & SPACE College Preparatory Programs**

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***BISD does not discriminate on the basis of race, color, national origin, sex, religion, age, disability or genetic information in employment or provision of services, programs or activities.***

**Brownsville Independent School District**

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#### Brownsville Independent School District

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STAMP & SPACE Administrator

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***Mission Statement***

# STAMP & SPACE College Preparatory Programs

* STAMP & SPACE pledge to provide an Engineering, Architecture, Aerospace and Medical Professions program at all BISD High Schools recognized by its formation of students seeking careers in Health Care, Engineering, Aerospace and Architecture through a challenging curriculum that exposes them to critical thinking, field studies, hands-on projects, and research.
* At STAMP & SPACE, our passion is to shape individuals to become leaders in their chosen fields, dedicated to public service, social responsibility, and to encourage all students to pursue their passion.

**STAMP & SPACE College Preparatory Programs**

***Program Goals***

## Improve Mathematics and Science achievement among all Brownsville students.

* Provide support and correlate studies from the STEM program at the middle schools.
* Increase the number of students who study Engineering, Architecture, and Medical Professional careers.
* Provide students with the ability to earn college credits while attending high school.
* Increase the number of students who enter a post- secondary institution.

###### STAMP & SPACE College Preparatory Program Requirements

STAMP & SPACE Entrance Requirements:

* Students must be in the 8th grade and be promoted to the 9th grade
* Students must complete and pass 8th grade Algebra
* Students must meet expectations on the required mandated state assessments for promotion
* Students must achieve and maintain exemplary academic status.
* Students must submit an application
* Students must complete a one page essay on “Why I want to attend the STAMP or SPACE Program”
* Students must submit a recommendation form
* Students/Parents must sign a STAMP & SPACE contract and comply with all requirements of the contract

STAMP & SPACE Academic Requirements;

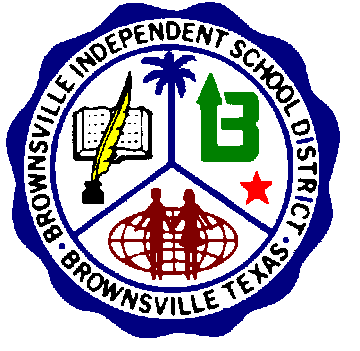
* Students (9-12) must complete and turn in their summer readings at the start of the school year.
* Students may ONLY take a dual core are course during the summer if the course is not offered by the school during the year.
* The STAMP & SPACE curriculum consists of all advanced classes; therefore, all core area classes must be taken Pre-AP/AP or Dual.
* Students must follow the sequence of courses listed in the Course Listing Guide.
* Every school year, STAMP & SPACE students must meet the eligibility criteria for the Pre-AP program.
* Students cannot make up classes through credit recovery, STARS, summer school, or any type of modules.
* Students must be placed in the STAMP or SPACE cohort.
* All STAMP & SPACE students (9-12) must maintain exemplary academic status.
* At the end of each semester any student (9-12) failing a core area class will be placed on academic probation.
* Any student (9-12), who is failing a core area class at the end of the year, will be removed from the STAMP or SPACE Program.
* A STAMP or SPACE student is able to furlough for a semester if the course is not being offered and /or by the approval of the principal.
* The STAMP & SPACE programs is a four year curriculum. All students must begin the program at the 9th grade level. *Extenuating circumstances must be reviewed by the program administrator.*

Benefits of the STAMP & SPACE program:

* STAMP & SPACE students belong to a cohort of teachers.
* STAMP & SPACE students follow the advanced curriculum program.
* The STAMP & SPACE programs are structured and disciplined.
* Being in the STAMP & SPACE programs enhances opportunities for resume building, portfolio’s, etc.

Withdrawal from the STAMP or SPACE Program:

* Once a student withdraws from the STAMP or SPACE program, or is withdrawn by the program administrator he/she will ***not*** be able to return to the program.



**BROWNSVILLE ISD**

**STAMP & SPACE**

**STUDENT-PARENT HANDBOOK ACKNOWLEDGEMENT FORM**

**Print Name of Student School**

**Student ID # Grade**

STAMP & SPACE administration has adopted a Student/Parent handbook in order to develop and maintain a challenging and structured environment for all STAMP & SPACE students. We urge you to read this publication thoroughly and discuss it with your family. A hard copy is provided for you, and you may also view it online at [www.bisd.us/stamp](http://www.bisd.us/stamp)space. If you have any questions about the required policies and procedures, we encourage you to speak with the STAMP & SPACE administrator for further clarifications. Students and parents should each sign this page in the space provided below, and then return the page to the student’s counselor.

I acknowledge that I have received a copy of the Brownsville ISD **STAMP & SPACE** Student/Parent Handbook. I understand that students will be held accountable for their behavior and will be subject to the disciplinary consequences outlined in this document as long as the student remains in the STAMP or SPACE program. This document remains in effect during summer school and at all school-related events and activities outside of the school year.

**Signature of Parent/Guardian Signature of Student**

**Date**

*For more information, call the STAMP & SPACE Office at* ***(956) 698-1713***

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**PRE-ADVANCED / ADVANCED PLACEMENT PROGRAM**

The Pre-AP/AP program is a planned program of teaching skills and concepts over several years. The Advanced Placement program provides the goals for the Pre-AP program. Pre-AP classes are considered preparation classes for students interested in taking AP courses in high school. These classes incorporate all the core subject areas: math, reading/English, science, social studies and Spanish in grades 6-12. The AP exam score may earn college credit for the course(s) depending on requirements of the university. Students must meet the following criteria in order to be placed in the Brownsville ISD Pre-AP/AP Program:

* Have at least an 80 average from the most recent grade in the specific academic discipline for a non-Pre-AP/AP class or have passed the previous Pre-AP/AP class.
* Have passed all required state assessments.

**NOTE**: Alternate route to Pre-AP/AP admission: Letter of recommendation by the AP Committee. The committee will include Principal, Counselor, Dean, AP Lead Teacher and campus Subject AP Teacher.

At the beginning of the course, the student and the parent/guardian will sign the district Pre-AP/AP Program Expectations and Course Agreement. The Agreement will be distributed and maintained by the teacher of record. Students enrolled in the Pre-AP/AP course sequence are expected to enroll in AP/Dual Enrollment courses during their high school years of study.

All Students taking the AP course and the AP exam will receive a level 3 course number and grade weight for GPA and class ranking purposes. Any freshman, sophomore, or junior who challenges the AP exam and passes with a score of 3, 4, or 5 will receive a Level 4 grade weight for the AP course. The level change will occur after AP results are received by the campus and/or the District. This includes students who challenge the AP exam without having been enrolled in the AP course. In addition, students enrolled in high school as freshmen, sophomores, or juniors in and after 2011-2012 who score a 3, 4 or 5 on an AP exam will receive Level IV course weight after the AP scores are received in late July.

Dual or Concurrent Enrollment at Institutes of Higher Education

A BISD high school student may earn college credits through the district’s Early College High School program (ECHS). Students may begin participating in the program beginning in the 9th grade provided they meet all criteria for participation determined by the institute of higher education (IHE) through which the course is undertaken. This includes college admission, Texas Success Initiative (TSI), and other course prerequisite requirements.

Currently, BISD IHE partners include Texas Southmost College (TSC), the University of Texas Rio Grande Valley (UTRGV), and Texas A & M Kingsville (TAMUK).

College credit may be earned either through dual courses or concurrent enrollment. Dual enrollment means the student is earning high school and college credit simultaneously and undertakes the course at a BISD high school campus. The majority of the courses offered in BISD for dual credit are taught at the high school campus by district instructors, who are approved by the IHE partner. Other modalities for dual credit in BISD include courses taught by IHE adjuncts, Saturday and evening courses and online options.

Concurrent enrollment means the student takes a college course through an IHE on his/her own while enrolled in high school. The student may or may not receive high school credit. Credit for a concurrent course is determined by the district course alignment chart for each of the IHE partners located in this document. In order for a student to receive high school credit (dual) taken concurrently, the student must request high school credit by completing all required district forms. The necessary documents are located on the BISD website under the Early College High School tab. The link is <http://www.bisd.us/html/08_Extra_HTML/10_ECHS.html>.

As per Texas Administrative Code Title 9, Part 1, Chapter 4, Subchapter G: An ECHS that has notified the Commissioner in accordance with 4.154 of this title (relating to Notification of Instructional Intent to Develop an Early College High School) may allow its eligible students to enroll in more than two dual credit courses per semester. An ECHS may allow its eligible students to enroll in dual credit courses with freshmen, sophomore, junior or senior high school standing.

**BISD Recommendations:**

A student who fails a dual enrollment course and/or withdraws from a dual enrollment course after the initial 12 day drop period will not be allowed to enroll any dual enrollment class the following academic semester.

***Dual credit or Concurrent Enrollment*** means the process by which a high school student enrolls in a college course and receives simultaneous academic credit for the course from both the college and high school.

***Concurrent Enrollment* Programs [TAC Title 19, Part 2, Chapter 4, Subchapter 2]**

The program that provides the outreach, student learning and support programs for students who will attain college credit simultaneously while enrolled in high school. Concurrent enrollment refers to a circumstance in which a student is enrolled in more than one educational institution (including high school and a college.)

**Articulation**

The Advanced Technical Credit (ATC) Program gives high school students an opportunity to earn credit at participating community colleges across Texas for taking advanced technical courses during high school. The statewide articulated courses and their equivalent college courses are listed in the ATC Course Crosswalk. All of the participating community colleges have agreed to offer students credit for these courses, provided the college offers the course and the student meets respective course criteria. For a high school to offer an ATC course to its students, the teacher must meet the ATC teacher requirements. Students, who are enrolled in a CTE Articulated Program, may earn college credit when they take approved articulated courses that are part of a coherent sequence of courses in a Program of Study. A grade of 80 or higher is required.

***Note:*** ATC courses may vary from one school year to another. It is the student’s responsibility to check for changes on a yearly basis. For more information on **ATC**, please visit the Texas Advanced Technical Credit website @ [www.atctexas.org](http://www.atctexas.org/).

**Industry Certifications**

Certain CTE courses provide an opportunity for **Industry Certification**. Students must meet respective program certification criteria.

**Project Lead the Way**

All campuses providing **Project Lead the Way Program** courses must not provide other programs, activities, or student internships that will interfere, substitute for, or reduce student contact time in connection with the PLTW Program. All campuses providing Project Lead the Way Program courses will meet certification status after the year of each high school site’s participation in the Project Lead the Way Program.

**Other Notes**

Students who transfer from another high school or outside the district will have their transcripts evaluated for Career and Technical courses and offered the most appropriate Program of Study. For detailed information on respective programs of study, log onto the CTE websi[te @ www.bisd.us/cte](http://www.bisd.us/cte) to view the BISD CTE Programs of Study booklet.

|  |  |  |
| --- | --- | --- |
| 2018-2019 Grade Weight Systems  9 th -12th Grade Students | | |
| **LEVEL I** | **To include ALL courses not designated as GT, AP, Pre-AP, Dual Enrollment and DAP Independent Study Courses** | |
| 100  90-99  80-89  70-79  Below 70 | | 4.0  3.0-3.9  2.0-2.9  1.0-1.9  0 |
| **LEVEL II** | **To include ALL GT, Pre-AP, and CTE State Articulated** | |
| 100  90-99  80-89  70-79  Below 70 | | 5.0  4.0-4.9  3.0-3.9  2.0-2.9  0 |
| **LEVEL III** | **To include all AP, Project Lead the Way, Dual, approved Concurrent Enrollment Courses and DAP Independent Study.** | |
| 100  90-99  80-89  70-79  Below 70 | | 6.0  5.0-5.9  4.0-4.9  3.0-3.9  0 |
| **LEVEL IV** | **\*To include all AP exam scores of 3, 4, or 5.**  **Applies only to grades 9th, 10th, and 11th** | |
| 100  90-99  80-89  70-79  Below 70 | | 7.0  6.0-5.9  5.0-4.9  4.0-3.9  0 |

**NOTE:** Students entering Grade 9 in and after the 2010-2011 school will receive Level II weight

for State Articulated CTE courses and Level III weight for Project Lead the Way courses. Approved concurrent enrollment courses are defined as only those whose college course numbers match those provided in this course listing guide under the sections for dual enrollment.

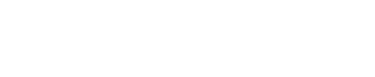
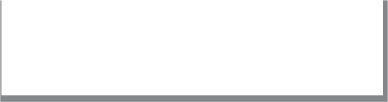
**\***In addition, students enrolled in high school **AP course** as freshmen, sophomores, or juniors in and after 2011-2012 who score a 3, 4 or 5 on an AP exam will receive Level IV course weight after the AP scores are received in late July in accordance with all BISD policies.

**HB5 Graduation Requirements for Brownsville ISD**

House Bill 5 (HB5): House Bill 5 (HB5) created a new graduation plan called the Foundation High School Program that was implemented beginning in 2014 – 2015 school year. The graduation plan replaces the previous Minimum, Recommended and Distinguished graduation plans. All students, who are entering the 9th grade in and after the Fall of 2014, will be required to select an endorsement pathway in Arts and Humanities, Business and Industry, Public Service, STEM (Science and Math) and/or Multidisciplinary.

In our BISD 2018-2019course listing guide, you can find extensive information to better understand the new graduation requirements stipulated in House Bill 5.

|  |  |  |
| --- | --- | --- |
| **English (4 credits)**  English I, II, and III, plus an advanced English course | | |
| **Math (4 credits)**  Algebra I, Geometry, and Algebra II, or Advanced Math | | |
| **Science (4 credits)**  Biology, IPC or Advanced Science, and an additional Advanced Science course | | |
| **Social Studies (3 credits)**  World Geography or World History as well as US History, US GOVT/ Economics | | |
| **Languages Other than English (2 credits)** | | |
| **Physical Ed. (1 credit)** | | |
| **Fine Arts (1 credit)** | | |
| **Electives (4 credits)** | | |
| **Professional Communications**  **Speech ½ credit and Health ½ credit** | | |
|  | **Endorsement (26 credits )**  To earn an endorsement a student must successfully complete:  1 additional credit in math  1 additional credit in science 2 additional elective credits |  |
|  | **Distinguished Level of Achievement (26 credits)**  To earn a distinguished level of achievement a student must successfully complete the curriculum requirements for at least one endorsement, including 4 credits in science and 4 credits in mathematics to include Algebra II. |  |
| **Performance Acknowledgment**  A student may earn a performance acknowledgment on their diploma and transcripts in any of the following:   * Completing at least 12 hours of college academic courses including those taken for dual credit and advanced technical credit. * Bilingualism & Bi-literacy * On a college AP or IB exam * On the PSAT, ACT- PLAN, SAT or ACT * For earning a nationally or internationally recognized industry certification | | |



**HB5 / BISD Graduation Requirements**

**2018-2019 High School Endorsements and Programs of Study**

Students are administered a career interest inventory to determine which Career Cluster is most compatible with their skills and interests .Incoming 9th grade students are required to select the Career Program of Study graduation plan of their choice. Students can choose to follow only their Career of Study in high school or incorporate it with another field of interest such as Fine Arts, Athletics, ROTC, etc. All high school students should regularly revise and update their Career Program of Study and graduation plans.

**BISD offers the endorsements listed below and their respective programs of study:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Endorsements** | | | | |
| **STEM** | **Business & Industry** | **Arts & Humanities** | **Public Services** | **Multidisciplinary Studies** |
| **Career Cluster & Programs of Study** | **CTE**   * **STEM**   + Engineering (PLTW)   + Engineering Design & Presentation   + Aerospace Engineering   ***Non-CTE***   * *High Level Core areas of:*   + *Mathematics*   + *Science* | **CTE**   * **Agriculture**   + Animal Systems   + Agriculture Mechanics   + Plant Systems * **Architecture**   + Architecture Design   + Construction Technology   + HVAC * **Arts/AV**   + Audio & Video Production   + Graphic Design Illustration * **Business**   + Business Mgmt. & Admin.   + Business Information Management * **Finance**   + Banking & Finance * **Hospitality**   + Culinary Studies * **Information Technology**   + Digital & Interactive Media   + Computer Maintenance * **Manufacturing**   o Manufacturing o Welding   * **Transportation, Distribution & Logistics**   + Automotive Technology   + Collision Repair Technology   + International Business & Commerce   ***Non-CTE***   * *Newspaper* * *Journalism* * *Yearbook* | ***Non-CTE***   * *Visual Arts* * *Dance / Ballroom* * *Music (Instrumental & Choral)* * *Theatre Arts* * *Sociology* * *Psychology* * *European History* * *Art History* * *Combination of any 4 non-sequential credits in Fine Arts.* | **CTE**   * **Education**   + Education & Training * **Health Science**   + Health Science Technology   + Biomedical Science (PLTW) * **Human Services**   + Cosmetology * **Law Enforcement**   + Correctional Services   + Security Services   + Law Studies   + Fire fighter   ***Non-CTE***   * + *ROTC* | * 4 Advanced CTE courses * 4 credits in each of the foundation core areas (include English IV and chemistry and/or physics * 4 credits in Advanced Placement Courses |

**§ 74.13 Endorsements**

1. A student shall specify in writing an endorsement the student intends to earn upon entering Grade 9.

(b).A district shall permit a student to enroll in courses under more than one endorsement before the student’s junior year and to choose, at any time, to earn an endorsement other than the endorsement the student previously indicated. This section does not entitle a student to remain enrolled to earn more than 26 credits.

###### CAREER & TECHNICAL EDUCATION

###### PROGRAMS OF STUDY

The BISD Career & Technical Education (CTE) Department offers programs of study derived from 14 Career Clusters, which are recognized at the state and national levels. This alignment is based on the belief that the curricula of the 21st century should combine rigorous academics with relevant career education. When schools integrate academic and technical education, students can see the “usefulness” of what they are learning. The system also facilitates a seamless transition from secondary to postsecondary opportunities. This initiative uses the 16 federally defined Career Clusters of the States’ Career Clusters initiative (www.txcte.org) as the foundation for restructuring how schools arrange their instructional programs.

The 14 career clusters are aligned with the following House Bill 5 Graduation Endorsements:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Endorsement** | **STEM** | **Business & Industry** | **Public Services** | **Multidisciplinary Studies** |
| **Programs of Study** | * STEM | * Agriculture * Architecture * Arts/AV * Business * Finance * Hospitality * Information Technology * Manufacturing * Transportation | * Education * Health Science * Human Services * Law Enforcement | * 4 Advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in coherent sequence |

**STAMP College**



**STAMP College Preparatory Program**

STAMP offers the Science, Technology, and Medical Professions (STAMP) College Preparatory program at all 6 high schools (Hanna, Lopez, Pace, Porter, Rivera, and Veterans).

Other pertinent information may be found on the STAMP website at [www.bisd.us/stamp](http://www.bisd.us/stamp)space.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Science, Technology, & Medical Professions (STAMP)** | | | | |
| **Course Number** | **Course Description** | **Grade** | **Per Unit**  **Credit** | **Prerequisite(s)** |
| ***Program of Study: Medical Professions*** | | | | |
| M01101(2) | Principles of Health Science | 9 | 1/2 | None |
| M47341(2) | Medical Terminology | 10 | 1/2 | Principles of Health Science |
| M47351(2) | Health Science Theory/Health Science Clinical | 11 | 1 | Medical Terminology |
| M01131(2) | Practicum in Health Science I | 12 | 1 | Acceptance into Certification Program (CNA, CMAA, CMCB, RXT) or Clinical Rotation Site Assignment and 3 POS courses |
| ***Program of Study: Biomedical Science (Project Lead the Way – PLTW)*** | | | | |
| SPL171(2) | PLTW Principles of Biomedical Science | 9 | 1/2 | Algebra I Concurrent Enrollment of Biology |
| SPL191(2) | PLTW Human Body Systems | 10 | 1/2 | Principles of Biomedical Science |
| SPL201(2) | PLTW Medical Interventions | 11 | 1/2 | Human Body Systems |
| SPL211(2) | PLTW Biomedical Innovations | 12 | 1/2 | Medical Interventions |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***STAMP Core Courses*** | | | | |
| **Course Number** | **Course Description** | **Grade** | **Per Unit**  **Credit** | **Prerequisite(s)** |
| **English I: Students, who enter Grade 9 in and after 2011-2012, are required to take the English I End-of-Course assessment.** | | | | |
| EC0061(2) | M19591(2) English I Pre-AP STAMP | 9 | 1/2 | Meet Pre-AP/AP Criteria |
| **English II: Students, who enter Grade 9 in and after 2011-2012, are required to take the English I End-of-Course assessment.** | | | | |
| EC0161(2) | English II Pre-AP STAMP | 10 | 1/2 | English I & Meet Pre-AP/AP Criteria |
| M37061(2) | English III AP STAMP  (Language & Comp.) | 11 | 1/2 | English II & Meet Pre-AP/AP Criteria |
| M47101(2) | English IV AP STAMP  (Literature & Comp.) | 12 | 1/2 | English I, II, III & Meet Pre-AP/AP Criteria |
| **Algebra I: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the Algebra I End-of-Course assessment.** | | | | |
| EC0121(2) | M19751(2) Algebra I Pre-AP STAMP | 9 | 1/2 | Meet Pre-AP/AP Criteria |
| M59771(2) | Geometry Pre-AP STAMP | 9-10 | 1/2 | Algebra I & meet Pre-AP/AP Criteria |
| M99781(2) | Algebra II Pre-AP STAMP | 10-11 | 1/2 | Algebra I, Geometry & Meet Pre-AP/AP Criteria |
| M09721(2) | Pre-Calculus Pre-AP STAMP | 11-12 | 1/2 | Algebra I, II, Geometry & Meet Pre-AP/AP Criteria |
| M02311(2) | Calculus AB AP STAMP | 12 | 1/2 | Pre-Calculus & Meet Pre-AP/AP Criteria |
|  | AP Statistics STAMP | 11-12 | 1/2 | Algebra II & Geometry; Meet PREAP/AP Criteria |
| \*NOTE: It is recommended that 12th grade STAMP students enroll in Calculus or Statistics for math credit. | | | | |
| **Biology: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the Biology End-of-Course assessment.** | | | | |
| EC0191(2) | M19841(s) Biology Pre-AP STAMP | 9-10 | 1/2 | Meet Pre-AP/AP Criteria |
| M19851(2) | Biology AP STAMP | 11-12 | 1/2 | Biology I, Chemistry I, Meet Pre-AP/AP Criteria |
| M29851(2) | Chemistry Pre-AP STAMP | 10-12 | 1/2 | Algebra I & Biology & Meet Pre-AP/AP Criteria |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Number** | **Course Description** | **Grade** | **Per Unit**  **Credit** | **Prerequisite(s)** |
| M29871(2) | Chemistry AP STAMP | 10-12 | 1/2 | Chemistry (1 Year High School Chemistry) & Meet Pre-AP/AP Criteria |
| M99881(2) | Physics Pre-AP STAMP | 11-12 | 1/2 | Biology & Meet Pre-AP /AP Criteria |
| M03041(2) | Physics AP 1 ALG BASED STAMP | 11-12 | 1/2 | Biology & Meet Pre-AP /AP Criteria |
|  | Environmental Science AP STAMP | 11-12 | 1/2 | Algebra I & 1 Unit of high school science; Meet AP  Criteria |
| M01151(2) | Anatomy & Physiology STAMP | 12 | 1/2 | Biology & Chemistry |
| \*NOTE: 12th grade STAMP students must choose Chemistry AP/Biology AP/DE/Physics II AP/Environmental Science AP for science options. | | | | |
| **World Geography** | | | | |
| M73611(2) | World Geography Pre-AP STAMP | 9-10 | 1/2 | Meet Pre-AP/AP Criteria |
| M08971(2) | Human Geography AP STAMP | 9-12 | ½ | Meet AP Criteria |
| **World History** | | | | |
| M79531(2) | World History Pre-AP STAMP | 9-12 | 1/2 | Meet Pre-AP/AP Criteria |
| M73411(2) | World History AP STAMP | 9-12 | 1/2 | Meet Pre-AP/AP Criteria |
| **U.S. History: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the U.S. History End-of-Course assessment.** | | | | |
| M03451(2) | European History AP STAMP | 11-12 | 1/2 | Meet AP Criteria |
| M79931(2) | US History AP STAMP | 11-12 | 1/2 | World History & Meet Pre-AP/AP Criteria |
| M03193 | US Government AP STAMP | 11-12 | 1/2 | US History & Meet Pre-AP/AP Criteria |
| M13223 | Economics AP STAMP | 11-12 | 1/2 | US History & Meet Pre-AP/AP Criteria |

**Recommended STAMP Core Course Sequence**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Grade | **English** | **Math** | **Science** | **Social Studies** |
| 9th | English I Pre-AP | Geometry Pre-AP | Biology Pre-AP | World History PAP/AP. World Geography PAP or  Human Geography AP |
| 10th | English II Pre-AP | Algebra II Pre-AP/Dual | Chemistry Pre-AP | World History PAP/AP. World Geography PAP or  Human Geography AP |
| 11th | English III AP or  Dual | Pre-Calculus Pre-AP | Physics Pre-AP or  Environmental Science AP | U.S. History AP |
| 12th | English IV AP or Dual | Calculus AB (AP)  Statistics AP | Physics AP  Chemistry AP  Biology AP  Anatomy & Physiology | Govt./Economics AP |

**A**



**STEM Programs in Aerospace, Architecture &**

**Careers in Engineering (SPACE) Academy**

**P College**

SPACE offers the STEAM Programs in Aerospace, Architecture & Careers in Engineering (SPACE) Academy at all 6 high schools (Hanna, Lopez, Pace, Porter, Rivera, and Veterans).

Other pertinent information may be found on the STAMP website at [www.bisd.us/stampspace](http://www.bisd.us/stampspace).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **STEM Programs in Aerospace, Architecture & Careers in Engineering (SPACE)** | | | | |
| **Course Number** | **Course Description** | **Grade** | **Per Unit**  **Credit** | **Prerequisite(s)** |
| ***Program of Study: Engineering*** | | | | |
| SPL101(2) | PLTW Introduction to Engineering Design | 9 | 1/2 | Algebra I |
| SPL111(2) | Engineering Science | 10 | 1/2 | PLTW Introduction to Engineering Design |
| SPL121(2) | PLTW Digital Electronics ***or*** | 11 | 1/2 | PLTW Principles of Engineering |
| SPL141(2) | PLTW Civil Engineering and  Architecture ***or*** | 11 | 1/2 | PLTW Principles of Engineering |
| SPL131(2) | PLTW Engineering Design and  Development | 12 | 1/2 | PLTW Principles of Engineering |
| ***Program of Study: Aerospace Engineering*** | | | | |
| SPL101(2) | PLTW Introduction to Engineering Design | 9-12 | 1/2 | None |
| SPL111(2) | Engineering Science | 10-12 | 1/2 | PLTW Introduction to Engineering Design |
| SPL161(2) | PLTW Aerospace Engineering | 11 -12 | 1/2 | 2 PLTW Courses |
| SPL131(2) | PLTW Engineering Design and Development | 11-12 | 1/2 | 2 PLTW Courses |
| ***Program of Study: Architectural Design*** | | | | |
| AC0521(2) | Principles of Architecture | 9 | 1/2 | None |
| AC0551(2) | Architectural Design I or | 9-10 | 1/2 | Principles of Architecture |
| AC1551(2) | Engineering Design & Presentation I | 10 | 1/2 | Architectural Design I |
| AC1561(2) | Engineering Design & Presentation II or | 11 | 1 | Engineering & Design & Presentation I |
| AC0561(2) | Architectural Design II | 11-12 | 1 | Architectural Design I |
| AC0571(2) | Practicum in Architectural Design | 12 | 1 | Advanced Architectural Design II |

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| ***SPACE Core Courses*** | | | | | |
| **Course Number** | **Course Description** | **Grade** | **Per Unit**  **Credit** | **Prerequisite(s)** |
| **English I: Students, who enter Grade 9 in and after 2011-2012, are required to take the English I End-of-Course assessment.** | | | | |
| EC0061(2) | M19591(2) English I Pre-AP SPACE | 9 | 1/2 | Meet Pre-AP/AP Criteria |
| **English II: Students, who enter Grade 9 in and after 2011-2012, are required to take the English I End-of-Course assessment.** | | | | |
| EC0161(2) | English II Pre-AP SPACE | 10 | 1/2 | English I & Meet Pre-AP/AP Criteria |
| M37061(2) | English III AP SPACE  (Language & Comp.) | 11 | 1/2 | English II & Meet Pre-AP/AP Criteria |
| M47101(2) | English IV AP SPACE  (Literature & Comp.) | 12 | 1/2 | English III & Meet Pre-AP/AP Criteria |
| **Algebra I: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the Algebra I End-of-Course assessment.** | | | | |
| EC0121(2) | M19751(2) Algebra I Pre-AP SPACE | 9 | 1/2 | Meet Pre-AP/AP Criteria |
| M59771(2) | Geometry Pre-AP SPACE | 9-10 | 1/2 | Algebra I & meet Pre-AP/AP Criteria |
| M99781(2) | Algebra II Pre-AP SPACE | 10-11 | 1/2 | Algebra I, Geometry & Meet Pre-AP/AP Criteria |
| M09721(2) | Pre-Calculus Pre-AP SPACE | 11-12 | 1/2 | Algebra I, II, Geometry & Meet Pre-AP/AP Criteria |
| M02311(2) | Calculus AB AP SPACE | 12 | 1/2 | Pre-Calculus & Meet Pre-AP/AP Criteria |
|  | AP Statistics SPACE | 11-12 | 1/2 | Algebra II & Geometry; Meet Pre-AP/AP Criteria |
| \*NOTE: It is recommended that 12th grade SPACE students enroll in Calculus or Statistics for math credit. | | | | |
| **Biology: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the Biology End-of-Course assessment.** | | | | |
| EC0191(2) | M19841(s) Biology Pre-AP SPACE | 9-10 | 1/2 | Meet Pre-AP/AP Criteria |
| M19851(2) | Biology AP SPACE | 11-12 | 1/2 | Biology I, Chemistry & Meet Pre-AP/AP Criteria |
| M29851(2) | Chemistry Pre-AP SPACE | 10-12 | 1/2 | Algebra I & Biology & Meet Pre-AP/AP Criteria |
| M29871(2) | Chemistry AP SPACE | 10-12 | 1/2 | Chemistry (1 Year High School  Chemistry) & Meet Pre-AP/AP Criteria |
| M99881(2) | Physics Pre-AP SPACE | 11-12 | 1/2 | Biology & Meet Pre-AP/AP Criteria |
| M03041(2) | Physics AP 1 ALG BASED SPACE | 11-12 | 1/2 | Biology & Meet Pre-AP/AP Criteria |
|  | Environmental Science AP SPACE | 11-12 | 1/2 | Algebra I & 1 Unit of high school science; Meet AP  Criteria |
| M01151(2) | Anatomy & Physiology SPACE | 12 | 1/2 | Biology & Chemistry |
| \*NOTE: 12th grade SPACE students must choose Chemistry AP/Biology AP/DE/Physics II AP/Environmental Science AP for science options. | | | | |

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| **Course Number** | **Course Description** | **Grade** | **Per Unit**  **Credit** | **Prerequisite(s)** |
| **World Geography** | | | | |
| M73611(2) | World Geography Pre-AP SPACE | 9-10 | 1/2 | Meet Pre-AP/AP Criteria |
| M08971(2) | Human Geography AP\* SPACE | 9-12 | 1/2 | Meet Pre-AP/AP Criteria |
| **World History** | | | | |
| M79531(2) | World History PREAP SPACE | 10-12 | 1/2 | Meet Pre-AP/AP Criteria |
| M73411(2) | World History AP SPACE | 10-12 | 1/2 | Meet Pre-AP/AP Criteria |
| **U.S. History: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the U.S. History End-of-Course assessment.** | | | | |
| M03451(2) | European History AP SPACE | 12 | 1/2 | Meet AP Criteria |
| M79931(2) | US History AP SPACE | 11-12 | 1/2 | World History & Meet Pre-AP/AP Criteria |
| M03193 | US Government AP SPACE | 11-12 | 1/2 | US History & Meet Pre-AP/AP Criteria |
| M13223 | Economics AP SPACE | 11-12 | 1/2 | US History & Meet Pre-AP/AP Criteria |

**Recommended SPACE Core Course Sequence**

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| --- | --- | --- | --- | --- |
| Grade | **English** | **Math** | **Science** | **Social Studies** |
| 9th | English I Pre-AP | Geometry Pre-AP | Biology Pre-AP | World History PAP/AP. World Geography PAP or  Human Geography AP |
| 10th | English II Pre-AP | Algebra II Pre-AP/Dual | Chemistry Pre-AP | World History PAP/AP. World Geography PAP or  Human Geography AP |
| 11th | English III AP or  Dual | Pre-Calculus Pre-AP | Physics Pre-AP or  Environmental Science AP | U.S. History AP |
| 12th | English IV AP or Dual | Calculus AB (AP)  Statistics AP | Physics AP  Chemistry AP  Biology AP  Anatomy & Physiology | Govt./Economics AP |

BISD STAMP & SPACE Student/Parent Handbook

A clear, concrete vision of the STAMP & SPACE program is high academic expectations for every student. STAMP & SPACE students are expected to work at and above their potential. STAMP & SPACE students must be disciplined in their studies of work. STAMP & SPACE students are expected to have high standards of behavior and adhere to their responsibilities as citizens of the community. “Discipline is the bridge between goals and accomplishment”.

All STAMP & SPACE students must follow the program guidelines listed in the BISD STAMP Student/Parent Handbook. This document can be found at [www.bisd.us/stamp](http://www.bisd.us/stamp)space. Copies are given to all 9th grade students at the beginning of the school year. Additional copies are available at the STAMP & SPACE office. Student’s will be held accountable for their behavior and will be subject to the disciplinary consequences outlined in this document as long as the student remains in the STAMP & SPACE program (9th – 12th grade). The BISD STAMP & SPACE Student/Parent Handbook is updated each year. It is the responsibility of the student to read this document each year and be informed of the program requirements. This document remains in effect during summer school and at all school-related events and activities.

* All STAMP & SPACE students must abide by the 2018-2019 BISD Student Code of Conduct/Student-Parent Handbook. This document can be found at [www.bisd.us](http://www.bisd.us). Copies are available at your campus.
* Any violation of BISD’s Student Code of Conduct/Student-Parent Handbook that results in removal of a STAMP & SPACE student to a Disciplinary Alternative Education Program will be grounds for immediate removal from the program.

STANDARDS FOR STUDENT CONDUCT & DRESS CODE

**Each student is expected to:**

* Demonstrate courtesy and respect for others, even when others do not.
* Behave in a responsible manner, always exercising self-discipline.
* Attend all classes, regularly and on time.
* Prepare for each class; take appropriate materials and assignments to class.
* Meet District and campus standards of grooming and dress.
* Obey all campus and classroom rules.
* Respect the rights and privileges of other students, teachers, and other District staff.
* Respect the property of others; including District property and facilities.
* Cooperate with or assist the school staff in maintaining safety, order, and discipline.
* Adhere to the requirements of the Student Code of Conduct.

**Dress code**

All STAMP & SPACE students must adhere to maintaining a demeanor and appearance that is

proper and professional due to the high standards of working with professionals in

the areas of Engineering, Architecture, and Medical Professions. All STAMP & SPACE students

will follow the Dress and Grooming guidelines as outlined in BISD’s Student/Parent

Code of Conduct Handbook.