

SEGUIN HIGH SCHOOL

BUILDING THE FUTURE



SEGUIN INDEPENDENT SCHOOL DISTRICT

2016-2017 COURSE CATALOG

AN EDUCATION...AS GOOD AS GOLD

Seguin High School Course Catalog 2016-2017

The Seguin High School Course Catalog has been designed to provide both students and parents a clear understanding of the educational opportunities available at Seguin High School, Seguin Early College High School, and the Mary B. Erskine Health Science Academy for the 2016-2017 school year. It describes academic, elective, and Career and Technical Education (CTE) offerings planned for the 2016-2017 school year. The course descriptions and information contained herein will enable students to make more informed decisions concerning their future educational plans.

It is essential that parents review the information contained in this catalog and continue to be involved in the important educational decisions to come. Students and parents are responsible for knowing the requirements for graduation. If there are questions or concerns that cannot be answered through the information given in this catalog, any of the SHS staff or SISD administration will be glad to be of assistance. If you have any questions regarding information contained in this catalog, please contact the office at Seguin High School.

Information in this publication is subject to changes by action of the Board of Trustees of the Seguin Independent School District or the Texas Education Agency. Seguin High School reserves the right to add courses not described herein and to delete courses if minimum enrollment criteria are not met.

Se tiene alguna pregunta sobre el contenido de este document, favor de comunicarse con la oficina de Seguin High School.

Seguin High School Administrative Team

Hector R. Esquivel
Principal

Nikki E. Bittings
Associate Principal

James A. Diaz
Dean of Instruction

Assistant Principals

Suzette Castilleja
Wendy Cox
Sharon Feuge
Tally Neal, Sr.
Allison Willemin

Counselors

M'Liss Haas (Lead Counselor)
Natalie Austin
Lilia Huerta
Abigail Montes
Connie Donsbach
(College and Career Counselor)

Roy Larson

*Director of College
and Career Readiness*

Anna Lisa Garza

*Director of Early College
High School*

Seguin High School
815 Lamar
Seguin, Texas 78155 (830) 401-8000
Fax (830) 372-9851
www.seguinisd.net

Board of Trustees

Ishmael Flores, *President*
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Ricardo Guerra
John Holt
Carol Sewell
Craig Thomas

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It is the policy of the Seguin ISD not to discriminate on the basis of sex, handicap, race, color, or national origin in its educational programs, services and activities and 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, Section 504 of the Rehabilitation Act of 1973, as amended, and the Age Discrimination Act of 1975, as amend

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GENERAL INFORMATION

Credit by Examination

In accordance with Board Policy EHDB (LEGAL), a student in any of grades 6–12 may be given credit for an academic subject in which he or she had some prior instruction if the student scores 70 percent or higher on a criterion-referenced test approved by the Board for the applicable course. For more information about Credit by Examination, see the Seguin ISD website at <http://www.seguin.k12.tx.us/default.aspx?name=ci.accelerationexams>.

English as a Second Language (ESL) Program

Seguin High School provides English as a Second Language (ESL)/sheltered instructional strategies to students identified as Limited English Proficient (LEP). Additionally, the high school language arts curriculum provides ESL support for English Language Learners who are recent immigrants (0-3 years in U.S. schools) through an English for Speakers of Other Languages (ESOL) class. The purpose of the ESL program is to enable LEP students to be competent in the comprehension, speaking, reading and composition of the English language through the integrated use of second language methods.

Mercer-Blumberg Learning Center

Mercer-Blumberg Learning Center, or MLBC, provides alternative educational opportunities for Seguin High School students. Eligible students work with their counselor to create an individualized program of study, based on MBLC course offerings. For more information on how to apply, students should make an appointment with their grade level Counselor.

Personal Graduation Plans (PGPs)

All students are required to complete a high school personal graduation plan (PGP) before the end of their 9th grade year which will include a four-year plan of study based on their selected endorsement. Texas Education Code 28.02121 states that the personal graduation plan “must include information concerning the benefits of choosing a high school personal graduation plan that includes the distinguished level of achievement under the foundation high school program and includes one or more endorsements to enable the student to achieve a class rank in the top 10 percent for students at the campus.” The personal graduation plan is a working document that counselors will use to monitor student completion of graduation requirements.

Section 504 Services

Section 504 of the Rehabilitation Act of 1973 is a Civil Rights Act, which prohibits discrimination against individuals with a disability in any program receiving Federal financial assistance. In order to fulfill its obligation under Section 504, Seguin ISD recognizes a responsibility to avoid discrimination in policies and practices regarding its students. No discrimination against any students solely due to his/her disability will knowingly be permitted in any of the programs and practices in the school system. The school district has specific responsibilities under Section 504 which include the responsibility to identify, evaluate and, if the student is determined to be eligible under Section 504, to afford access to necessary educational accommodations. For more information regarding Section 504, contact the campus counselor.

Special Education Services

Seguin ISD provides a continuum of special education services for students with disabilities. Special education services are provided according to the student’s Individualized Education Plan (IEP) as per the recommendation of the Annual Review and Dismissal (ARD) Committee. For more information, please see the Seguin ISD Special Education website at <http://www.seguin.k12.tx.us/default.aspx?name=specialeducation.home>.

COURSE SELECTION AND SCHEDULING

Course Selection Process

Step 1: Review Course Catalog and Course Offerings

Students will have the opportunity to review the course guide with special attention given to the graduation requirements. A student should select courses that will help them for their future academic and career goals. Review selections carefully to see if the prerequisites for courses of interest are met.

Step 2: Orientation of Courses

There will be an opportunity to become familiar with graduation plans, programs of study and all course offerings through a series of classroom and parent presentations. Students will be given a 2016-2017 course selection sheet for parents and students to use when planning their courses for the following year.

Step 3: Parent/Guardian Approval

When the 2016-2017 course selection sheet reaches home, parents/guardians and students should take time to discuss the courses and how they fit into the student's plans. Parent/guardians must sign the bottom of the 2016-2017 course selection sheet and the student will return the signed portion to their school counselor.

Step 4: Online Course Selection

During a designated class period, students will use an online system to input their course selections, with assistance from the Seguin High School counseling staff.

Scheduling Process

This course catalog includes course descriptions for all courses offered at Seguin High School. Students are required to enroll in the core area courses required for graduation, which include English Language Arts and Reading, Mathematics, Science, and Social Studies. Students have the option of choosing electives based on interest during the pre-registration process. Elective choices are scheduled based on teacher and sections available for the current school year. If there is insufficient enrollment for a course, the course will not be offered and one of the three alternates listed on the student's 2016-2017 course selection sheet will be used. Additionally, electives may be replaced with accelerated instruction courses in Reading and Math if a student demonstrates a need for targeted intervention.

Students must carefully plan their course selections based on their chosen Early College High School (ECHS) Pathway and Endorsement. Students will receive specific instructions and assistance from school counselors during the pre-registration process. However, it is important that students and parents give careful consideration to selecting appropriate courses.

Schedule Changes

Should a schedule change for the 2016-2017 school year become necessary, a student must submit a request in writing, including the reasons for needing the change, and a parent's signature. Each request will be reviewed by the counselor and may require approval by campus administration. Please note that not all schedule changes may be granted, depending on course offerings, teacher availability, and prerequisites, among other considerations.

ACADEMIC ACHIEVEMENT

Grade Level Classification

Grade level advancement for students in grades 9–12 shall be earned by course credits in accordance with the course catalog per Board Policy EIE (LOCAL). Additionally, 90% attendance is required to earn credit or a final grade in a course per Board Policy FEC (LEGAL). Any required course failed during the school year should be retaken in summer school, by correspondence, or through credit-by-exam or credit recovery. Classifications for the 2016-2017 school year as determined by credits are:

Sophomore – 5 credits

Junior – 10 credits

Senior – 15 credits

Any student who does not pass to the next grade level at the end of a school year (or following summer school) can be reclassified to the next grade level at the end of the next semester if he or she recovers all deficient credits.

Rank and Weight [*Board Policy EIC (LOCAL) Adopted October 6, 2015*]

Grade Point Average

Eligible courses for the calculation of class rank shall include semester grades earned in courses taken for state graduation credit in grades 9–12 only, exclusive of grades earned in summer school; distance learning courses; credit recovery courses; pass/fail courses; and through credit by examination, with or without prior instruction.

A student's weighted numerical grade average shall be computed by totaling the semester numerical grades and dividing by the number of courses taken. When multiple-period courses are included in computing the average, the semester numerical grade shall be entered the same number of times as the number of periods per day the student is enrolled in the course, and that number of periods shall also be reflected in the divisor. The calculation shall include failing grades.

For the purpose of determining honors to be conferred during graduation activities, the District shall calculate class rank in accordance with this policy and administrative regulations by using grades available at the time of calculation at the end of the fifth six-week grading period of the senior year.

Weighted Courses

All courses shall be weighted according to an objective review of course content. The District shall assign weights to semester grades earned in eligible courses and shall calculate a weighted numerical grade average in accordance with the following:

Course Level	Entered grade 9 prior to the 2014–15 school year	Entered grade 9 in the 2014–15 school year or after
AP	1.10	1.10
Dual Credit	<i>Excluded</i>	1.10
Pre-AP/ Accelerated	1.05	1.05
Regular	1.00	1.00

Transfer Students

When a student transfers semester grades for courses that would be eligible under the Regular category and the District has accepted the credit, the District shall include the grades in the calculation of class rank.

When a student transfers semester grades for courses that would be eligible to receive additional weight under the District's weighted grade system, the District shall assign additional weight to the grades based on the categories and grade weight system used by the District.

For students transferring into the District, if the sending institution uses letter grades, the conversion shall be as follows:

A+ = 98	B+ = 88	C+ = 79	D+ = 74
A = 95	B = 85	C = 77	D = 72
A- = 91	B- = 81	C- = 75	D- = 70
			F = 69

Local Graduation Honors

For the purpose of determining honors to be conferred during graduation activities, the District shall calculate class rank in accordance with this policy and administrative regulations by using grades available at the time of calculation at the end of the fifth six-week grading period of the senior year.

For the purpose of applications to institutions of higher education, the District shall also calculate class rank as required by state law. The District's eligibility criteria for local graduation honors shall apply only for local recognitions and shall not restrict class rank for the purpose of automatic admission under state law. [See EIC(LEGAL)]

Honor Graduates (from Seguin ISD Procedures Manual and Student-Parent Handbook)

The top ranking ten percent of graduates who have completed the Recommended or Advanced/Distinguished Achievement Program shall be determined from the students' high school graduating class and designated as honor graduates.

The top two percent of honor graduates shall be designated as summa cum laude.

The next three percent of honor graduates shall be designated as magna cum laude.

The final five percent of the honor graduates shall be designated as cum laude.

Valedictorian and Salutatorian

The valedictorian and salutatorian shall be the eligible students with the highest and second highest rank, respectively. To be eligible for this local graduation honor in the graduating class of 2016 or 2017, a student must:

1. Have been enrolled in the District high school for no fewer than four semesters and have been continuously enrolled in the District high school for the two semesters immediately preceding graduation;
2. Have completed the Recommended Program, the Advanced/Distinguished Achievement Program, or the foundation program with the distinguished level of achievement; and
3. Be graduating after exactly eight semesters of enrollment in high school.

Breaking Grade Average Ties

Beginning with the graduating class of 2018, in case of a tie in weighted numerical grade averages after calculation to the thousandths place, the District shall calculate a weighted numerical grade average using only eligible grades in weighted courses taken by each student involved in the tie.

If the tie is not broken after applying this method, the District shall recognize all students involved in the tie as sharing the honor and title.

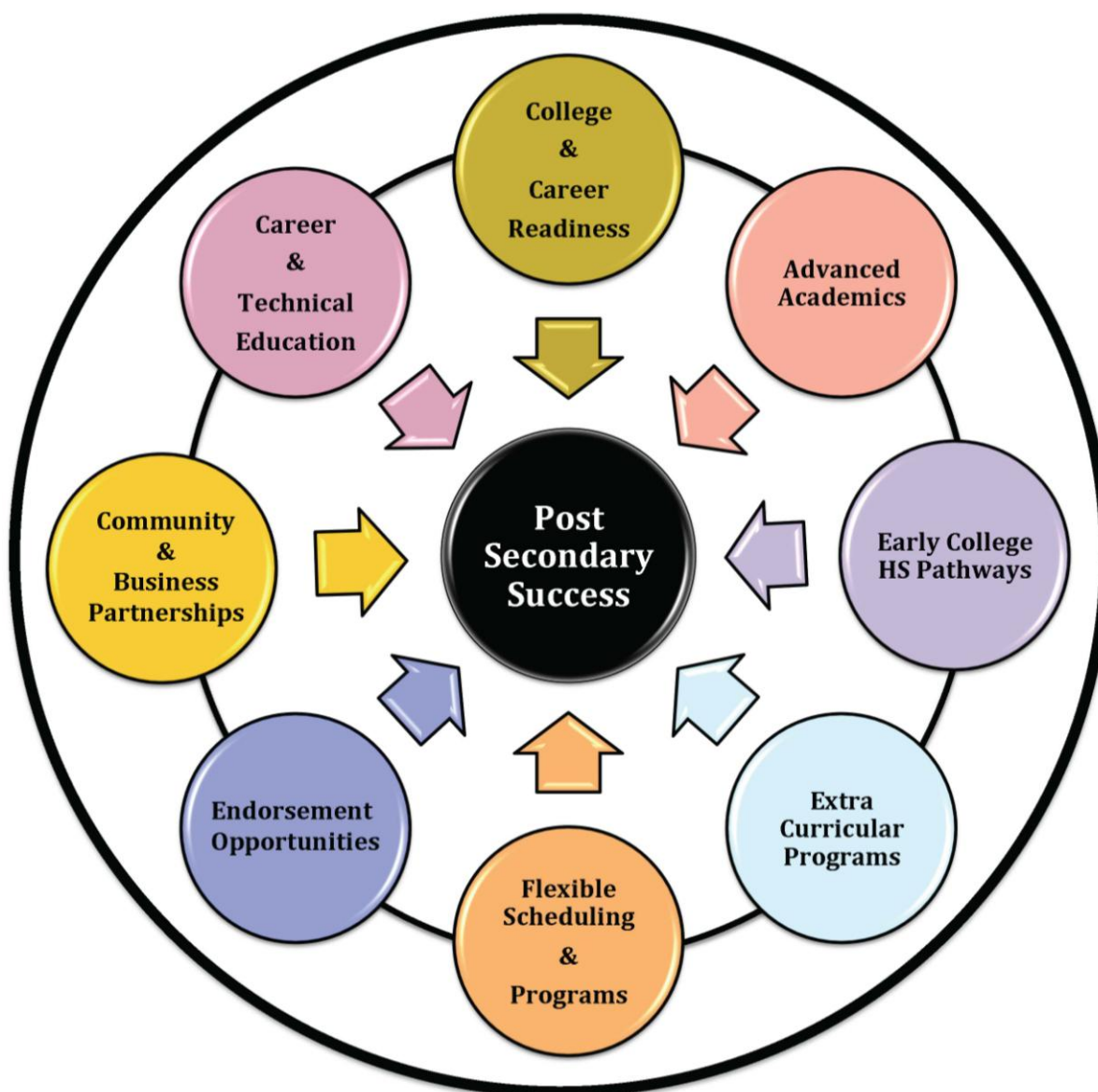
SEGUIN HIGH SCHOOL POST-SECONDARY SUCCESS MODEL

Seguin High School is a dynamic 5A high school and Early College campus where the administration, teachers, students and staff are committed to one mission: SHS=Student Success!

Seguin High School has a rich tradition of producing successful students in areas such as academics, athletics, band, and career and technical education. The success of students is due to our dedicated parents, community, faculty and staff who believe and carry out our mission.

Seguin High School has developed structures for students to grow as learners and develop real life knowledge. For example, as part of our Early College High School, Advancement Via Individual Determination (AVID) helps prepare students for post-secondary success by emphasizing college readiness skills. Our school also has Career and Technical Education (CTE) opportunities for students to explore industry practices, which further provide the platforms for student success. The vision of Seguin High School is to become the standard of excellence for transformative leadership, teaching, and learning in the greater San Antonio area, the State of Texas and beyond.

The illustration below represents our Post-Secondary Success Model available to all our students.



SEGUIN ISD GRADUATION REQUIREMENTS

(For students enrolled in grade 9 prior to 2014)

Seguin ISD students entering grade 9 prior to the fall of the 2014 school year will graduate on the 26-credit Recommended Graduation Program. Students may choose the Distinguished Achievement Program, which also requires 26 credits as well as four advanced measures of achievement (shown below). Students entering grade 9 in 2011-2012 and thereafter will also be required take the State of Texas Assessments of Academic Readiness (STAAR) End of Course (EOC) exams. Students who have accrued all credits and passed all state required assessments will qualify to receive a diploma and be allowed to participate in a graduation ceremony.

- COHORT 2017 -

Recommended Graduation Program	Distinguished Achievement Graduation Program*
English 4 credits	English 4 credits
Mathematics 4 credits <i>Three credits must be Algebra 1, Geometry, and Algebra 2</i>	Mathematics 4 credits <i>Three credits must be Algebra 1, Geometry, and Algebra 2</i>
Science 4 credits <i>To include a Biology, Chemistry, and Physics credit, and one additional science (IPC before Chemistry)</i>	Science 4 credits <i>To include a Biology, Chemistry, and Physics credit, and one additional science (not IPC)</i>
Social Studies 4 credits <i>World Geography, World History, U.S. History, ½ credit each of Economics and U.S. Government</i>	Social Studies 4 credits <i>World Geography, World History, U.S. History, ½ credit each of Economics and U.S. Government</i>
Languages other than English 2 credits <i>Must consist of any two levels of the same language</i>	Languages other than English 3 credits <i>Must consist of any three levels of the same language</i>
Speech ½ credit	Speech ½ credit
Physical Education** 1 credit	Physical Education** 1 credit
Fine Arts 1 credit <i>Art, Band, Choir, Theatre Arts, and Dance</i>	Fine Arts 1 credit <i>Art, Band, Choir, Theatre Arts, and Dance</i>
Electives 5½ credits	Electives 4½ credits
Total: 26 credits	Total: 26 credits

** Students may substitute certain physical activities for the required physical education credit. Substitutions may be earned through participation in marching band, drill team, cheerleading, ROTC, dance, or athletics.

*Distinguished Achievement Program (DAP) Four Advanced Measures

The State of Texas seeks to recognize those students with exceptional achievement in high school. The Distinguished Achievement Program (DAP) is for those students whose accomplishments are of such caliber as to be acknowledged on a national level. This program requires completing the Recommended Program, taking one additional credit in international language and **completing four advanced measures in any combination.**

The measures must focus on demonstrated student performance at the college or professional level. Student performance on advanced measures must be assessed through an external review process. A student must achieve a total of four advanced measures from the following categories:

- Test Data**
 - A score of 3 or above on The College Board Advanced Placement Examination (may count up to 4 different tests)
 - A score on the PSAT that qualifies a student for recognition as a Commended Student or higher by the National Merit Scholarship Corporation in any of their scholarship competitions
- College Courses**
 - A grade of 3.0 (80 average) or higher on courses that count for college credit (may count up to 4 different courses)
- Original Research and/or Project** (Judged by a panel of professionals in the field that is the focus of the project)
 - Conducted under the direction of mentor(s) and reported to an appropriate audience
 - Science Fair Projects: 1st – 4th place winners of any category (Phase II judging) at the Alamo Regional Science and Engineering Fair or the Regional Junior Academy of Science.
- Successful participation and completion of the Seguin Youth Leadership Academy**

SEGUIN ISD GRADUATION REQUIREMENTS

(For students enrolled in Grade 9 in 2014, or thereafter)

Foundation High School Program

A new, more flexible graduation program that allows students to pursue their interests is currently in place. The program includes four parts:

- A 22-credit foundation program which is the core of the new Texas high school diploma
- Five endorsement options that allow students to focus on a related series of courses
- A higher performance category called Distinguished Level of Achievement, which is Seguin ISD's default plan
- Performance Acknowledgements that note outstanding achievement

Foundation + Endorsement <i>(Credit requirements specific to at least one endorsement)</i>	Distinguished Level of Achievement <i>(Credit requirements specific to at least one endorsement)</i>
4 credits English –ELA I, II, III, one credit in any authorized advanced English course	4 credits English –ELA I, II, III, one credit in any authorized advanced English course
4 credits Mathematics – Algebra I, Geometry, two credits in any authorized advanced math course	4 credits Mathematics – Algebra I, Geometry, Algebra II, one credit in any authorized advanced math course
4 credits Science –Biology; one credit in IPC, Chemistry or Physics; two credits in any advanced science courses	4 credits Science –Biology; one credit in IPC, Chemistry or Physics; two credits in any advanced science courses
3 credits Social Studies – World Geography or World History, US History, Government, Economics <i>*Seguin ISD recommends 4 credits of Social Studies</i>	3 credits Social Studies – World Geography or World History, US History, Government, Economics <i>*Seguin ISD recommends 4 credits of Social Studies</i>
2 credits Languages Other Than English (LOTE)	2 credits Languages Other Than English (LOTE)
1 credit Physical Education	1 credit Physical Education
1 credit Fine Arts	1 credit Fine Arts
7 credits in electives	7 credits in electives
Total: 26 credits	Total: 26 credits

Distinguished Achievement = Foundation + Endorsement + Algebra II

A student must earn *Distinguished Achievement* to be considered in the "Top 10%" of the class and qualify for automatic college admission.

Note: Students may move to the [Foundation Graduation Plan](#) only after completing their sophomore year AND with parent or guardian written permission.

Endorsements*

**See a complete outline of Endorsements, Programs, and Course Sequences in the Appendix*

Students will be able to earn one or more endorsements as part of their graduation requirements and they must select an endorsement in the ninth grade. Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area. Students can earn an endorsement by completing the curriculum requirements for the endorsement, including 4th credit of math and science and 2 additional elective credits. **Students can choose from 5 endorsement areas:**

STEM	Business/ Industry	Public Service	Arts & Humanities	Multidisciplinary Studies
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State Assessments Required for Graduation			Performance Acknowledgements
English I	English II	Algebra I	Outstanding performance: Dual credit coursework; bilingualism; AP exam; PSAT; SAT; ACT-Plan; or ACT Certification/Licensure: recognized nationally or internationally by business or industry or a Texas state agency
US History	Biology		

For more information on state graduation requirements, including endorsements, see the TEA Graduation Toolkit, available in [English](#) and [Spanish](#).

SEGUIN ISD GRADUATION REQUIREMENTS - CONTINUED

(For students enrolled in Grade 9 in 2014, or thereafter)

CURRICULUM CHOICES

There are specific courses that a student may select for each content area level. A course completed as part of the set of four courses needed to satisfy an endorsement requirement may also satisfy a requirement under the Foundation High School Program (FHSP), including an elective requirement. Note that there is nothing in rule or law that delineates a specific sequence; however, ***students and parents should pay close attention to the prerequisites for each of these courses.***

English Language Arts Advanced Course Offerings

- English IV
- English IV Dual Credit
- AP English Literature and Composition
- Communication Applications Dual Credit
- Debate 3
- Research and Technical Writing
- Literary Genres

Mathematics Advanced Course Offerings

- Mathematical Models with Applications
- Algebra II
- AP Calculus AB
- Precalculus
- AP Statistics
- AP Computer Science
- Algebraic Reasoning
- Advanced Quantitative Reasoning
- Independent Studies in Math: Dual Credit Math

Science Advanced Course Offerings

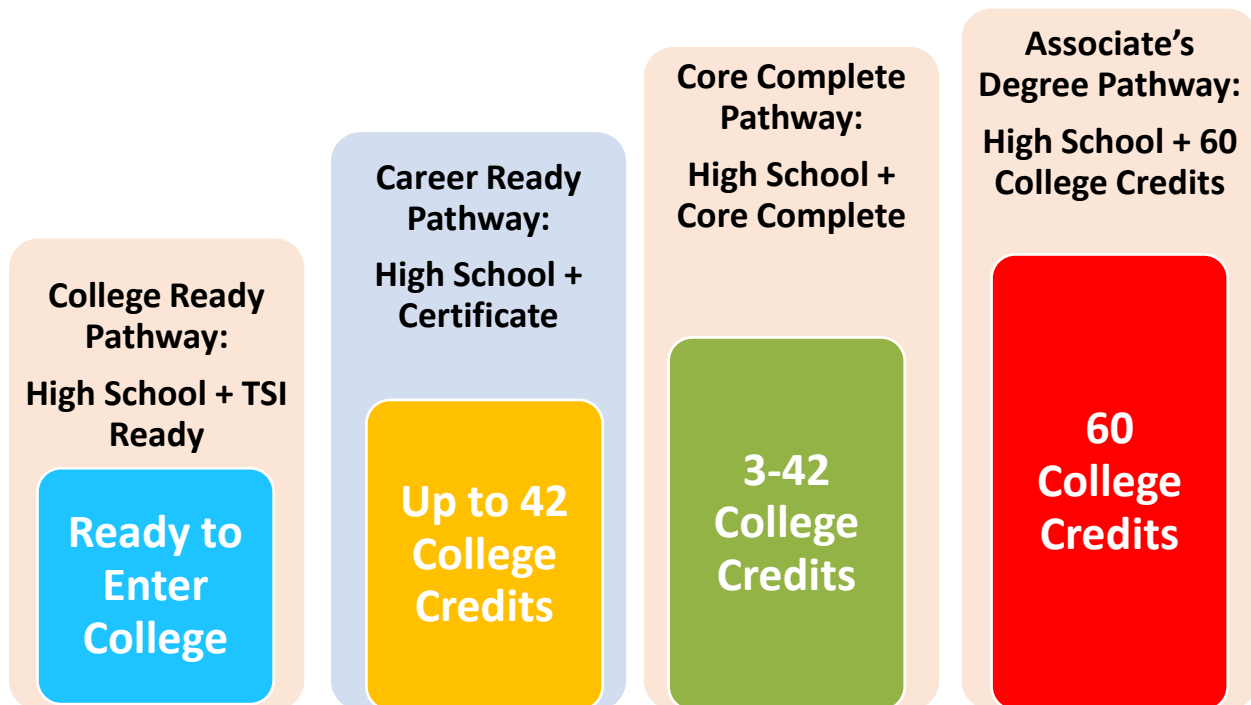
- Chemistry
- Physics
- Forensic Science
- Earth and Space Science
- Environmental Systems
- AP Chemistry
- AP Biology
- Engineering Design and Problem Solving
- Scientific Research and Design: Epidemiology
- AP Environmental Science
- Advanced Plant and Soil Science
- Advanced Animal Science
- Anatomy and Physiology
- Medical Microbiology
- Pathophysiology
- Scientific Research and Design: Biology for Non-Science Majors Dual Credit



SEGUIN EARLY COLLEGE HIGH SCHOOL (ECHS)

Seguin's ECHS uses a comprehensive "College-for-All" model, developed by Seguin ISD and St. Philip's College designed to prepare all students to be college and career ready by providing articulated degree pathways that lead to postsecondary credentials. Each pathway works within the State of Texas graduation requirements and CTE Endorsements. Students who are in graduation Cohorts 2018, 2019 and 2020 are enrolled in Seguin Early College High School.

The Four Pathways* to Success



*Students can transition from one pathway to another based on their desired goals, with the exception of the Associate Degree pathway. Students interested in this pathway must begin this plan freshman year. **Associate degree students will also be required to participate in the Seguin ECHS Summer Bridge Program.**

The chart below provides more information about the Early College High School pathways.

I want my high school experience to be:	College & Career Pathways	Pathway Descriptions
I am not certain of my future plans, but I would like to have all options open to me after I graduate high school.	High School + TSI Ready = College Ready	Earn your high school diploma and be college ready.
I am not sure if college is in my future, but I would like to earn a certification that I can use to find a good job after high school.	High School + Level 1 Certificate or up to 42 college credits = Career Ready	Earn your high school diploma and either a Level 1 Certificate in a technical career OR earn up to 42 Core college credits that can be transferred to any 2-year college or 4-year public university in Texas.
I would like to participate in extracurricular activities such as athletics, band, FFA and possibly others. However, I would like to earn college credit hours that I can use toward an associate degree or bachelor's degree after high school.	High School + 3 – 42 College Credits = Core Complete	Earn your high school diploma and earn 3-42 Core college credits that can be transferred to any 2 year college or 4-year public university in Texas.
I do not plan to participate in extracurricular activities that involves a lot of after school hours but might join a club/organization. I would like to focus on academics and complete an associate degree by the time I graduate.	High School + 60 College Credits = Associate Degree	Earn your high school diploma and an Associate of Arts, Science, or Applied Science. This 2-year degree can be transferred to any 4-year public university in Texas. <i>Must begin this pathway freshman year.</i>

Benefits & Value:

- The cost of tuition for one traditional 3-hour course at St. Philip's College is \$1231 (Out of Alamo Colleges District Tuition), but all college credit courses at Seguin Early College High School will be FREE to the students and their families.
- Students who successfully complete college courses through the Seguin Early College High School can potentially save thousands of dollars!
- College textbooks can cost from \$100 - \$400 per semester, but students enrolled in college credit courses at Seguin Early College High School will have their textbooks paid for by SISD.
- According to the US Census Bureau, Texans with a college degree can earn nearly twice as much (at least \$50,441) as those with only a high school diploma (\$26,008).
- ALL Seguin ECHS students will have access to a variety of academic support programs to maximize attainment of their educational goals.
- Seguin ECHS college credit courses will expose students to rigorous college-level content.

Advancement Via Individual Determination (AVID)

Seguin High School is an AVID site. AVID is a regularly scheduled elective classes for state credit *available to ECHS students*. All Seguin Early College High School Associate Degree Pathway students are enrolled in AVID classes.

AVID courses use writing as a tool for learning, inquiry, and collaboration. The three main components of the AVID program are academic instruction (AVID curriculum), tutorial support, and motivational activities.

The goal of the AVID program in Seguin ISD is to ensure that all students, especially those in the middle who are capable of completing a college-preparatory path, have a chance to succeed and to increase enrollment of these students in four-year colleges and universities.

Students receive at least two hours of instruction per week in college entry-level skills, two hours per week in tutor-led study groups, and one hour per week in motivational activities and academic survival skills. AVID is not designed as a study hall or for students who have a discipline problem. This course supports the student's progress through a college prep curriculum.

Advancement Via Individual Determination

AVID is a global nonprofit organization dedicated to closing the achievement gap by preparing all students for college and other postsecondary opportunities.

It's not just another program, AVID is a system that:

- Holds students accountable to the highest standards
- Provides academic and social support
- Will make students rise to the challenge

AVID also:

- Teaches skills and behaviors for academic success and life
- Provides intensive support with tutorials and strong student/teacher relationships
- Creates a positive peer group for students
- Develops a sense of hope for personal achievement gained through hard work and determination

The AVID system trains educators to use proven practices in order to prepare students for success in high school, college, and in a career; especially students traditionally under-represented in higher education.



Early College High School Academic Policies

The academic policies of the School District and College shall apply to all students enrolled in the ECHS as applicable.

ECHS students are expected to meet academic standards (including academic progress) for College coursework. Semester grades and grading policies shall be outlined in each instructor's course syllabus. Grades are awarded on a 4.0 scale at the College, and High School will convert them to High School letter grades according to its procedures. ECHS students will be informed by the instructor of academic progress/grade status at mid-semester and prior to the Last Day to Drop. Students struggling to maintain a passing grade will be advised by the instructor or the high school counselor to withdraw from the College course in order to avoid future problems related to admissions, financial aid, and scholarships.

- *Withdrawal from the College course does not result in a withdrawal from the high school course; however, the student's permanent college transcript will indicate a "Withdrawal."*
- The ECHS personnel are responsible for advising ECHS students concerning academic progress in high school and college courses.
- Faculty will follow the College policies for Early Alert and grade posting. The ECHS staff and the College Dual Credit Liaison are responsible for monitoring these actions.

Students who fail to maintain a cumulative grade point average (GPA) of 2.00 (C average) are considered scholastically deficient and can be placed on early academic alert, mandatory intervention or academic suspension as appropriate by the College or ECHS. Grade policies for St. Philip's College are accessible on their website at <http://alamo.edu/spc/>.

SEGUIN HIGH SCHOOL DUAL CREDIT COURSES

Seguin High School offers students the opportunity to enroll in college-level courses through academic and technical dual credit programs in which students accrue high school and college credits concurrently.

Dual Credit Program (St. Philip's College, San Antonio College)

The Dual Credit Program allows a student to enroll in a community college to earn college-level credit while at the same time fulfilling high school academic requirements. Some of these courses are offered on the Seguin High School campus and at the Central Texas Technology Center (CTTC).

Dual Credit courses will be offered by Seguin High School if enough students sign up to make a class. Neither Seguin High School nor participating colleges are obligated to form a class without the requisite minimum number of students.

Students must meet enrollment requirements for the participating college in order to sign up for the class. The chart below provides a list of dual credit offerings through St. Philip's College and the Central Texas Technology Center and the alignment between high school and college courses. It also contains the required Texas Success Initiative (TSI) Assessment scores required to enroll in the course. See page 16 for more information on Early College High School Academic Policies.

NOTE: If the student fails a dual credit or dual participation course required for high school graduation, the student cannot use the course to meet his/her graduation requirement.

The courses marked with an asterisk (*) meet the graduation requirements for ECHS students in the Associate and Core Ready Pathways. Some courses require students to attend both semester of the college course in order to earn a full credit for the high school equivalent course (ex. U.S. History and English 4).

SHS Course	High School Credit	College Course	College Credit Hours	Required TSI Reading Score		Required TSI Writing and/or Essay Score	Required TSI Math Score
Art 1* (0512)	0.5	ART 1301: Art Appreciation	3	Option 1	310	363 w/Essay 4 or Essay 5 alone	No Minimum Score Required
				Option 2	351	310	No Minimum Score Required
MAPS I (Methodology of Academic & Personal Success) *	0.5	EDUC 1300: Learning Framework	3	Option 1	310	363 w/Essay 4 or Essay 5 alone	337
				Option 2	351	310	337
Independent Study in Mathematics (2068) *	1	MATH 1314: College Algebra	3	351		363 w/Essay 4 or Essay 5 alone	350

SHS Course	High School Credit	College Course	College Credit Hours	Required TSI Reading Score	Required TSI Writing and/or Essay Score	Required TSI Math Score
Independent Study in Science*	1	BIOL 1408 & 1409: Biology for Non-Sci Majors I & II	6	351	363 w/Essay 4 or Essay 5 alone	337
Psychology*	0.5	PSYC 2301: General Psychology	3	351	363 w/Essay 4 or Essay 5 alone	No Minimum Score Required
Sociology*	0.5	SOCI 1301: Introduction Sociology	3	351	363 w/Essay 4 or Essay 5 alone	No Minimum Score Required
Music 1 Theory*	1	MUSI 1306: Music Theory	3	College Level in One Area	College Level in One Area	College Level in One Area
English 3 (1080) *	1	ENGL 1301 & 1302: Composition I & II	6	351	363 w/Essay 4 or Essay 5 alone	No Minimum Score Required
English 4 (1199) *	1	ENGL 2322 & 2323: British Lit. I & II	6	351	363 w/Essay 4 or Essay 5 alone	No Minimum Score Required
US Government (4198) *	0.5	GOVT 2305: Federal Government	3	351	363 w/Essay 4 or Essay 5 alone	No Minimum Score Required
Economics with Emphasis on the Free Enterprise System and its Benefits (4199) *	0.5	ECON 2301: Principles of Macroeconomics	3	351	363 w/Essay 4 or Essay 5 alone	337
US History (4190) *	1	HIST 1301 & 1302: US History I & II	6	351	363 w/Essay 4 or Essay 5 alone	No Minimum Score Required
Communication Applications (1910)*	0.5	SPCH 1311: Intro to Speech Communication	3	351	363 w/Essay 4 or Essay 5 alone	No Minimum Score Required
Advanced Precision Metal Manufacturing (ADVPMM - 13032600*) Advanced Tech. & Man Academy (Year 1) (81361)	3.0	TECM 1303 MCHN 1320 MCHN 1270 MCHN 1302 MCHN 1438	15			
Manufacturing Engineering (MANUENG 13032900*) Advanced Tech. & Man Academy (Year 2) (81362)	3.0	INMT 2303 ELPT 1319 QCTC 1243 MCHN 1426 ENTC 1305 INMT 2303 ELPT 1319	21			
Research in Information Technology Solutions (RESITSOL - 13028000*) Information Technology & Security Academy (Year 1) (81166)	3.0	ITSC 1305 ITNW 1425 ITSC 1425 ITSC 2439	15			
Research in Information Technology Solutions II (RESITSO2 - 13028010*) Information Technology Security Academy & (Year 2) (81167)	3.0	ITSC 1316 ITSY 1342 ITSE 1302 ITSE 1311	12			

ADVANCED ACADEMICS

Seguin ISD is committed to providing multiple opportunities for students to participate in advanced academic coursework during their high school experience. The section below provides more information regarding available opportunities and district policies supporting advanced academics. Additionally, advanced academics provide opportunities to serve students identified as Gifted and Talented (GT).

Advanced Academic Course Student Agreements: Advanced Placement (AP), Dual Credit, Pre-AP

Students who participate in advanced academic courses must complete an Advanced Academic Course Student Agreement(s) and turn in the completed agreement(s) signed by parent or guardian to their teacher before the end of the first week of school. Success in advanced academic courses requires the student's commitment to the expectations of the advanced level course program. Students will be expected to:

- analyze, synthesize, and manipulate knowledge and skills and think critically;
- budget time effectively and efficiently and develop successful study skills;
- commit to a daily academic action plan and attend tutoring regularly if needed;
- come to school early and/or stay late in order to attend tutoring;
- engage in electronically-assigned research and/or communications;
- increase advanced content area vocabulary.

For more information about the Advanced Level Course Agreements and to see a sample agreement, students and parents should contact the counselor.

Advanced Placement (AP) Courses

Advanced Placement courses are offered in many content areas and can be found within each core course listing. These courses are extremely rigorous as they are college-level courses that follow a college curriculum approved by The College Board. **Students taking these courses are required to take the AP tests offered in the spring and these tests have additional fees paid by the students.** Seguin ISD is committed to working with all students and their families to provide fee reduction and/or waiver opportunities, as applicable. Students scoring a 3, 4, or 5 on one of these tests are usually able to gain some college credit and will be reimbursed for testing fees. Students should consult specific colleges for what scores and tests they accept as each school awards credit differently.

Any student in 9th – 12th grades may enroll in a Pre-AP/AP course as long as the student and the parents are willing to commit to the program. However, the teachers, counselors, and administrators strongly recommend that students and parents conference with the current teacher before making their final decisions.

Students are cautioned about taking too many advanced-level courses at one time because of the rigorous curricula. Remember that most college students take 3-5 college-level courses with minimal extracurricular practices and obligations, so caution is recommended.

If a change in scheduling is recommended based on students' needs, the schedule change would take place up to the end of the first six weeks or at the end of the first semester. Parent/teacher/counselor communication is required prior to withdrawal from the course.

Examination for Acceleration

In accordance with Board Policy EHDC (LOCAL), students in grades 6-12 may be given credit for an academic subject for whom he or she had no prior instruction. If a student is given credit in a subject on the basis of an examination on which the student scored 80 percent or higher, the District shall enter the examination score on the student's transcript and the student is not required to take an end-of-course (EOC) assessment instrument under Education Code 39.023(c) for the course. For more information about Credit by Examination, see the Seguin ISD website at <http://www.seguin.k12.tx.us/default.aspx?name=ci.accelerationexams>.

Gifted and Talented (GT) Services

Seguin ISD defines gifted and talented as any child or youth in grades K-12 who performs at, or shows the potential for performing at, a remarkably high level of accomplishment when compared to others of the same age, experience, or environment and who:

- (1) Exhibits high performance capability in general intellectual ability; or
- (2) Excels in one or more specific academic fields: math, science, language arts, and/or social studies

Students who participate in services designed for gifted students will demonstrate skills in self-directed learning, thinking, research, and communication as evidenced by the development of innovative products and performances that are advanced in relation to students of similar age, experience, or environment and that reflect individuality and creativity. High school graduates who have participated in services for gifted students will produce products and performances of professional quality as part of their program services.

Seguin ISD offers services for identified GT students through Pre-AP and AP courses from a GT trained teacher. The Pre-AP and AP courses are designed to meet the needs of Gifted and Talented (GT) students.

Additionally, teachers may utilize resources from the Texas Performance Standards Project (TPSP) in their classes. This resource provides differentiated instruction to GT students through a coherent package of standards, curriculum, and assessments. For more information about the Texas Performance Standards Project (TPSP), visit <http://www.texaspsp.org/>.

Furthermore, out-of-school enrichment opportunities are also provided for students including Destination ImagiNation, UIL activities, and Science Fair.

Other Opportunities for Acceleration

Additional opportunities will be considered for students who are interested in completing their course work at an accelerated pace. **Any opportunity for acceleration will require pre-approval by campus administration.**

Additionally, Seguin ISD does not assume any costs related to opportunities for acceleration not offered at Seguin High School.

Considerations include alignment of acceleration opportunity to state graduation requirements and state-approved Texas Essential Knowledge and Skills (TEKS) of specific courses. Students must also meet any necessary prerequisites for acceleration.

Pre-Advanced Placement (Pre-AP) Courses

Pre-Advanced Placement (Pre-AP) courses are designed to teach students strong study habits, critical thinking skills and learning strategies to prepare them for taking Advanced Placement (AP) courses. Pre-AP course offerings are available in English, Math, Science and Social Studies and are taught by teachers who are provided professional development in gifted and talented (GT) and Pre-AP strategies. The increased academic rigor of these courses is based on additional enrichment activities, reading and writing assignments. While Pre-AP courses are rigorous college preparatory courses, they are not college-level courses.

Texas Lutheran University (TLU) Dual Participation Program

The TLU Dual Participation program provides an opportunity for some seniors to attend TLU to earn college-level credit. Any senior wishing to participate in the program must meet the following criteria:

- Ranked in the top 10% of the class
- Have an SAT of 1180 (Critical Reading and Math only)
- ACT Composite Score of 25
- Require six or fewer credits for graduation

Participation is limited to the courses outlined in the TLU Dual Participation/SHS Course Crosswalk as these courses have been aligned to equivalent courses for state credit. Please note that some courses, such as English 4, require students to attend both semesters of the college course to earn the full credit for the high school equivalent course. **If the student fails a dual participation course required for high school graduation, the student cannot use the course to meet his/her graduation requirement.**

As part of the Dual Participation Program, students may enroll in one college course per semester. Any additional courses will require counselor and administrator approval. Parents and/or students are responsible for additional tuition and fees. A student may enroll in a maximum of 8 college hours per semester.

TESTING INFORMATION

COLLEGE AND CAREER WEBSITES

Career Exploration:

www.bls.gov/oco
www.texasotjjobs.org
www.careeronestop.org
www.texasgenuine.org/
www.twc.state.tx.us/

College Exploration & Applications:

www.collegeboard.com
www.comparecollegetx.com
www.applytexas.org
www.commonapp.org
www.collegeforalltexas.com

Financial Assistance:

www.fafsa.ed.gov
www.studentaid.ed.gov
SHS Local Scholarships

SAT Registration & Prep:

www.sat.collegeboard.org
<https://www.khanacademy.org/test-prep/sat>

ACT Registration & Prep:

www.act.org

TSI Prep: <https://accuplacerpractice.collegeboard.org/login>

Note: All fees listed below are subject to change according to testing agency. For the most current testing fees, please refer to testing agency websites listed above, if applicable.

Advanced Placement (AP) Exams

- College Board AP Exams cover college-level content in specific AP courses.
- College Board AP Exams are given once per year in May.
- AP Exam scores range from 1-5, with most colleges awarding credit hours for scores of 3 or better.
- Students should check with individual colleges and universities for their requirements.

Price: \$92 per exam, a portion of fees will be covered through fee waiver reductions provided by College Board, Texas Education Agency (TEA) and Seguin ISD; students who earn a 3 or higher will be fully reimbursed for what they pay towards exam fee.

Registration: Students register during the spring semester in their AP classes.

American College Test (ACT)

- The ACT is typically taken by Juniors and Seniors.
- The ACT assesses general educational development and covers four skill areas: English, Mathematics, Reading, and Science. The Writing Test is optional, but many colleges and universities now require it for students submitting ACT scores.
- Scores range from 1-36 on each section; an overall composite score of 1-36 is given.
- The ACT is administered six times per year in the United States.
- The ACT is the most widely accepted college entrance exam in the United States.

Price: \$39.50 for the basic registration fee and \$56.50 for the ACT Plus Writing Test (subject to change)

Registration: Students can register by mail or on-line at www.actstudent.org. (Registration is required about four weeks in advance of each test date.) Information is available in the counseling office.

Armed Services Vocational Aptitude Battery (ASVAB)

- Grades 10-12
- The ASVAB is the most widely used multiple-aptitude test battery in the world.
- All students are eligible to take this test, which is usually offered during the fall semester.
- Students planning a career in the military should take the ASVAB, but the test assesses academic ability and predicts success in a wide variety of occupations for all students.

Price: Free

Registration: Students should sign up with their counselors in November.

PSAT/National Merit Scholarship Qualifying Test (NMSQT)

- Freshmen, sophomores, and juniors are eligible to take this test, which is offered in October. Only third-year students are eligible for National Merit Scholarship consideration.
- The PSAT/NMSQT covers Mathematics, Reading, and Writing.
- The PSAT/NMSQT is great practice for the SAT.

Price: No charge to student, all costs incurred by Seguin ISD

Registration: Students should sign up with their counselors in September.

SAT

- The SAT is one of two entrance exams required by most four-year colleges and universities.
- The SAT is typically taken by Juniors and Seniors.
- The SAT measures critical thinking skills and includes three sections: Evidenced-Based Reading and Writing, and Mathematics. Each section is scored on a scale of 200-800.
- The SAT is administered seven times per year in the United States.

Price: \$54.50 (subject to change)

Registration: Students can register by mail or on-line at www.sat.collegeboard.org. Registration is required about four weeks in advance of each test date.

SAT Subject Tests

- The SAT Subject Tests are designed to measure knowledge and skills in a particular content area.
- Many colleges use the Subject Tests for admission to a particular degree program and for course placement.
- Subject Tests are offered in five general areas: English, History and Social Studies, Languages, Mathematics, and Science. Each section is scored on a scale of 200-800.
- The SAT subject tests are administered seven times per year in the U.S.

Price: \$26 per Language Test with Listening and \$18 per all other Subject Tests, with a registration fee of \$20 (subject to change)

Registration: Students can register by mail or on-line at www.sat.collegeboard.org. Registration is required about six weeks in advance of each test date.

State of Texas Assessments of Academic Readiness (STAAR) End-of-Course (EOC) Exams

- STAAR EOC Tested Subjects: English 1, English 2, Algebra 1, Biology, and US History

Texas Success Initiative Assessment (TSI)

- The Texas Success Initiative assessment is designed to help determine if you are ready for college-level course work in the general areas of reading, writing and mathematics.
- The results of the assessment, in conjunction with your academic background, goals and interests, are used by academic advisers and counselors to place you in the appropriate courses that match your skill level.
- College-Readiness Cut-Scores:
 - Mathematics: a score ranging from 350 to 390 in the multiple-choice section
 - Reading: a score ranging from 351 to 390 in the multiple-choice section
 - Writing: a score of 5 in the essay section OR a 4 on the essay with a score ranging from 363 to 390 on the Writing multiple choice section
- This assessment is required for some dual credit courses. Refer to the Dual Credit course listing on pages 16-17 for specific score requirements.

Price: No charge to student, all costs incurred by Seguin ISD

Registration: Students should sign up with their counselors in November.

ENGLISH LANGUAGE ARTS

ENGLISH 1 (1002)

Grade: 9 **Credit: 1.0**

TEA: 03220100

PREREQUISITE: None

Students will use a variety of strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled.

PRE-AP ENGLISH 1 (1009)

Grade: 9 **Credit: 1.0**

TEA: 03220100

RECOMMENDED: Pre-AP ELAR 8th

This course is a substitute for ENGLISH 1. Students will work independently and within a learning community to critically analyze a variety of literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse and complex selection of texts. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. A variety of research techniques will be taught to facilitate independent investigation of concepts and ideas. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled.

ENGLISH 1 MODIFIED (1002M)

Grade 9 **Credit: 1.0**

TEA: 03220105

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

Students will use a variety of strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

ENGLISH 1 ALTERNATE (1002A)

Grade 9 **Credit: 1.0**

TEA: 03220107

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

English I Alternate will assist students in developing skills in the areas of expressive, receptive, written and/or symbolic representations of language. Attention is given to the ability to communicate effectively within the range of the student's abilities (direct or through assistive devices). Students will integrate language in order to understand oral, written and/or symbolic communication. Oral, written and/or symbolic language will be used to express ideas, needs and inquiries. Communication will be examined in regard to social appropriateness, environmental cues

and prompts, understanding generalizations in real life contexts, the responsibilities of independent living and participation in the community.

READING 1 (1616)

Grade: 9 **Credit: 0.5**

TEA: 03270700

PREREQUISITE: Enrollment based on 8th grade Reading STAAR results.

RECOMMENDED: Pair with Strategic Learning for High School Math.

Reading 1 offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

ENGLISH 2 (1022)

Grade: 10 **Credit: 1.0**

TEA: 03220200

PREREQUISITE: None

Students will use a variety of strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts that reflect a wide range of cultures and world experiences. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts.

Vocabulary acquisition strategies leading to increasing reading levels will be instilled.

PRE-AP ENGLISH 2 (1029)

Grade: 10 **Credit: 1.0**

TEA: 03220200

RECOMMENDED: Pre-AP English 1

This course is a substitute for ENGLISH 2. Students will work independently and within a learning community to critically analyze a variety of literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse and complex selection of texts that reflect a wide range of cultures and world experiences. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. A variety of research techniques will be taught to facilitate independent investigation of concepts and ideas. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled.

ENGLISH 2 MODIFIED (1022M)

Grade 10 **Credit: 1.0**

TEA: 03220205

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

Students will use a variety of strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts that reflect a wide range of cultures and world experiences. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research

techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

ENGLISH 2 ALTERNATE (1022A)

Grade 10 **Credit: 1.0**

TEA: 03220207

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

English 2 Alternate will assist students in developing skills in the areas of expressive, receptive, written and/or symbolic representations of language. Attention is given to the ability to communicate effectively within the range of the student's abilities (direct or through assistive devices). Students will integrate language in order to understand oral, written and/or symbolic communication. Oral, written and/or symbolic language will be used to express ideas, needs, and inquiries. Communication will be examined in terms of social appropriateness, environmental cues and prompts, understanding generalizations in real life contexts, the responsibilities of independent living and participation in the community.

READING 2 (1201)

Grade: 10 **Credit: 1.0**

TEA: 03270800

PREREQUISITE: Enrollment based on ELA I EOC results.

Reading 2 offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and

understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

ENGLISH 3 (1052)

Grade: 11 **Credit: 1.0**

TEA: 03220300

PREREQUISITE: None

Students will use a variety of strategies to comprehend and analyze a variety of genres with emphasis on American literature. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts and present their ideas articulately in a correct and appropriate written format. Students will continue to communicate more complex and insightful ideas effectively using appropriate formats. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Students will implement effective and thoughtful research strategies to produce a formal research paper with correct documentation of sources and format.

**ADVANCED PLACEMENT (AP)
ENGLISH 3: LANGUAGE AND
COMPOSITION (1069)**

Grade: 11 **Credit: 1.0**

TEA: A3220100

RECOMMENDED: Pre-AP English 2

This course is a substitute for English 3. Instruction is rigorous and is designed to prepare college-bound students. Students will work independently and within a learning community to critically analyze a variety of literary genres with emphasis on influential works of American literature. Students will use their understanding of rhetorical strategies and literary elements to analyze and evaluate complex

literature. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled. Students will implement effective and thoughtful research strategies to produce research products with correct documentation of sources and format. Students are required to take the Advanced Placement exam in May.

**ENGLISH 3 DUAL CREDIT:
COMPOSITION 1 & 2 (1080)**

Grade: 11 Credit: 1.0

TEA: 03220300

PREREQUISITE: Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings
English 3 Dual Credit may substitute for English 3. Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

ENGL 1301 – Composition 1

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

ENGL 1302 – Composition 2

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

documentation of information sources; and critical thinking about evidence and conclusions.

ENGLISH 3 MODIFIED (1052M)

Grade 11 Credit: 1.0

TEA: 03220305

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

Students will use a variety of strategies to comprehend and analyze a variety of genres with emphasis on American literature. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts and present their ideas articulately in a correct and appropriate written format. Students will continue to communicate more complex and insightful ideas effectively using appropriate formats. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Students will implement effective and thoughtful research strategies to produce a formal research paper with correct documentation of sources and format. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

ENGLISH 3 ALTERNATE (1052A)

Grade 11 Credit: 1.0

TEA: 03220307

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

Students will integrate language in order to understand oral, written and/or symbolic communication. Oral, written and/or symbolic language will be used to express needs, preferences, interests, ideas, and make inquiries. Communication will be examined in regard to social appropriateness, environmental cues prompts, and understanding generalizations in a real life context,

Students will articulate the responsibilities of independent living and skills that relate directly to employment. English III Alternate will explore job related language use as seen in employment services, interview skills, interpersonal skills, job search and the application process.

PRACTICAL WRITING SKILLS (1098)

Grade: 11 Credit: 1.0

TEA: 03221300

PREREQUISITE: Enrollment based on ELA I and/or II EOC results.

This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. Students are expected to understand the recursive nature of reading and writing. Evaluation of students' own writing as well as the writing of others ensures that students completing this course are able to analyze and evaluate their writing.

ENGLISH 4 (1082)

Grade: 12 Credit: 1.0

TEA: 03220400

PREREQUISITE: None

Students will use a variety of strategies to comprehend and analyze a variety of genres with emphasis on British literature. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts and present their ideas articulately in a correct and appropriate written format. Students will continue to communicate more complex and insightful ideas effectively using appropriate formats. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Students will implement effective and thoughtful research strategies to produce a

formal research paper with correct documentation of sources and format.

**ADVANCED PLACEMENT (AP)
ENGLISH 4: LITERATURE AND
COMPOSITION (1099)**

Grade: 12 **Credit: 1.0**

TEA: A3220200

RECOMMENDED: Advanced

Placement (AP) English 3

This course is a substitute for English 4. Instruction is rigorous and is designed to prepare college-bound students. Students will work independently and within a learning community to critically analyze a variety of literary genres with emphasis on influential works of British and American literature. Students will use their understanding of rhetorical strategies and literary elements to analyze and evaluate complex literature. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled. Students will implement effective and thoughtful research strategies to produce research products with correct documentation of sources and format. Students are required to take the Advanced Placement exam in May.

**ENGLISH 4 DUAL CREDIT: BRITISH
LITERATURE 1 & 2 (1199)**

Grade: 12 **Credit: 1.0**

TEA: 03220400

PREREQUISITE: ENGL 1301 & 1302; Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings

English 4 Dual Credit may substitute for English 4. This is a college-level course that focuses on British Literature. A research paper is required which stresses methodology,

organization, and techniques for effective written communication.

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course receive 3 credit hours per semester from St. Philip's College.

ENGL 2322: British Literature I

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

ENGL 2323: British Literature II

A survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

EOC ACCELERATED ENGLISH (0029)

Grade: 12 **Credit: 0.5**

TEA: 85000026

PREREQUISITE: Enrollment based on English 1 and/or 2 EOC results.

NOTE: Offered in the Fall Semester only; Locally developed course – does not fulfill state credit requirements for graduation.

In this course, students will work in a learning community to implement highly effective reading and writing practices and strategies. Students will focus on genre-based literary analysis. Students will learn correct spelling, punctuation, grammar, revision and organization in order to produce well-written expository and persuasive compositions. Targeted instruction and intervention will be based on student needs.

**COLLEGE PREP ELA (TSI COURSE)
(1090)**

Grade: 12 **Credit: 1.0**

TEA: CP110100

PREREQUISITE: Enrollment based on TSI results.

NOTE: This course does not fulfill state credit requirements for graduation.

This is a college preparatory course designed to extend the understanding of English Language Arts concepts. The necessary components of grammar, persuasion, and argumentation needed for success in college are reviewed. Application of abstract and analytical thinking skills, advanced vocabulary, and writing skills are stressed. This is a fourth year course focused on those English Language Arts (ELA) skills necessary to pass the ELA placement tests at colleges, technical schools, and area community colleges.

READING SEMINAR (1618)

Grade: 9-12 **Credit: 1.0**

TEA: 84000015

RECOMMENDED: Students are placed in this course by the 504 Committee or Counselor Approval

NOTE: Locally developed course – does not fulfill state credit requirements for graduation.

This course uses Tier 3 reading intervention to help students further develop student reading skills. This course may be repeated for a maximum of 3 credits.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) is offered to assist students whose native language is not English in gaining a level of fluency which will enable their completion of a high school education. A maximum of 2 ESOL English credits may be applied to the 4-credit English requirement for graduation. Additional ESOL courses will be counted as elective credits.

ENGLISH 1 FOR SPEAKERS OF OTHER LANGUAGES – ESOL 1 (1011)

Grade: 9 **Credit: 1.0**

TEA: 03200600

PREREQUISITE: None

This course teaches the same academic content as English I while supporting English Language Learners in developing interpersonal and academic vocabulary. Initial instruction focuses on listening and speaking, and reading and writing skills are developed simultaneously as the student comprehends and speaks more English.

ENGLISH 1 FOR SPEAKERS OF OTHER LANGUAGES MODIFIED – ESOL 1 (1011M)

Grade: 9 **Credit: 1.0**

TEA: 03200605

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course teaches the same academic content as English I while supporting English Language Learners in developing interpersonal and academic vocabulary. Initial instruction focuses on listening and speaking, and reading and writing skills are developed simultaneously as the student comprehends and speaks more English. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

ENGLISH 1 FOR SPEAKERS OF OTHER LANGUAGES ALTERNATE– ESOL 1 (1011A)

Grade: 9

Credit: 1.0

TEA: 03200607

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This is a supportive functional reading course designed to meet the special needs of English Language Learners who qualify through special education. Students apply the use of speaking, listening, reading, and writing strategies in order to enhance their knowledge and skills in the processes of reading. Relevant and meaningful applications are used in order to provide context for the use of reading in real life and practical situations.

ENGLISH 2 FOR SPEAKERS OF OTHER LANGUAGES – ESOL 2 (1031)

Grade: 10

Credit: 1.0

TEA: 03200700

PREREQUISITE: ESOL 1

This course teaches the same academic content as English 2 while supporting English Language Learners in developing interpersonal and academic vocabulary. This is a course dedicated to vocabulary development in content areas through whole language approach. Communicative skills are stressed.

ENGLISH 2 FOR SPEAKERS OF OTHER LANGUAGES MODIFIED – ESOL 2 (1031M)

Grade: 10

Credit: 1.0

TEA: 03200705

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course teaches the same academic content as English 2 while supporting English Language Learners in developing interpersonal and academic vocabulary. This is a course dedicated to vocabulary development in content areas through whole

language approach. Communicative skills are stressed. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

ENGLISH 2 FOR SPEAKERS OF OTHER LANGUAGES ALTERNATE– ESOL 2 (1031A)

Grade: 10

Credit: 1.0

TEA: 03200707

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This is a supportive functional reading course designed to meet the special needs of English Language Learners who qualify through special education. Students apply the use of speaking, listening, reading, and writing strategies in order to enhance their knowledge and skills in the processes of reading. Relevant and meaningful applications are used in order to provide context for the use of reading in real life and practical situations.

READING – ESL 1 & 2 (1610, 1611)

Grade: 9-12

Credit: 1.0

TEA: 03270700, 03270800, 03270900

PREREQUISITE: None

This beginner through intermediate-level ESOL course focuses on understanding and interpreting reading selections related to a thematic unit covered in ESOL-I and ESOL-2, which are taken in conjunction with this course, to develop reading skills necessary for basic skill test and mainstream course work. Research projects and development of study skills are important aspects of this course. This course may be repeated for (elective) credit.

ENGLISH ELECTIVE COURSES

PROFESSIONAL COMMUNICATIONS (80347)

Grade: 12

Credit: 0.5

TEA: 13009900

PREREQUISITE: None

This speech course prepares students for successful participation in professional and social life through the development of effective communication skills. Students will learn to send clear verbal messages, choose effective nonverbal behaviors, listen for desired results, apply valid critical-thinking and problem solving processes, and make effective presentations.

COMMUNICATION APPLICATIONS DUAL CREDIT (1910DC)

Grade: 9-10

Credit: 0.5

TEA: 03241400

PREREQUISITE: Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings
SPCH 1311- Introduction to Speech Communication

This course focuses on theories and practice of communication in interpersonal, small group and public speech. Students learn about communication theory, improve skills in communication with others, and make formal oral presentations. Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course receive 3 credit hours per semester from St. Philip's College.

DEBATE 1, 2 and 3 (1812, 1813, 1814)

Grade: 10-12

Credit: 1.0

TEA: 03240600, 03240700, 03240800

PREREQUISITE: None

Students in this course will develop the skills needed to participate in UIL debate events. Studies will include debate formats, logical/critical thinking, reading skills for research, briefing of arguments, interpreting resolutions, construction of

affirmative and negative cases, listening to cross examination, evaluation arguments, and presenting debates. Students will be required to enter and attend interscholastic competitions and will be required to attend practice and research sessions outside of school time.

LITERARY GENRES: MYTHOLOGY* (1760)

Grade: 11-12

Credit: 0.5

TEA: 03221500

PREREQUISITE: None

In this comprehensive course students read, write, discuss, research, and create projects in order to explore the patterns, messages, and implications of myths. This course examines the crucial centerpiece of the human quest for order, meaning and significance: myth. Beyond the thorough investigation of major mythic traditions (Greek, Roman, Norse, Egyptian), careful attention is devoted to exploring a "reader's perspective" on myth (critical, "objective," or sympathetic) and major thematic elements. Students draw regular parallels to and applications from the myths of interest.

LITERARY GENRES: THE BIBLE AS LITERATURE* (1765)

Grade: 11-12

Credit: 0.5

TEA: 03221500

PREREQUISITE: None

The course approaches the study of the Hebrew Bible as literature, considering such topics as the history of the texts, imagery, wisdom literature, and various literary motifs such as the hero story, the journey, rite of passage, and reversal. The course will also consider the influence of the Bible in world literature and art.

* Students must successfully complete both semester courses to earn 1.0 state credit/unit of Literary Genres.

MATHEMATICS

ALGEBRA I (2003)

Grade: 9-12

Credit: 1.0

TEA: 03100500

PREREQUISITE: None

Algebra I provides students insights through the content strands of linear functions, equations, and inequalities, quadratic functions and equations, exponential functions and equations, and number and algebraic methods. 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.

ALGEBRA I MODIFIED (2003M)

Grade: 9-12

Credit: 1.0

TEA: 03100505

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

In Algebra 1, 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. Algebra 1 is a

requirement for graduation. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

ALGEBRA I ALTERNATE (2003A)

Grade: 9-12 Credit: 1.0

TEA: 03100507

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course is designed to reinforce math operations using a variety of practical, real life situations that facilitate the understanding of using mathematics in daily living exercises. Emphasis is on applying mathematics in the use of money, personal financial situations and solving home and work problems by using the concepts of fundamental mathematics. Students practice these strategies within the context of simulations designed to reinforce the understanding of basic operations, as well as the application of these operations within technological tools that enhance understanding and accuracy.

STRATEGIC LEARNING FOR HIGH SCHOOL MATH (2006)

Grade: 9 Credit: 0.5

TEA: N1110030

PREREQUISITE: Enrollment based on grade 8 STAAR Math results.

RECOMMENDED: Pair with Reading 1.

This course is designed to ensure success on Algebra I End of Course exams. The course is intended to create strategic mathematical learners from underprepared mathematics students. The basic understandings will stimulate students to think about their approach to mathematical learning.

EOC ACCELERATED ALGEBRA I (0020)

Grade: 10-12 Credit: 1.0

TEA: 84100008

PREREQUISITE: Enrollment based on grade 8 STAAR Math and/or Algebra I EOC results.

NOTE: Locally developed course – does not fulfill credit requirements for graduation.

In this course, students will explore functional relationships and their associated solutions in both mathematical and real-world situations. Targeted instruction and intervention will be provided based on student needs.

GEOMETRY (2023)

Grade: 9-12 Credit: 1.0

TEA: 03100700

PREREQUISITE: Algebra I

In Geometry, 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. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs.

PRE-AP GEOMETRY (2029)

Grade: 9-12 Credit: 1.0

TEA: 03100700

PREREQUISITE: Algebra I

This course provides a more in-depth experience in the concepts of Geometry. 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

GEOMETRY MODIFIED (2023M)

Grade: 9-12 Credit: 1.0

TEA: 03100705

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

Geometry provides a general study of plane and solid geometry. Topics include points, lines, planes, angles, polygons, circles, solids, properties, theorems, coordinate geometry, transformations, and probability, as well as a review of algebraic skills. Reasoning skills are developed through this course. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

GEOMETRY ALTERNATE (2023A)

Grade: 9-12 Credit: 1.0

TEA: 03100707

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course is designed to reinforce math operations using a variety of practical, real life situations that facilitate the understanding of using mathematics in daily living exercises. Students practice these strategies within the context of simulations designed to reinforce the understanding of basic operations, as well as the application of these operations within technological tools that enhance understanding and accuracy.

ALGEBRAIC REASONING (2007)

Grade: 9-12 Credit: 1.0

TEA: 03102540

PREREQUISITE: Algebra I

This course builds on the knowledge and skills for mathematics leading up to and including Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will

broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

ALGEBRA II (2053)

Grade: 9-12 **Credit: 1.0**

TEA: 03100600

PREREQUISITE: Algebra I

In Algebra 2, 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.

PRE-AP ALGEBRA II (2059)

Grade: 9-12 **Credit: 1.0**

TEA: 03100600

PREREQUISITE: Algebra I

This course provides a more in-depth experience in the concepts of Algebra 2. In Algebra 2, 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.

ALGEBRA II MODIFIED (2053M)

Grade: 9-12 **Credit: 1.0**

TEA: 03100605

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

In Algebra II, 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. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

ALGEBRA II ALTERNATE (2053A)

Grade: 9-12 **Credit: 1.0**

TEA: 03100607

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

These courses are designed to reinforce math operations using a variety of practical, real life situations that facilitate the understanding of using mathematics in daily living exercises. Students practice these strategies within the context of simulations designed to reinforce the understanding of basic operations, as well as the application of these operations within technological tools that enhance understanding and accuracy.

MATHEMATICAL MODELS WITH APPLICATIONS (2061)

Grade: 11-12 **Credit: 1.0**

TEA: 03102400

PREREQUISITE: Algebra I

In mathematical models with applications, students will use a mathematical modeling cycle to analyze problems, understand problems better, and improve decisions. Students will also 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.

ADVANCED QUANTITATIVE REASONING (AQR) (2018)

Grade 11-12 **Credit: 1.0**

TEA: 03102510

PREREQUISITE: Geometry, Algebra II

Advanced Quantitative Reasoning includes the analysis of information using statistical methods and probability, modeling change and mathematical relationships, and spatial and geometric modeling for mathematical reasoning. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.

PRECALCULUS (2062)

Grade: 11-12 **Credit: 1.0**

TEA: 03101100

PREREQUISITE: Geometry, Algebra I

Precalculus is designed to provide a firm foundation for high-level mathematics courses. Topics in this college-preparatory course include functions and their graphs, conics,

trigonometric identities and equations, vectors, periodic functions, trigonometric and analytic applications, concept of infinity and limit, concepts of reasoning, and logic for use with proofs.

PRE-AP PRECALCULUS (2064)

Grade: 11-12 Credit: 1.0

TEA: 03101100

PREREQUISITE: Geometry, Algebra II

This course provides more in-depth experience in the concepts of Precalculus. Precalculus is designed to provide a firm foundation for high-level mathematics courses. Topics in this college-preparatory course include functions and their graphs, conics, trigonometric identities and equations, vectors, periodic functions, trigonometric and analytic applications, concept of infinity and limit, concepts of reasoning, and logic for use with proofs. The next course is usually Calculus.

ADVANCED PLACEMENT (AP) CALCULUS AB (2099)

Grade: 11-12 Credit: 1.0

TEA: A3100101

PREREQUISITE: Precalculus

This course is designed to form a solid mathematics foundation that students will need as they enter college. In this course, students will study four major areas during the year: limits, derivatives, indefinite integrals, and definite integrals. As students develop the concepts, they will learn how the mechanics go along with the topics. Students are required to take the Advanced Placement exam in May.

ADVANCED PLACEMENT (AP) STATISTICS (2098)

Grade: 11-12 Credit: 1.0

TEA: A3100200

RECOMMENDED: Geometry, Algebra II

The purpose of this course is to introduce students to the major

concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. Students are required to take the Advanced Placement exam in May.

ADVANCED PLACEMENT (AP) COMPUTER SCIENCE A (2122)

See Technology Applications for Computer Science I (7603)

Grade: 11-12 Credit: 1.0

TEA: A3580100

PREREQUISITE: Algebra 2 or co-enrollment in Algebra 2

RECOMMENDED: Computer Science 1

Students will use the Java programming language to solve problems from a variety of different subject areas. Students will also learn basics of computer hardware and software, as well as responsible use of these systems. Due to the extensive use of computers that is required, students will need to have access to a computer outside of regular school hours. Students are required to take the Advanced Placement exam in May.

INDEPENDENT STUDIES IN MATHEMATICS: DUAL CREDIT MATH (2068)

Grade: 11-12 Credit: 1.0

TEA: 03102500

PREREQUISITE: Algebra II; Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

MATH 1314: COLLEGE ALGEBRA

This college-level course provides an in-depth study and application of

polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course receive 3 credit hours per semester from St. Philip's College.

COLLEGE PREP MATH (TSI COURSE) (2090)

Grade: 12 Credit: 1.0

TEA: CP111200

PREREQUISITE: Enrollment based on TSI results.

NOTE: This course does not fulfill state credit requirements for graduation.

This course addresses a variety of mathematical topics needed to prepare students to be successful in college-level mathematics. Students will connect and use multiple strands of mathematics in situations and problems, as well as other disciplines. This is a fourth year course focused on those Math skills necessary to pass the Math placement tests at colleges, technical schools, and area community colleges.

SCIENCE

INTEGRATED PHYSICS AND CHEMISTRY (IPC) (3022)

Grade: 9-10 Credit: 1.0

TEA: 03060201

PREREQUISITE: None

In IPC, students conduct laboratory and field investigations, use scientific method during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the concepts of physics and chemistry using practical applications relating to topics such as: force, motion, energy,

and matter. **NOTE:** This course does not count towards a STEM endorsement.

BIOLOGY (3002)

Grade: 9-12 **Credit: 1.0**

TEA: 03010200

PREREQUISITE: None

This course provides a study of life including origin, structure, reproduction, growth, and development of living organisms. Areas of study will include the structure and functions of cells, microorganisms, and plants; animal observation, measurement, classification, prediction, and reporting skills will be emphasized. Additionally, students will receive instruction in cardiopulmonary resuscitation (CPR) as outlined in Texas Education Code §74.38. Dissections may be a part of the curriculum.

PRE-AP BIOLOGY (3009)

Grade: 9-12 **Credit: 1.0**

TEA: 03010200

PREREQUISITE: None.

This advanced version of Biology I includes all elements of that course. Instruction is at a faster pace, which permits investigation of topics at a greater depth. Six major out-of-class projects will be required. Analysis questions will be included on all tests. Dissections may be a part of the curriculum. Additionally, students will receive instruction in cardiopulmonary resuscitation (CPR) as outlined in Texas Education Code §74.38.

BIOLOGY MODIFIED (3002M)

Grade: 9-12 **Credit: 1.0**

TEA: 03010205

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course provides a study of life including origin, structure, reproduction, growth, and

development of living organisms. Areas of study will include the structure and functions of cells, microorganisms, and plants; animal observation, measurement, classification, prediction, and reporting skills will be emphasized. Dissections may be a part of the curriculum. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals. Additionally, students will receive instruction in cardiopulmonary resuscitation (CPR) as outlined in Texas Education Code §74.38.

BIOLOGY ALTERNATE (3002)

Grade: 9-12 **Credit: 1.0**

TEA: 03010207

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

The Alternate Science course studies science-based concepts related specifically to independent daily living and employment. Attention is given to relating science to home and job practices that foster the understanding of students' roles and responsibilities in the care and operation of both facilities. Activities are "hands-on" experiences with an emphasis on cooperative learning strategies. Additionally, students will receive instruction in cardiopulmonary resuscitation (CPR) as outlined in Texas Education Code §74.38.

EOC ACCELERATED BIOLOGY (0022)

Grade: 10-12 **Credit: 1.0**

TEA: 84800007

PREREQUISITE: Enrollment based on Biology EOC results.

NOTE: Locally developed course – does not fulfill state credit requirements for graduation.

In this course, students will explore the study of life including origin, structure, reproduction, growth, and development of living organisms.

Targeted instruction and intervention will be provided based on student needs.

ADVANCED PLACEMENT (AP)

BIOLOGY (3001)

Grade: 11-12 **Credit: 1.0**

TEA: A3010200

RECOMMENDED: Pre-AP Biology and Pre-AP Chemistry

Advanced Placement (AP) Biology is an introductory college level biology course equivalent to a two-semester college biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes-energy and communication, genetics, information transfer, ecology and interactions. Students are required to take the Advanced Placement exam in May.

SCIENTIFIC RESEARCH AND DESIGN: BIOLOGY FOR NON-SCIENCE MAJORS DUAL CREDIT (3144DC)

Grade: 11 **Credit: 1.0**

TEA: 13037200

PREREQUISITE: One year of high school science; Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings
RECOMMENDED: Biology and Chemistry

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 8 credit hours from St. Philip's College. *Student must take both semesters for to earn 1.0 high school science credit.*

BIOL 1408 & 1409

This college credit course is aimed at students who wish to pursue a non-science major in college. This course covers the fundamental principles of living organisms including physical and chemical properties of life, organization, function, evolutionary

adaptation, and classification. Concepts of reproduction, genetics, ecology, and the scientific method are included. Learning outcomes include the history and philosophy of the science of biology, basic chemistry, cellular structure and function, energetics, genetics, evolution, taxonomy and survey of the kingdoms is covered. Laboratory exercises will complement lecture topics.

CHEMISTRY (3042)

Grade: 10-12 Credit: 1.0

TEA: 03040000

PREREQUISITE: Biology, Algebra I, Geometry or concurrent enrollment in Geometry

This course covers the study of matter in a traditional manner. Topics include the properties of matter, atomic structure, chemical bonding, stoichiometry, and quantum mechanics with an emphasis on high level math. Laboratory procedures, classification and measurement skills, predicting outcomes, and applications of chemistry in daily life will be emphasized. This fulfills one credit of the science requirement for all graduation plans and for college.

PRE-AP CHEMISTRY (3049)

Grade: 10-12 Credit: 1.0

TEA: 03040000

PREREQUISITE: Biology or Pre-AP Biology, Algebra I, Geometry or concurrent enrollment in Geometry or Algebra 2

This preparation course for Chemistry AP includes all the elements of Chemistry I as well as prepares the student for Chemistry AP and/or a rigorous college-level chemistry course. Instruction is at a faster pace, which permits investigation of topics at a greater depth. In addition, major emphasis will be placed on an independent research project, which includes project selection, literature search, experimental design, data collection, data analysis, and

presentation of findings. Guidelines of the Alamo Regional Science and Engineering Fair and the Texas Junior Academy of Science will be followed and the project will be entered in the local science fair.

CHEMISTRY MODIFIED (3042M)

Grade: 9-12 Credit: 1.0

TEA: 03040005

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course covers the study of matter in a traditional manner. Topics include the properties of matter, atomic structure, chemical bonding, stoichiometry, and quantum mechanics with an emphasis on high level math. Laboratory procedures, classification and measurement skills, predicting outcomes, and applications of chemistry in daily life will be emphasized. This fulfills one credit of the science requirement for all graduation plans and for college. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

CHEMISTRY ALTERNATE (3042A)

Grade: 9-12 Credit: 1.0

TEA: 03040007

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

Chemistry Alternate is a course that uses lab and activity-based learning to introduce the observation and understanding of chemical laws, concepts and properties. The course employs an interdisciplinary approach to deepen students' understanding of a variety of topics that include characteristics of matter, the Periodic Table, chemical bonding, gas laws, solution chemistry and thermochemistry. Students will investigate how chemistry is an integral part of our daily lives.

ADVANCED PLACEMENT (AP) CHEMISTRY (3069)

Grade: 11-12 Credit: 1.0

TEA: A3040000

RECOMMENDED: Chemistry, Pre-AP Chemistry, Algebra II or concurrent enrollment in Algebra II.

This course is comparable to a first-year college-level chemistry course. Students use a college text and perform advanced laboratory investigations. The curriculum includes topic such as: kinetics, reaction equilibrium, intermolecular forces, chemical reactions, and more complex laboratory experiences. Students are required to take the Advanced Placement exam in May.

PHYSICS (3072)

Grade: 11-12 Credit: 1.0

TEA: 03050000

PREREQUISITE: Algebra II or concurrent enrollment in Algebra II

This course provides an in-depth investigation of the relationship between matter and energy. Students will perform calculations and laboratory investigations on topics including motion, forces, work, waves, sound, light, and electrical and nuclear energy. The course is math intensive.

PRE-AP PHYSICS (3079)

Grade: 11-12 Credit: 1.0

TEA: 03050000

PREREQUISITE: Algebra II or concurrent enrollment in Algebra II

The advanced version of Physics I includes all the elements of that course. Emphasis will be placed on the formulation of models used to solve problems. In addition, major emphasis will be placed on an independent research project which includes project selection, literature search, experimental design, data collection, data analysis, and presentation of findings. Guidelines of the Alamo Regional Science and Engineering Fair and the Texas Junior

Academy of Science will be followed and the project will be entered in the local science fair.

PHYSICS MODIFIED (3072M)

Grade: 11-12 Credit: 1.0

TEA: 03050005

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course provides an in-depth investigation of the relationship between matter and energy. Students will perform calculations and laboratory investigations on topics including motion, forces, work, waves, sound, light, and electrical and nuclear energy. The course is math intensive. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

PHYSICS ALTERNATE (3072A)

Grade: 11-12 Credit: 1.0

TEA: 03050007

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

Physics Alternate is a course that uses field investigations and activity-based learning in an interdisciplinary approach to deepen students' understanding of a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; characteristics and behavior of waves. Students will investigate how physics is an integral part of our daily lives.

EARTH AND SPACE SCIENCE (ESS) (3004)

Grade: 11-12 Credit: 1.0

TEA: 03060200

PREREQUISITE: Biology, IPC/Chemistry and one advanced Science that can be taken concurrently; Algebra I, Geometry and Math Models/Algebra II that can be taken concurrently.

This course is designed to build students' prior scientific and academic knowledge and skills to develop an understanding of Earth's system in space and time. Students will investigate Earth through each of its spheres and then investigate space in relation to Earth. Topics include Earth's 5 spheres, plate tectonics, the fossil record, natural resources, the solar system, and the universe. Students will be required to complete various projects, class presentations, work individually, and work in teams.

ENVIRONMENTAL SYSTEMS (3023)

Grade: 11-12 Credit: 1.0

TEA: 03020000

PREREQUISITE: Biology, Chemistry/Physics or IPC.

This science course will introduce students to major ecological concepts and environmental problems that affect the world in which they live. The course is designed as a fourth-year science course. Topics include: history of environmental systems, earth systems, resources, population dynamics, ecosystem changes, and ethics. Field trips may require payment of fees. College level text is utilized.

ADVANCED PLACEMENT (AP) ENVIRONMENTAL SCIENCE (3025)

Grade: 11-12 Credit: 1.0

TEA: A3020000

RECOMMENDED: Algebra I, two years of high school laboratory science including one year of life science and one year of physical science.

Advanced Placement (AP) Environmental Science is the equivalent to a college environmental science course. The course covers earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change. Focuses on advanced inquiry-based laboratory investigations to apply scientific principles, concepts,

and methodologies in order to better understand our understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students are required to take the Advanced Placement exam in May.

SCIENTIFIC RESEARCH AND DESIGN: EPIDEMIOLOGY (3143)

Grade: 11-12 Credit: 1.0

TEA: 13037200

PREREQUISITE: One year of high school science

RECOMMENDED: Biology and Chemistry

This course introduces the basic principles and methods of epidemiology, with an emphasis on critical thinking and analytical skills and carries potential applications to clinical practice and research. Topics include active monitoring of public health issues, quantitative study design, outcome measures, data analysis methods, adherence to ethical research guidelines, and methods of intervention. Students will be eligible to compete in the HOSA Emergency Preparedness competition. Students will also be required to research, design, and conduct their own epidemiological study of the population of Seguin High School, analyze their data, draw conclusions, and develop intervention strategies based on their data and population. Final projects will be reviewed by a panel of professionals from the local community. This course meets the requirements for the Original Research and/or Project Advanced Measure Requirement for graduation on the Distinguished Achievement Program.

SCIENCE AND ENGINEERING

The following course is highly recommended for anyone interested in a career in Engineering and for students participating in the STEM Endorsement Sequence.

ENGINEERING DESIGN AND PROBLEM SOLVING (81534)

Grade: 11-12 **Credit: 1.0**

TEA: 13037300

PREREQUISITE: Geometry, Algebra II, Chemistry, and Physics.

The course is designed to build students' prior scientific and academic knowledge and skills to develop an understanding of applied sciences in the field of engineering. Students will use the engineering design process cycle to investigate, design, plan, create and evaluate solutions. The class is designed around the use of the scientific method to investigate open-ended engineering design problems. Students will be required to participate in the design and implementation of a real or simulated engineering project(s). The majority of work is project oriented.

HEALTH SCIENCE

The following courses are highly recommended for anyone interested in a career in health care and for students participating in the Health Science Academy.

ANATOMY AND PHYSIOLOGY (80831)

Grade: 11-12 **Credit: 1.0**

TEA: 13020600

RECOMMENDED: Biology and Chemistry

Anatomy and Physiology is an advanced science course designed to extend the concepts of biology to a study of human anatomy and physiology. The course will be

laboratory oriented. A college-level textbook is used in the course.

MEDICAL MICROBIOLOGY

Grade: 11-12 **Credit: 0.5**

TEA: 13020700

RECOMMENDED: Biology and Chemistry

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

PATHOPHYSIOLOGY

Grade: 11-12 **Credit: 0.5**

TEA: 13020800

RECOMMENDED: Biology and Chemistry

In Pathophysiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in this course study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will also differentiate between normal and abnormal physiology.

SOCIAL STUDIES

WORLD GEOGRAPHY STUDIES (4022)

Grade: 9 **Credit: 1.0**

TEA: 03320100

PREREQUISITE: None

This course is designed to acquaint the student with the physical and cultural geography of the earth and its impact on historical and contemporary events. Students will explore the five major geographic themes, geographic terminology, the physical setting of the earth, and the world's regions and cultures. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information.

PRE-AP WORLD GEOGRAPHY STUDIES (4029)

Grade: 9 **Credit: 1.0**

TEA: 03320100

PREREQUISITE: None

RECOMMENDED: Pre-AP US History Grade 8

Pre-AP World Geography Studies extends the regular World Geography Studies course by including a more in-depth study of physical, cultural, and political geography. Students will analyze information from a variety of primary and secondary sources to draw conclusions as to how geography influences the political, social, and economic structures within each country and region studied.

WORLD GEOGRAPHY STUDIES MODIFIED (4022M)

Grade: 9 **Credit: 1.0**

TEA: 03320105

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course is designed to acquaint the student with the physical and cultural geography of the earth and its impact on historical and contemporary events. Students will explore the five major geographic

themes, geographic terminology, the physical setting of the earth, and the world's regions and cultures. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

WORLD GEOGRAPHY STUDIES ALTERNATE (4022A)

Grade: 9 **Credit: 1.0**

TEA: 03320107

PREREQUISITE: Placement by ARD; Students must have an IEP goal for any special education course.

World Geography Studies Alternate focuses on the relationships among people, places, and environments that result in patterns on the Earth's surface. The course employs an interdisciplinary approach to deepen students' understanding of the world's people and to understand the regions in the world; the Americas; Europe and Eurasia; North Africa and the Middle East; Sub-Saharan Africa; Asia, Australia and Antarctica.

WORLD HISTORY STUDIES (4032)

Grade: 10 **Credit: 1.0**

TEA: 03340400

PREREQUISITE: None

This course provides students an overview of the history of humankind. Traditional historical points of reference in World History are identified as students analyze important events and issues from earliest times to the present using primary and secondary source materials, reading and writing skills, technology, and critical thinking.

ADVANCED PLACEMENT (AP) WORLD HISTORY (4039)

Grade: 10-12 **Credit: 1.0**

TEA: A3370100

PREREQUISITE: None

RECOMMENDED: Pre-AP World Geography

Advanced Placement World History covers the major themes of world history from Ancient Greece to the Twentieth Century, tracing the historical development of human cultures. This is an advanced level course that requires outside reading, writing and research and emphasizes critical thinking skills, SAT vocabulary, and analytical reading. Students are required to take the Advanced Placement exam in May.

WORLD HISTORY STUDIES MODIFIED (4032M)

Grade: 10 **Credit: 1.0**

TEA: 03340405

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course provides students an overview of the history of humankind. Traditional historical points of reference in World History are identified as students analyze important events and issues from earliest times to the present using primary and secondary source materials, reading and writing skills, technology, and critical thinking. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

WORLD HISTORY STUDIES ALTERNATE (4032A)

Grade: 10 **Credit: 1.0**

TEA: 03340407

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

World History Alternate focuses on the development of human society from prehistoric to modern times.

Emphasis is placed on major events, world leaders, economic and political institutions. The course employs an interdisciplinary approach to deepen students' understanding of the world's people, today and in the past.

UNITED STATES HISTORY STUDIES SINCE 1877 (4002)

Grade: 11 **Credit: 1.0**

TEA: 03340100

PREREQUISITE: None

This course traces the emergence and growth of the United States following Reconstruction to the present. Topics include the emergence of the U.S. as a world power, geographical influence on historical events, the economic growth and development of the U.S., social and cultural developments within the country, and the evolution of political processes since the Civil War. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information.

UNITED STATES HISTORY DUAL CREDIT (4190)

Grade: 11-12 **Credit: 1.0**

TEA: 03340100

PREREQUISITE: Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings
Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours per semester from St. Philip's.

HIST 1301

United States History I is a survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. Topics include the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil

War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.

HIST 1302

United States History II is a survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. Topics include industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.

ADVANCED PLACEMENT (AP) UNITED STATES HISTORY (4019)

Grade: 11-12 Credit: 1.0

TEA: A3340100

RECOMMENDED: Advanced Placement (AP) World History
Advanced Placement (AP) U.S. History is a fast-paced history class that covers the following eight historical periods: Revolution and Constitution, the Jacksonian Era, the Civil War and Reconstruction, the Populist and Progressive Movements, World War I, the Great Depression and the New Deal, World War II, and International and Domestic Developments in the post-World War II Era. This is an advanced level course that requires outside reading, writing and research and emphasizes critical thinking skills, SAT vocabulary, and analytical reading. Students are required to take the Advanced Placement exam in May.

UNITED STATES HISTORY STUDIES SINCE 1877 MODIFIED (4002M)

Grade: 11 Credit: 1.0

TEA: 03340105

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course traces the emergence and growth of the United States following Reconstruction to the present. Topics include the emergence of the U.S. as a world power, geographical influence on historical events, the economic growth and development of the U.S., social and cultural developments within the country, and the evolution of political processes since the Civil War. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information. Appropriate modifications are made in curriculum, instruction, and assessment in order to fulfill students' IEP goals.

UNITED STATES HISTORY STUDIES SINCE 1877 ALTERNATE (4002A)

Grade: 11 Credit: 1.0

TEA: 03340107

PREREQUISITE: Placement by ARD; students must have an IEP goal for any special education course.

This course focuses on U.S. history from Reconstruction to the present. Students analyze major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today.

EOC ACCELERATED UNITED STATES HISTORY SINCE 1877 (0028)

Grade: 11-12 Credit: 1.0

PREREQUISITE: Enrollment based on United States History EOC results.

NOTE: Locally developed course – does not fulfill state requirements for graduation.

This course is designed to ensure success on End of Course exam.

Students will work in a learning community to implement highly effective social studies practices and strategies, including reading and analyzing primary and secondary sources. Students will study the major eras of United States History since Reconstruction, focusing on key themes and concepts. Targeted instruction and intervention will be provided based on student needs

UNITED STATES GOVERNMENT (4052)

Grade: 12 Credit: 0.5

TEA: 03330100

PREREQUISITE: None

This course is designed to provide an understanding of the functions of federal, state, and local governments. Major focus is placed on the Constitution and its influence on all governmental levels and the rights and responsibilities of American citizenship.

UNITED STATES GOVERNMENT DUAL CREDIT (4198)

Grade: 12 Credit: 0.5

TEA: 03330100

PREREQUISITE: Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings
Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

GOVT 2305: Federal Government

This college level course focuses on the following aspects of United States government: origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. Students enrolled in this course are dually

enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours per semester from St. Philip's.

ADVANCED PLACEMENT (AP) U. S. GOVERNMENT AND POLITICS (4069)

Grade: 12

Credit: 0.5

TEA: A3330100

RECOMMENDED: United States History Dual Credit or Advanced Placement (AP) United States History

This course offers an analytical perspective on government and politics in the United States, involving the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. political reality. This class requires extensive outside reading, research and writing. Students are required to take the Advanced Placement exam in May.

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS (4072)

Grade: 12

Credit: 0.5

TEA: 03310300

PREREQUISITE: None

This course focuses on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students will use primary and secondary source materials, technology, and critical thinking skills to better understand the free enterprise system and its benefits.

ECONOMICS DUAL CREDIT (4199)

Grade: 12

Credit: 0.5

TEA: 03310300

PREREQUISITE: Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

ECON 2301: Principles of Macroeconomics

This college-level course is a survey of microeconomic and macroeconomic principles for non-business majors. Microeconomic topics will include supply and demand, consumer behavior, price and output decisions by firms under various market structures, factor markets, market failures, international trade, and exchange rates. Macroeconomic topics will include national income, unemployment, inflation, business cycles, aggregate supply and demand, monetary and fiscal policy, and economic growth. Students use the tools and methods of economic analysis, data analysis, and formal research and writing projects. Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours per semester from St. Philip's.

ADVANCED PLACEMENT (AP) MICROECONOMICS (4092)

Grade: 12

Credit: 0.5

TEA: A3310100

RECOMMENDED: Advanced Placement (AP) United States History or United States History Dual Credit

The purpose of this course is to provide a thorough understanding of the principles of economics that apply to the functions of individual decision makers--consumers and producers--within the larger economical system. It places primary emphasis on the nature and function of product markets and includes the study of factor markets and the role of

government in promoting greater efficiency and equity in the economy. This class requires extensive outside reading, research and writing. Students are required to take the Advanced Placement exam in May.

SOCIAL STUDIES ELECTIVES

PSYCHOLOGY (4125)

Grade: 11-12

Credit: 0.5

TEA: 03350100

PREREQUISITE: None

In this course, students will learn the basic terms, methods, and applications of psychology. They will have opportunities to study the historical development of the field of psychology; consider the development of the individual and personality; and to study various topics including emotion, motivation, learning and dysfunctional behavior.

ADVANCED PLACEMENT (AP) PSYCHOLOGY (4126)

Grade: 11-12

Credit: 1.0

TEA: A3350100

RECOMMENDED: Previously taken Advanced Placement (AP) Social Studies course OR Social Studies Dual Credit course

In this course, students will survey and develop an understanding of the major topics of psychology. Topics to be studied will include: learning, thinking, motivation, emotion, personality, the senses, perception, and the form and functions of the nervous system. This class requires extensive outside reading, research and writing. Students are required to take the Advanced Placement exam in May.

PSYCHOLOGY DUAL CREDIT (4128DC)

Grade: 11

Credit: 0.5

TEA: 03350100

PREREQUISITE: Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

Psychology 2301

This college credit elective course provides a survey of major topics in psychology and introduces the study of behavior and the factors that determine and affect behavior and mental processes. Students will identify various research methods and their characteristics used in the scientific study of psychology along with the historical influences and early schools of thought that shaped the field of psychology. Students will also identify terminology unique to the study of psychology and understand accepted approaches and standards in psychological assessment and evaluation as well as identify factors in physiological and psychological processes involved in human behavior.

SOCIOLOGY (4124)

Grade: 11-12 **Credit: 0.5**
TEA: 03370100

PREREQUISITE: None

This elective course is designed to provide an introduction to the structure, attitudes, and behavior of social groups and institutions. Emphasis is placed on contemporary social problems and their effects on people and cultures. Using case studies, current events, research, and primary documents, students will study components of culture, history of sociology, research methods, social structure, stratification, the socializing process, deviant social control, and social movements.

SOCIOLOGY DUAL CREDIT (4127DC)

Grade: 11 **Credit: 0.5**

TEA:03370100

PREREQUISITE: Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

Sociology 1301

This college credit elective course provides an introduction to the concepts and principles used in the study of group life, social institutions, and social processes. Students will be able to demonstrate an understanding of basic theoretical perspectives of sociology, various methodological approaches to the collection and analysis of data in sociology, and demonstrate understanding of the complex links between individual experiences and broader institutional forces.

PERSONAL FINANCIAL LITERACY (4123)

Grade: 10-12 **Credit: 0.5**

TEA: Pending

PREREQUISITE: None

This elective course is designed to 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 course is designed to be an interactive and research-based course and includes instruction in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education (FAFSA).

PHYSICAL EDUCATION, ATHLETICS, AND SPORTS MEDICINE

The physical education curriculum operates under specific state and local guidelines. Each student is required to complete one (1.0) credit of physical education. However, other courses may be substituted for this requirement. Courses that are substituted for physical education may NOT also be counted to meet other graduation requirements.

Physical Education Substitutions

Physical Education substitutions allow a student to use approved physical activities to meet the state physical education graduation requirement. No more than 4.0 PE substitution credits may be earned through any combination of allowable substitutions for state credit. Students may earn additional elective credits through Physical Education based on their graduation plan.

Activity Based Courses for Physical Education Substitutions

A student taking Cheerleading, Marching Band, Drill Team, or JROTC may earn 1.0 state PE credit. Additional local 0.5 credits may be earned (local credit does not count towards state graduation requirement).

GENERAL PHYSICAL EDUCATION COURSES

IMPORTANT:

- One (1.0) credit of physical education is required to meet State graduation requirements.
- General Physical Education courses must only be taken once.
- Additional PE credits may be taken for state elective credit. A maximum of 4 PE credits may be

earned through any combination of general PE or PE substitutions

- Students may be enrolled in one Physical Education course per semester. (ROTC is the exception).
- All students must be assessed on their physical fitness based on their Physical Education Classification using the FITNESSGRAM Assessment.

FOUNDATIONS OF PERSONAL FITNESS/SKATING (5001)

GRADE: 9-12 **Credit: 0.5**

TEA: PES00052

PREREQUISITE: None

This course is designed to motivate students to strive for lifetime personal fitness with an emphasis on health and wellness. Students improve their fitness within the class and learn the process of becoming fit and staying fit. This class will specifically focus on the sport of skating as a life-long form of physical activity.

FOUNDATIONS OF PERSONAL FITNESS/CROSS-TRAINING (5003)

GRADE: 9-12 **Credit: 0.5**

TEA: PES00052

PREREQUISITE: None

This course is designed to motivate students to strive for lifetime personal fitness with an emphasis on health and wellness. Students improve their fitness within the class and learn the process of becoming fit and staying fit. This class will specifically focus on Cross-Training and weights as a life-long form of physical activity. Students will have the opportunity to experience workouts using various equipment such as Swiss Balls, resistance bands, free weights, medicine balls, and jump ropes during the semester.

INDIVIDUAL SPORTS (5006)

GRADE: 9-12 **Credit: 0.5**

TEA: PES00055

PREREQUISITE: None

Students enrolled in the Individual Sports course will improve their health and fitness while developing competency in Bowling, Table Tennis, Badminton, Disc Golf, and other activities as available. Individual Sports focuses on incorporating wellness into an active lifestyle beyond high school.

TEAM SPORTS (5005)

GRADE: 9-12 **Credit: 0.5**

TEA: PES00055

PREREQUISITE: None

Students enrolled in the Team Sports course will improve their health and fitness while developing competency in and an appreciation for teamwork and fair play through basketball, flag football, soccer, softball and volleyball. Team Sports focuses on incorporating wellness into an active lifestyle beyond high school.

AEROBIC ACTIVITIES (5105)

GRADE: 9-12 **Credit: 0.5**

TEA: PES00054

PREREQUISITE: None

Students in the Aerobic Activities course are exposed to a wide variety of activities including circuit training, Pilates, resistance training, basic yoga, and walk/jog activities to promote health and fitness.

ADVENTURE/OUTDOOR EDUCATION (5114)

GRADE: 10-12 **Credit: 0.5**

TEA: PES00053

PREREQUISITE: None

This course provides an introduction to a variety of lifetime outdoor activities including canoeing, camping, backpacking, firearm safety, rappelling, bicycling, archery, ropes course, rock climbing, and outdoor cooking. **Parent permission is required to participate in this course.**

ATHLETICS

Seguin High School offers a variety of competitive sports for both girls and boys. Athletic activities are operated under guidelines of the University Interscholastic League. Participation requires approval of the head coach of the respective sports, parent permission, a physical examination by a licensed physician, and maintenance of a satisfactory academic record. TEA: 9th grade - PES00000, 10th grade - PES00001, 11th grade - PES00002, 12th grade - PES00003

FRESHMAN FOOTBALL (5202)

Grade: 9

FRESHMAN VOLLEYBALL (5203)

Grade: 9

FRESHMAN SOFTBALL (5219)

Grade: 9

FRESHMAN BOYS BASKETBALL (5204)

Grade: 9

FRESHMAN GIRLS BASKETBALL (5205)

Grade: 9

TENNIS (5226, 5236, 5286, 5296)

Grade: 9-12

SWIMMING

Grade: 9-12

Note: This course meets outside regular school hours.

CROSS COUNTRY (5213, 5253, 5263, 5273)

Grade: 9-12

Note: Fall Semester Only

GOLF (5214, 5254, 5264, 5274)

Grade: 9-12

BOYS SOCCER (5215, 5255, 5265, 5275)

Grade: 9-12

GIRLS SOCCER (5216, 5256, 5266, 5276)

Grade: 9-12

BASEBALL (5212, 5252, 5262, 5272)
Grade: 9-12

SOFTBALL (5210, 5220, 5230, 5250)
Grade: 10-12

FOOTBALL (5222, 5227, 5242, 5292)
Grade: 9-12

VOLLEYBALL (5223, 5233, 5243, 5293)
Grade: 9-12

BOYS BASKETBALL (5224, 5234, 5244, 5294)
Grade: 9-12

GIRLS BASKETBALL (5225, 5235, 5245, 5295)
Grade: 9-12

BOYS TRACK (5217, 5257, 5267, 5277)
Grade: 9-12

GIRLS TRACK (5218, 5258, 5268, 5278)
Grade: 9-12

SPORTS MEDICINE 1 (5246)

Grade: 10-12 **Credit: 1.0**
TEA: N1150040

RECOMMENDED: 1 semester of Medical Terminology and 1 semester of Principles of Health Science
This course is an introduction to athletic training. It includes the basics of athletic training procedures, first aid and CPR.

Prior approval is needed by the Athletic Trainer to be in this course.
Note: This course does not count as the PE graduation requirement.

SPORTS MEDICINE 2 (5247)

Grade: 10-12 **Credit: 1.0**
TEA: N1150041

PREREQUISITE: Sports Medicine 1
This course is an in-depth study and application of the components of athletic training. It includes hands-on practice, time working with the sports team and after school practice time.

Prior approval is needed by the Athletic Trainer to be in this course.
Note: This course does not count as the PE graduation requirement.

SPORTS MEDICINE 3 (5248)

Grade: 11-12 **Credit: 1.0**
TEA: N1150044

PREREQUISITE: Sports Medicine 2
This course includes clinical rotation with advanced hands-on experience in preparation for university athletic training or medical field programs. Prior approval is needed by the Athletic Trainer to be in this course.
Note: This course does not count as the PE/Health graduation requirement.

FRESHMAN CHEERLEADERS (5306)

Grade: 9 **Credit: 1.0**
TEA: PES00013

PREREQUISITE: Freshman
Cheerleaders are selected by a panel of judges. Parent permission and fees of approximately \$600 are required. Freshman cheerleaders perform at freshman sporting events and represent SHS in competition.
Note: Per state guidelines, students are NOT allowed to take both cheerleading and athletics in the same semester. See your coach, sponsor, and counselor for details.

JUNIOR VARSITY CHEERLEADERS (5305)

Grade: 10-11 **Credit: 1.0**
TEA: PES00013

PREREQUISITE: Junior Varsity
Cheerleaders are selected by a panel of judges. Parent permission and fees of approximately \$600 are required. Cheerleaders perform at most sporting events and represent SHS in competition with other 5A schools.
Note: Per state guidelines, students are NOT allowed to take both cheerleading and athletics in the same semester. See your coach, sponsor, and counselor for details.

VARSITY CHEERLEADERS (5304)

Grade: 11-12 **Credit: 0.5**
TEA: PES00013

PREREQUISITE: Varsity Cheerleaders are selected by a panel of judges.
Parent permission and fees of approximately \$600 are required. Cheerleaders perform at most sporting events and represent SHS in competition with other 5A schools.
Note: Per state guidelines, students are NOT allowed to take both cheerleading and athletics in the same semester. See your coach, sponsor, and counselor for details.

NAVAL JUNIOR ROTC (NJROTC)

NJROTC classes consist of two academic days, two leadership lab days, and one physical training day per week. Uniforms are provided and must be worn once a week. Academic classes include Leadership, Customs & Courtesies, Oceanography, History, Navigation, Meteorology, Military & International Law, and Astronomy. Leadership labs provide practical application and development of leadership skills. The physical training targets upper body and cardiovascular development. At-school instruction is supplemented by ship training visits and field trips to various Naval activities. Extracurricular teams compete at local and regional (out of state) drill meets.

NAVAL SCIENCE 1 (5401)

Grade: 9 & New **Credit: 1.0**
TEA: PES00004

PREREQUISITE: None
This course introduces students to the responsibilities of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. The course is designed to develop an appreciation for American heritage and traditions, with recognition of the historically significant role that sea

power plays in determining America's future. Topics are presented at a fundamental level.

NAVAL SCIENCE 2 (5402)

Grade: 10 or 2nd year Credit: 1.0

TEA: 03160200

PREREQUISITE: One-year in JROTC or Naval Science 1.

This course addresses the same topics that were introduced in Naval Science I, with greater emphasis on practical application of leadership and management theory. Technical subjects are covered in greater detail and working models of concepts introduced in NSI are applied to practical situations.

NAVAL SCIENCE 3 (5403)

Grade: 11 or 3rd year Credit: 1.0

TEA: 03160300

PREREQUISITE: Two years in JROTC or Naval Science 2.

This course is a continuation of applied leadership concepts and more in-depth investigation of technical subjects. Leadership skills will be exercised on a daily basis. Cadets will begin to assume responsibility for the organization and operations of the Corps of Cadets.

NAVAL SCIENCE 4 (5404)

Grade: 12 or 4th year Credit: 1.0

TEA: 03160400

PREREQUISITE: Two years in JROTC and permission from Senior Naval Science Instructor or Naval Science 3.

This course provides practical experience in planning, organizing, and executing theories of group dynamics as leaders of the SHS Corps of Cadets. Classroom training and research projects are designed to complement and reinforce the application of leadership theories and techniques learned in previous NJROTC courses.

ROTC DRILL AND CEREMONIES (5405)

Grade: 9-12

Credit: 1.0

TEA: PES00004

PREREQUISITE: Enrollment in Naval Science 1, 2, 3, or 4 and membership on an NJROTC varsity competitive team.

This class is designed to provide team members the opportunity to conduct advanced training in preparation for regional and national competitions. Academic topics include technical specifications of equipment used for competition, command relationships, and Naval Science topics covered during competitive events.

LANGUAGES OTHER THAN ENGLISH

FRENCH 1 (1502)

Grade: 9-12

Credit: 1.0

TEA: 03410100

PREREQUISITE: None

This is an introductory course to French culture and language, with emphasis on developing the four basic international language skills of listening, speaking, reading, and writing in French. Students will learn the basic structure of the written and spoken language and be introduced to the cultures of the French-speaking countries.

FRENCH 2 (1512)

Grade: 9-12

Credit: 1.0

TEA: 03410200

PREREQUISITE: French 1 or passing score on district administered Credit-by-Exam

In this course, the students will further develop an appreciation of French culture and continue to refine their French speaking skills. Additional emphasis will be placed on reading and writing skills and more advanced grammar.

FRENCH 3 (1519)

Grade: 9-12

Credit: 1.0

TEA: 03410300

PREREQUISITE: French 2 or passing score on district administered Credit-by-Exam

This is an enriched course with emphasis on advanced vocabulary, grammar, and literature, in addition to the reading, writing, listening, and speaking. A strong foundation is laid in grammar, and the students continue to learn more about the culture of the French-speaking world.

FRENCH 4 (1520)

Grade: 9 -12

Credit: 1.0

TEA: 03410400

PREREQUISITE: French 3 or passing score on district administered Credit-by-Exam

This course is a continuation of French 3 with emphasis on student performance/production in the target language and with greater emphasis on literature. Oral proficiency will be emphasized.

SPANISH 1 (1562)

Grade: 9-12

Credit: 1.0

TEA: 03440100

PREREQUISITE: None

This course covers the skills of listening, speaking, reading, and writing in Spanish. Emphasis is on understanding common expression, greetings, questions, commands, and simple conversation. The ability to give an appropriate oral response and participate in elementary conversation is stressed. Culture and language learning techniques are also an integral part of the course.

SPANISH 2 (1573)

Grade: 9-12

Credit: 1.0

TEA: 03440200

PREREQUISITE: Spanish 1 or passing score on district administered Credit-by-Exam

A study of the grammatical construction of the language is

continued by an extensive review of concepts learned in Spanish I. The focus is on oral reading, reading comprehension, expanding vocabulary and writing brief compositions. The ability to give an appropriate oral response and participate in simple conversation is stressed. Culture and language learning techniques are also an integral part of the course.

PRE-AP SPANISH 2 (1574)

Grade: 9-12 **Credit: 1.0**

TEA: 03440200

PREREQUISITE: Spanish 1 or passing score on district administered Credit-by-Exam

Spanish 2 curriculum presented with an intense approach in vocabulary (enrichment) and faster pace in grammar. Opportunity for advanced preparation in writing skills and higher level reading comprehension activities would be implemented. The intention is to accommodate the students' fluency skills in a setting of higher order thinking. Instruction would be conducted fully in Spanish to increase and sharpen listening, oral, comprehension, expression, interpretation as well as writing skills.

SPANISH 3 (1579)

Grade: 9-12 **Credit: 1.0**

TEA: 03440300

PREREQUISITE: Spanish 2 or passing score on district administered Credit-by-Exam

A study of the grammatical construction of the language is continued by an extensive review of concepts learned in Spanish 2. This course is primarily conducted in Spanish with a focus on language learning techniques and expanding vocabulary through listening and speaking activities. Reading comprehension and writing composition is increased through short stories, and current events.

SPANISH 3 FOR SPANISH SPEAKERS (1594)

Grade: 9-12 **Credit: 1.0**

TEA: 03440330

PREREQUISITE: Spanish 2 or passing score on district administered Credit-by-Exam

This course is intended for students who demonstrate a higher proficiency level in the language or have Spanish dominance. Students will work to perfect reading and writing skills, expand their vocabulary, and develop their interpretive skills through a short selective overview of Spanish literature. Cultural awareness, history and current events related to Latin American countries will play an integral part. In the Spring semester, students will take the Spanish 4 Credit by examination and may earn Spanish 4 credit with a score of 80 or above.

SPANISH 4 (1599)

Grade: 9-12 **Credit: 1.0**

TEA: 03440400

PREREQUISITE: Spanish 3 or passing score on district administered Credit-by-Exam

This course is intended for students who are English dominant speakers with a high ability to function in the foreign language. Spanish will be used for active communication. Students will work to increase conversational skills, to socially integrate in the community, and the job force area, and to connect to real world events. Cultural awareness, history and current events related to Latin American countries will play an integral part.

ADVANCED PLACEMENT (AP)

SPANISH LANGUAGE LEVEL 4 (1598)

Grade: 9-12 **Credit: 1.0**

TEA: A3440100

RECOMMENDED: Three credits in Spanish

This course is intended for students who use Spanish for active communication. Students enrolled in

this course must have completed three credits in the language and wish to develop their proficiency in all four language skills: aural/oral, reading comprehension, advanced grammar structure and composition. Emphasis will be placed on a selection of Latin American writers and extensive reading and writing will be the primary focus. Students are required to take the Advanced Placement exam in May.

FINE ARTS

Visual Arts

ART 1 (7102)

Grade: 9-12 **Credit: 1.0**

TEA: 03500100

PREREQUISITE: None

Art I is the foundation level for art study throughout high school. The course emphasizes the elements of art and principles of design, color theory, vocabulary, art criticism, art history, and safety in the art room with a strong foundation in design, drawing and vocabulary. This course fulfills the prerequisite for all Art 2 courses.

ART 1, ART APPRECIATION DUAL CREDIT (0513DC)

Grade: 10 **Credit: 1.0**

TEA: 03500110

Note: This is a semester course

PREREQUISITE: Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings
Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

ARTS 1301: Art Appreciation

This course presents an introduction to the exploration of purposes and processes in the visual arts, including

evaluation of selected works. Included is the study of art history, including major artists and works. Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

ART 2 DRAWING (7122)

Grade: 10-12 Credit: 1.0

TEA: 03500500

PREREQUISITE: Art 1

Student will express ideas through original art works using a variety of drawing media. They will be able to apply design skills using practical applications. The students will study historical periods as well as critique art work.

ART 2 SCULPTURE (7124)

Grade: 10-12 Credit: 1.0

TEA: 03501000

PREREQUISITE: Art 1

Student will further development skills that were introduced in Art I in relation to 3D media. Students will explore additive and subtractive processes using a variety of techniques and materials such as wire, plaster, clay, wood, and other media. Art appreciation is an integral part of this course.

ART 2 CERAMICS (7125)

Grade: 10-12 Credit: 1.0

TEA: 03500900

PREREQUISITE: Art 1

Student will focus on planning, design, and clay construction techniques and procedures. Students will be able to apply design skills in creating both functional and mal-functional pieces.

ART 3 DRAWING (7152)

Grade: 11-12 Credit: 1.0

TEA: 03501300

PREREQUISITE: Art 2 Drawing

This course explores a variety of techniques and visual solutions dealing with drawing issues. Students will gain expertise in the handling of various drawing media as well as develop a mature sense of visual communication. The class is intended for those who wish to enter the AP program and pursue artistic course work in college.

ART 3 SCULPTURE (7154)

Grade: 11-12 Credit: 1.0

TEA: 03501900

PREREQUISITE: Sculpture 2

Students entering Sculpture 3 will advance and improve three-dimensional conceptual and building skills. Students will be expected to work independently while maturing under different and challenging project assignments. Plaster, clay, wood, and other materials will be used in the class. This class is intended for those who wish to enter the AP Studio Art class.

ART 4 DRAWING (7182)

Grade: 12 Credit: 1.0

TEA: 03502300

PREREQUISITE: Art 3 Drawing

Students in Art 4 Drawing operate on a contract basis in which they select the projects they wish to pursue each six weeks period. Strong emphasis is placed on the student's creativity and ability to choose projects that challenge the student's talent.

ART 4 SCULPTURE (7184)

Grade: 12 Credit: 1.0

TEA: 03502800

PREREQUISITE: Sculpture 3

Students in Art IV Sculpture operate on a contract basis in which they select the projects they wish to pursue each six weeks period. Strong emphasis is placed on the student's

creativity and ability to choose projects that challenge the student's talent

ADVANCED PLACEMENT (AP) ART HISTORY (7199)

Grade 10-12 Credit: 1.0

TEA: A3500100

PREREQUISITE: None

Art History AP will enable the high school student to enter college with a heightened appreciation for history and its art. The chief goal of this course is to increase understanding of key examples of architecture, sculpture, and paintings as historical documents. Students will develop skills necessary for recognizing and critically evaluating and comparing major art works. Students are required to take the Advanced Placement exam in May.

ADVANCED PLACEMENT (AP) STUDIO ART: DRAWING (7189)

Grade 11-12 Credit: 1.0

TEA: A3500300

RECOMMENDED: Art 2

Studio Art AP Drawing will enable the high school student to earn college credit through the submission of a portfolio of 24 pieces of artwork to the AP Board. Students can choose any approach to drawing issues, which include traditional drawing materials, painting, printmaking and mixed media. Students are required to submit an Advanced Placement portfolio in May.

ADVANCED PLACEMENT (AP) STUDIO ART: 2-D DESIGN (7186)

Grade 11-12 Credit: 1.0

TEA: A3500400

RECOMMENDED: Art 2

Studio Art AP 2-D Design will enable the high school student to earn college credit through the submission of a portfolio of 24 pieces of artwork to the AP Board. Students can use any 2-d media such as graphic design, digital imaging, photography, collage,

fabric design, weaving, fashion design, painting and printmaking. Students are required to submit an Advanced Placement portfolio in May.

ADVANCED PLACEMENT (AP) STUDIO ART: 3-D DESIGN (7187)

Grade 11-12 Credit: 1.0

TEA: A350050

RECOMMENDED: Art 2

Studio Art AP 3-D Design will enable the high school student to earn college credit through the submission of a portfolio of 20 pieces of artwork to the AP Board. Students can use any 3-d approach such as figurative or non-figurative sculpture, architectural models, metal work, ceramics, glasswork, installation, assemblage and 3-d fabric/ fiber arts. Students are required to submit an Advanced Placement portfolio in May.

Theatre Arts

THEATRE ARTS 1 (7203)

Grade: 9-12 Credit 1.0

TEA: 03250100

PREREQUISITE: None

This elective course is an introduction to theatre that requires the expressive use of body and voice in interpreting and performing dramatic literature. Concepts and skills in areas of acting and theatre history will be emphasized. Specific topics include pantomime, stage movement, improvisation, monologue and duet acting performance, and evaluation of theatrical experiences. **Note: Performance of scenes and monologues is the main focus of this course as well as performance in a one-act play.**

ADVANCED THEATRE ARTS 2 (7204)

Grade 10-12 Credit: 1.0

TEA: 03250200

PREREQUISITE: Theatre Arts 1

This Performance course further refines concepts and skills of acting.

An integral part of this course is the performance of scenes and plays with costumes, make-up and scenery.

ADVANCED THEATRE ARTS 3 & 4 (7205, 7206)

Grade: 11-12 Credit 1.0

TEA: 03250300, 03250400

PREREQUISITE: Audition and Theatre Arts 2

This performance course allows the actor to refine concepts and skills through public performance. **Note: Participation in at least one after-school performance per semester is required.**

ACTING STYLES – IMPROVISATION AND MONOLOGUE STUDY (7211)

Grade: 10-12 Credit: 1.0

TEA: N1170126

PREREQUISITE: Audition and Theatre Arts 1

In this performance-based class students study the basic elements of improvisational acting and improvisational theatre. Students study ways of preparing modern and classical monologues. The course challenges students to use a process of character development and expand their creative processes. Students use appropriate stage diction and projection in all spaces with a wide range of characters. The create characters physically and use physical action.

MUSICAL THEATRE 1-3 (7212, 7213, 7214)

Grade: 10-12 Credit: 1.0

TEA: 03251900, 03252000, 03252100

PREREQUISITE: Audition and Theatre Arts 1

This performance course is designed for 10-12 grade students interested in musical theatre. This class will develop each student's acting, dance, and vocal technique through the rehearsal and performance of musical theatre selections. Students will also gain directing experience as they

choreograph and direct fellow students in their performance pieces. Students will perform for the public.

TECHNICAL THEATRE 1 (7207)

Grade 10-12 Credit: 1.0

TEA: 03250500

PREREQUISITE: Audition and Theatre Arts 1

Technical Theatre I is an activities-centered course combining theories of theatre safety, design, research and stage craft with the construction of technical elements of theater including make-up, costumes, props, lighting and sound.

ADVANCED TECHNICAL THEATRE 2 - 4 (7208, 7209, 7210)

Grade: 10-12 Credit: 1.0

TEA: 03250600, 03251100, 03251200

PREREQUISITE: Audition and Technical Theatre 1

This course builds on the stage craft skills and concepts developed in Technical Theatre I. Skills in designing sets will be stressed and applied for use in the three school productions. Recognition of career opportunities in theatre will be stressed. Working at least on after-school production per semester is required.

THEATRE PRODUCTION 1 - 3 (7215, 7216, 7217)

Grade: 10-12 Credit 1.0

TEA: 03250700, 03250800, 03250900

PREREQUISITE: Audition

Theatre Production 1-3 provides practical hands-on experiences in acting and stage craft through the preparation and public performance of plays. **Required: Students must be in the company for each after-school production (3 a year). Students are required to submit portfolios in conjunction with school productions.**

Dance

DANCE 1 (7007)

Grade: 9-12 Credit: 1.0

TEA: 03830100

PREREQUISITE: None

This is an introduction to the terminology and general principles of dance. Students learn how to perform beginning and intermediate movements in a variety of dance styles. They will also study choreography and develop artistic judgment as well as self-discipline. Students will learn basic dance and kick movements, stretching techniques, and participate in individual and group routines and projects. There will be at least one required performance during the course. Dance class uniform is required.

DANCE TEAM TRAINING (DANCE 1) (7009)

Grade: 9-11 Credit: 1.0

TEA: 03830100

PREREQUISITE: None

Dance team training class is specifically designed to prepare students for auditions for Dance Team. Class will focus on flexibility, high kick and basic dance technique required for dance team auditions. Approximate fee of \$10 will be required for basic dance wear. This is an activity-based course that counts as a Physical Education substitution in the fall semester. Students will perform in the spring semester during the Starstepper Spring Showcase.

DANCE TEAM (DANCE 1 – 4) (5112, 5307, 5308, 5309)

Grade: 9-12 Credit: 1.0

TEA: 03830100, 03830200, 03830300, 03830400

PREREQUISITE: Audition

COURSE FEE: \$250 - \$500

The Dance Team performs at selected school functions and represents SHS in competition with other 5A schools.

Members are selected by audition before a panel of judges. Parent permission and fees are required. This is an activity-based course that counts as a Physical Education substitution in the fall semester.

Choral Music

MATADOR CHOIR 1 - 4 (7303, 7304, 7305, 7306)

Grade: 9-12 Credit: 1.0

TEA: 03150900, 03151000, 01351100, 01351200 (Music I – IV)

PREREQUISITE: Audition and Interview

This is the auditioned Varsity mixed choir class that will be chosen according to vocal and music reading abilities. This group will be required to participate in concerts and UIL activities such as Concert & Sight-reading Contest, Solo and Ensemble Contest, and All-Region Choir auditions.

NON VARSITY CHOIR 1 – 4 (7381, 7382, 7385, 7384)

Grade: 9-12 Credit: 1.0

TEA: 03150900, 03151000, 01351100, 01351200 (Music I – IV)

PREREQUISITE: Audition and Interview

This is a mixed choir for newer singers who wish to continue working on their vocal and sight-reading skills. This group will be required to participate in concerts and some UIL activities, such as Concert & Sight-reading and Solo & Ensemble.

WOMEN'S CHOIR 1-4 (7307, 7308, 7309, 7335)

Grade: 9-12 Credit: 1.0

TEA: 03150900, 03151000, 01351100, 01351200 (Music I – IV)

PREREQUISITE: Audition and Interview recommendation from middle-school teacher

This is an auditioned choir for Freshmen Women that will be chosen according to vocal and sight-reading abilities. This group will be required to

participate in concerts and UIL activities such as Concert & Sight-reading, Solo & Ensemble, and Region Treble Choir auditions.

ADVANCED PLACEMENT (AP) MUSIC THEORY (7301)

Grade: 10-12 Credit: 1.0

TEA: A3150200

PREREQUISITE: Prior music experience and Interview

This course is an advanced theory class. Students are required to take the Advanced Placement exam in May.

MUSIC THEORY 1 DUAL CREDIT (7319DC)

Grade: 9-10 Credit: 1.0

TEA: 03155400

Note: This is a semester course.

PREREQUISITE: Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings
Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

MUSI 1306: Music Theory

Understanding music through the study of cultural periods, major composers, and musical elements. This course is supported with audio recordings and live performances. Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

MUSIC COMPOSITION 1 & 2 (7224, 7225)

Grade: 9-12 Credit: 1.0

TEA Code: N1170135, N1170136

PREREQUISITE: None

This class explores the creative process of writing music by

developing basic tools that composers use to construct music. The students will create, perform, critique, discuss and revise their own and others' work in a supportive, constructive environment.

Instrumental Music

WIND ENSEMBLE 1 - 4 (7341, 7342, 7343, 7344)

Grade: 9-12 Credit: 1.0
TEA: 03150100, 03150200, 01350300, 01350400

PREREQUISITE: Audition

The Wind Ensemble is the most advanced level of band at Seguin High School. The class consists primarily of upperclassmen. Advanced fundamentals and advanced levels of high school music are the focus of the class. Students are placed in this band through audition and director recommendation. Activities include marching band, parades, concert, solos and ensemble, region band, marching and concert contests, community performances, and music theatre productions. This is an activity-based course that counts as a Physical Education substitution in the fall semester.

WIND SYMPHONY 1 - 4 (7331, 7332, 7333, 7334)

Grade: 9-12 Credit: 1.0
TEA: 03150100, 03150200, 01350300, 01350400

PREREQUISITE: Audition

The Wind Symphony is the second most advanced level of band at Seguin High School. The class consists of students from all grade levels and focuses on advanced fundamentals and a wide variety of music. Students are placed in this band through audition and director recommendation. Activities include marching band, parades, concert, solos and ensemble, region band, marching and concert contests, and

community performances. This is an activity-based course that counts as a Physical Education substitution in the fall semester.

SYMPHONIC BAND 1 – 4 (7312, 7322, 7323, 7324)

Grade: 9-12 Credit: 1.0
TEA: 03150100, 03150200, 01350300, 01350400

PREREQUISITE: Audition

The Wind Ensemble is the entry level of band at Seguin High School. The class consists of students from all grade levels and focuses on fundamental skills and a variety of music. Students are placed in this band through audition and/or director recommendation. Activities include marching band, parades, concert, solos and ensemble, region band, marching and concert contests, and community performances. This is an activity-based course that counts as a Physical Education substitution in the fall semester.

INSTRUMENTAL ENSEMBLE 1 – 4 (7311, 7325, 7313, 7326)

Grade: 9-12 Credit: 1.0
TEA: 03151700, 03151800, 03151900, 03152000

PREREQUISITE: Audition, Concurrent enrollment in a performance band class

The Instrumental Ensemble course is designed for more in-depth study of instrumental music performance. The course offers individualized and differentiated instruction to students seeking extra music instruction beyond the band class. The course utilizes instrumental method books, band class selections, TMEA All-State Band audition music, and UIL Solo and Ensemble repertoire as the basis for individualized instruction.

PERCUSSION 1 - 4 (7351, 7352, 7353, 7354)

Grade: 9-12 Credit: 1.0
TEA: 03150100, 03150200, 01350300, 01350400

PREREQUISITE: Audition

All band students who play percussion must enroll in this class. Fundamental skills and a wide variety of music are the focus of this class. Activities include marching band, parades, concert, solos and ensemble, region band, marching and concert contests, percussion ensemble, and community performances.

COLOR GUARD 1 - 4 (7405, 7406, 7407, 7408)

Grade: 9-12 Credit: 1.0
TEA: 03833300, 03833400, 03833500, 03833600

PREREQUISITE: Audition

This class is designed for all students who are members of the Seguin High School Color Guard. Anyone who does not play an instrument but is a member of the guard must be enrolled in the class. Students are placed in the guard through audition held in the spring. The SHS Color Guard is an integral part of the Seguin High School Matador Band, and is an expression of music through dance and guard equipment (flags, rifles, sabers). The guard continues in the spring semester as a competitive unit called Winter Guard, allowing the students to develop their skills throughout the spring semester. Dance skills are taught from a basic level to advanced skills focusing on modern dance and ballet. Attendance at all marching band and Winter Guard performances is required. This is an activity-based course that counts as a Physical Education substitution in the fall semester.

MARIACHI BAND 1 – 4 (7420, 7421, 7422, 7423)

Grade: 9-12 Credit: 1.0

**TEA: 03153800, 03153900,
03154000, 03154100**

PREREQUISITE: Audition for director

This course is designed for those interested in continued study of learning and playing the folk music of Mexico. Students will study mariachi music through instrumental and vocal performance. Students who are instrumentalists must provide an instrument (guitar or violin) for refining instrumental performance skills. This is not a beginner mariachi class and previous experience is required.

TECHNOLOGY APPLICATIONS

COMPUTER SCIENCE 1 (7603)

Grade: 9-12 Credit: 1.0

TEA: 03580200

PREREQUISITE: Algebra 1

Computer Science I is an introductory course in the concepts and skills of computer science and computer programming. Students will use problem-solving strategies to design solutions to stated problems, break down the solutions into tasks, write programming code to perform the tasks, and test and debug the created code. Students will also explore computer hardware and computer ethics, including current laws and regulations and responsible digital citizenships.

COMPUTER SCIENCE 2 (2152)

Grade: 9-12 Credit: 1.0

TEA: 03580300

PREREQUISITE: Algebra 1, Computer Science 1

Computer Science 2 is an intermediate course in the concepts and skills of computer science and computer programming. Students will extend the skills and concepts from

Computer Science I to larger and more complex problems, with greater emphasis on inheritance, visual interfaces, and black-box design.

ADDITIONAL COURSES

STUDENT AIDE

FIRST SEMESTER (0652)

SECOND SEMESTER (0654)

Grade: 12 Credit: 0.5

TEA: 85000999

PREREQUISITE: Counselor and/or administrator approval is required.

Students with passing grades and/or excess credits for graduation who have no disciplinary infractions may apply to serve as a student aide in the school office, attendance office, or library. This course provides life experiences as students learn to be prompt, dependable and efficient. Students will receive training in communication skills, time management, and organizational skills. **Local credit is awarded and student aide grades are not averaged into GPA or class ranking.**

COLLEGE TRANSITION (0770)

Grade: 11-12 Credit: 0.5

TEA: N1290050

RECOMMENDED: This course is recommended for students preparing to take the ACT and/or SAT.

College Transition course is 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 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. The College Transition course provides the means and training for students to research financial scholarships and

grant opportunities, complete applications, and explores technical schools, colleges and universities.

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

AVID 1 (81751)

Grade: 9 Credit: 1.0

TEA: N1290001

AVID 2 (81752)

Grade: 10 Credit: 1.0

TEA: N1290002

AVID 3 (81753)

Grade: 11 Credit: 1.0

TEA: N1290030

AVID is a series of academic, regularly scheduled elective classes that focus on learning, inquiry, and collaboration. The three main components of the AVID program are academic instruction (AVID curriculum), tutorial support and motivational activities. The mission of the AVID program is to ensure that all students are capable of completing a college-preparatory path, have a chance to succeed and enroll in four-year colleges and universities.

METHODOLOGY FOR ACADEMIC AND PERSONAL SUCCESS (MAPS) DUAL CREDIT (4121DC)

Grade: 10-11 Credit: 0.5

TEA: N1130021

PREREQUISITE: Must meet TSI requirements; see pages 16-17 for SHS Dual Credit Course Offerings
Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from St. Philip's College.

EDUC: 1300

This courses focus on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world

in order to establish both immediate and long-range personal goals. Overall, the course provides a study of the research and theory in the psychology of learning, cognition, and motivation; the factors that impact learning and application of learning strategies.

CAREER AND TECHNICAL EDUCATION (CTE) COURSES

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) ENDORSEMENT

STEM Program

Project Lead The Way (PLTW) is the nation's leading provider of STEM programs. PLTW's world-class, activity-project and problem-based curriculum and high-quality teacher professional development model help students develop the skills needed to succeed in our global economy.

INTRODUCTION TO ENGINEERING DESIGN (81561)

Grade: 9-12

Credit: 1.0

TEA: N1303742

PREREQUISITE: Algebra 1 or

concurrent enrollment in Algebra 1

This course is part of the Project Lead the Way (PLTW) curriculum and develops student problem solving skills, with emphasis placed upon the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by modern computer hardware and software. This modern computer-based process replaces the traditional hand drawing methods. The course will emphasize the design development process of a product

and how a model of that product is produced, analyzed, and evaluated, using a Computer Aided Design (CAD) System. Various design applications will be explored with discussion of possible career opportunities.

PRINCIPLES OF ENGINEERING (81563)

Grade: 10-12

Credit: 1.0

TEA: 13037500

PREREQUISITE: Introduction to Engineering Design; Geometry, or concurrent enrollment in Geometry; Chemistry or concurrent enrollment in Chemistry.

Principles of Engineering is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem-solving skills that are required in post-secondary education and engineering careers. Students will explore various engineering systems and manufacturing processes. The main purpose of this course is to experience through theory and "hands-on" problem-solving activities what engineering is all about and to answer the question, "Is a career in engineering or engineering technology for me?"

DIGITAL ELECTRONICS (81562)

Grade: 11-12

Credit: 1.0

TEA: 13037600

PREREQUISITE: Introduction to Engineering Design & Principles of Engineering

Digital Electronics is the third year of the Project Lead the Way (PLTW) Pre-Engineering sequence. Students will use an AutoDesk (CAD) Computer Based program to learn all the basic fundamentals of analog and digital electronics using the same materials and tools used by engineers and computer scientists. A commercial simulation package to investigate electronic circuits will validate the use

and construction of all circuitry and electronic devices to be constructed in a computer lab. Students will develop electronic circuits to perform a wide variety of functions: detecting movement with a sensor; detecting a person's heartbeat; decoding signals from orbiting space stations; using a remote control to turn on a TV, radio or to open a garage door.

ENGINEERING DEVELOPMENT AND DESIGN (81566)

Grade: 12

Credit: 1.0

TEA: N1303749

PREREQUISITE: Digital Electronics; Pre-Calculus or concurrent enrollment in Pre-Calculus or Calculus;

In this course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel. This course is appropriate for 12th grade students.

BUSINESS AND INDUSTRY ENDORSEMENT

Agriculture Program

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES (80101)

Grades: 9-12

Credit: 1.0

TEA: 13000200

PREREQUISITE: None

This hands-on interactive introductory course provides students with opportunities to learn basic knowledge and skills in many facets of the Texas Agriculture Industry: plant production, swine, cattle, sheep,

goats, poultry and Agriculture Mechanics. Additionally, students will learn about the FFA Organization and opportunities for supervised agriculture work experiences.

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES (80116)

Grades: 10-12 Credit: 1.0

TEA: 13002200

PREREQUISITE: Principles of Agriculture, Food, and Natural Resources or Principles of Manufacturing

This hands on, lab oriented class will stress safety in the work place while allowing students to prepare for careers in agricultural power, structural, and technical systems, as well as gain knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

AGRICULTURAL FACILITIES DESIGN AND FABRICATION (80127)

Grades: 11-12 Credit: 2.0

TEA: 13002300

PREREQUISITE: Agricultural Mechanics and Metal Technologies or Welding

This hands on, lab oriented class will stress safety in the work place while allowing students to prepare for careers in agricultural power, structural, and technical systems, as well as gain knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. Students will be prepared for careers in mechanized agriculture and technical systems, while attaining knowledge and skills related to agricultural facilities design and fabrication.

Students will explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

AGRICULTURAL POWER SYSTEMS (80110)

Grade: 12 Credit: 1.0

TEA: 1302400

PREREQUISITE: Agricultural Facilities Design and Fabrication

To be prepared for careers in agricultural power, structural, and technical systems, students should attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students should have opportunities to learn, reinforce, apply, and transfer their knowledge and understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery.

PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES (80141)

Grade: 12 Credits: 2.0

TEA: 13002500

PREREQUISITE: Agricultural Facilities, Advanced Animal Science, or Advanced Plant and Soil Science; 90% attendance for previous year.

The practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. A research project is required. This

course is recommended for students in Grade 12. The practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Program

EQUINE SCIENCE (Fall Only) (80112)

Grades: 10-12 Credit: 0.5

TEA: 13000500

PREREQUISITE: Recommended – Principles in Agriculture, Food, and Natural Resources

Equine Science is a hands-on course that allows students to gain knowledge and skills pertaining to nutrition, reproduction and health management in horses, donkeys and mules. This includes evaluation and selection of horses, nutrition and management; issues affecting the equine industry; participation in youth leadership activities, and study of related careers and employability characteristics of a successful employee.

SMALL ANIMAL MANAGEMENT (Spring Only) (80114)

Grades: 10-12 Credit: 0.5

TEA: 13000400

PREREQUISITE: Principles of Agriculture, Food, and Natural Resources.

Small Animal Management exposes students to the small animal industry, and may include, but is not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats. Students will study the issues and importance of the small animal industry, safe handling and management of small animals; identifying diseases that can be transmitted from animals to humans, and preventing the spread of diseases: safe and correct handling of hazardous chemicals and laboratory equipment; identifying different breeds or types of each species studied, habitat, housing and equipment for each species,

nutritional requirements, health maintenance, and basic grooming procedures. Students will study related careers and opportunities in the small animal industry, and employability characteristics of a successful employee.

LIVESTOCK PRODUCTION (80111)

Grades: 10-12 Credit: 1.0

TEA: 13000300

PREREQUISITE: Principles of Agriculture, Food, and Natural Resources.

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

ADVANCED ANIMAL SCIENCE (80132)

Grades: 11-12 Credit 1.0

TEA: 13000700

PREREQUISITE: Principles in Agriculture, Food and Natural Resources, Equine Science/ Small Animal Management ; 90% attendance for previous year; credit for Biology and Chemistry or concurrent enrollment in Chemistry Advanced Animal Science provides opportunities for students to develop knowledge and skills pertaining to production, harvesting, and marketing of livestock. Students will apply scientific principles, scientific inquiry, science and social ethics, safe laboratory practices, scientific methods and equipment used during field and laboratory investigations;

use critical thinking, scientific reasoning and problem solving; apply principles of molecular genetics and heredity, examine and compare animal anatomy and physiology in livestock species; Identify nutritional requirements of ruminant and non-ruminant animals; evaluate animal diseases and parasites, and other related topics. Study of study of related careers and employability characteristics of successful employees is also included.

VETERINARY MEDICAL APPLICATIONS (80122)

Grade: 12 Credit: 1.0

TEA: 13000600

PREREQUISITE: Advanced Animal Science, Biology, Chemistry; 90% attendance previous year Veterinary Medical Applications provides instruction in veterinary practices as they relate to both large and small animal species. This includes knowledge and skills in ethics of veterinary medicine, veterinary hospital management and marketing, medical terminology, anatomical structures and body systems, medical terms related to diagnosis, pathology and treatment of animals, identification of parasites, animal identification, characteristics, and behavioral temperament, mathematical calculations used in veterinary medicine, procedures for clinical examination and diagnosis, care, use and maintenance of equipment and instruments found in a veterinary clinic, and other related topics. Students will also investigate related veterinary careers and study employability characteristics of a successful employee.

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT (80115)

Grade 10-12 Credit: 1.0

TEA: 13001500

PREREQUISITE: Principles of Agriculture, Food, and Natural Resources

Wildlife, Fisheries and Ecology Management prepares students for careers in natural resource systems. This course examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices. This course is designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources wisely. The student will study the scientific basis for wildlife management, game and non-game species, management of wildlife populations, diseases impacting plants and animals, interrelationships between various aspects of wildlife and outdoor public use, laws and regulations regarding the use of wildlife resources, landowner and property rights, security issues, legal issues, apply cartographic skills to natural resource activities, monitor natural resource status, and other related topics. Hunter Education training is included in this course. Students will study related careers and opportunities in the small animal industry, and employability characteristics of a successful employee.

HORTICULTURE SCIENCE (80128)

Grade: 10 – 12 Credit: 1.0

TEA: 13002000

PREREQUISITE: Principles of Agriculture, Food, and Natural Resources

Students attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry

requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

ADVANCED PLANT AND SOIL SCIENCE (80160)

Grade: 11 – 12

Credit: 1.0

TEA: 13002100

PREREQUISITE: Wildlife, Fisheries, and Ecology Management, or Horticulture Science

Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. Investigations, laboratory practices, and field exercises will be used to develop an understanding of current plant and soil science. This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting.

Trades Program

PRINCIPLES OF ARCHITECTURE AND CONSTRUCTION (80201)

Grades: 9-12

Credit: 1.0

TEA: 13004200

PREREQUISITE: None

This introductory course is the prerequisite for the Architecture Design Academy and the Building Trades Academy. Principles of Architecture and Construction provides an overview to the various fields of architecture, interior design, construction science, and

construction technology. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging; and reading technical drawings.

CONSTRUCTION TECHNOLOGY (80214)

Grades 10-11

Credits: 1.0

TEA: 13005100

PREREQUISITE: Algebra I; Principles of Architecture and Construction

In Construction Technology, students gain knowledge and skills specific to those needed to enter the work force 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.

ADVANCED CONSTRUCTION TECHNOLOGY (80224)

Grades: 11-12

Credit: 2.0

TEA: 13005200

PREREQUISITE: Geometry; Construction Technology.

Advanced Construction Technology is an activity-based laboratory and construction site course with job-specific training for entry-level employment in trades related to construction careers: framing and finish carpentry, painting, installation and repair of drywall, and understand application of metal framing. Students will be expected to learn blueprint reading for residential and commercial buildings. Students are expected to complete a 10-hour OSHA safety course and they will receive a 10 hour OSHA card. A study of entrepreneurship, leadership, and career opportunities is included.

CONSTRUCTION MANAGEMENT (80213)

Grade: 12

Credit: 2.0

TEA: 13004900

PREREQUISITE: Geometry, Advanced Construction Technology

In Construction Management, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management includes the knowledge of the design techniques and tools related to the management of architectural and engineering projects.

PRACTICUM IN CONSTRUCTION MANAGEMENT (80243)

Grade: 12

Credit: 3.0

TEA: 13006200

PREREQUISITE: Advanced Construction Technology, or Advanced HVAC and Refrigeration Technology

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences in construction related careers. Safety and career opportunities are included

in addition to work ethics and job-related study in the classroom.

HVAC AND REFRIGERATION TECHNOLOGY (80260)

Grade: 10-12 Credit: 1.0

TEA: 13005800

PREREQUISITE: Recommended - Principles of Architecture and Construction or Construction Technology.

In HVAC and Refrigeration Technology, students gain knowledge and skills specific to those needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance technician or supervisor or prepare for a postsecondary degree. Students acquire knowledge and skills in safety, principles of HVAC theory, tools, codes, and installation of HVAC and refrigeration equipment.

ADVANCED HVAC AND REFRIGERATION TECHNOLOGY (80261)

Grade: 11-12 Credit: 2.0

TEA: 13005900

PREREQUISITE: HVAC and Refrigeration Technology

In Advanced HVAC and Refrigeration Technology, students gain knowledge and skills specific to those needed to enter the industry as HVAC and refrigeration technicians or building maintenance technicians or supervisors or prepare for a postsecondary degree. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of commercial HVAC equipment, heat pumps, troubleshooting techniques, various duct systems and maintenance practices.

Business Management & Administration Program

PRINCIPLES OF BUSINESS, MARKETING AND FINANCE (80401)

Grades: 9-11 Credit: 1.0

TEA: 13011200

PREREQUISITE: None

In this course students will gain knowledge and skills in economies and private enterprise systems. They will learn the impact of global business, marketing of goods and services, advertising and product pricing. Students will analyze the sales process and financial management principles. Consumer issues such as money, money management, the banking system, paychecks and taxes will also be explored. Students will explore career opportunities in the field of Business Management and Administration and will develop a personal career plan.

BUSINESS INFORMATION MANAGEMENT 1 (80424)

Grades: 10-12 Credit 1.0

TEA: 13011400

PREREQUISITE: None

Business Information Management 1 (BIM) prepares students to apply technology skills to personal/workplace business situations. This course provides training in word processing, spreadsheet, database, telecommunications, desktop publishing, presentation management, and emerging technologies. Students complete the course with intermediate skill levels in word processing, spreadsheet, presentation management and database applications using Microsoft Office. Students will have the opportunity to study for and take the Microsoft Office Specialist certification tests in Word, Excel, PowerPoint, and Access. The student is responsible for the cost of the tests.

GLOBAL BUSINESS (80426)

Grades: 10-11 Credit: 0.5

TEA: 13011800

RECOMMENDED: Principles of Business, Marketing, and Finance
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 and postsecondary education. Students apply technical skills to address global business applications 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. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment.

VIRTUAL BUSINESS (80427)

Grades: 10-11 Credit: 0.5

TEA: 13012000

RECOMMENDED: Principles of Business, Marketing, and Finance
Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Students will be able to identify steps needed to locate customers, set fees, and develop client contracts. Student will be able to provide administrative, creative, and technical services using advanced technological modes of communication and data delivery. The student builds a functional website that incorporates the essentials of a virtual business.

RETAILING AND E-TAILING (80404)**Grades: 10-11 Credit: 0.5****TEA: 13034500***RECOMMENDED: Principles of**Business, Marketing, and Finance*

Students will have the opportunity to develop skills that involve electronic media techniques necessary for a business to compete in a global economy. Students will coordinate online and off-line marketing. Students will demonstrate critical-thinking skills using decision-making models, case studies, various technologies, and business scenarios.

SOCIAL MEDIA MARKETING (80415)**Grades: 10-11 Credit: 0.5****TEA: N1303481***RECOMMENDED: Principles of**Business, Marketing, and Finance*

Social Media Marketing is designed to look at the rise of social media and how it has transformed the business arena. Students will learn about the multi-disciplinary implications and how to manage a successful social media presence for an organization.

DOLLARS AND SENSE (81011)**Grades: 10-11 Credit: 0.5****TEA: 13024300***RECOMMENDED: Principles of**Business, Marketing, and Finance*

Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and opportunities for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations necessary for a business to compete in a global economy. Students will coordinate online and off-line marketing. Students will demonstrate critical-thinking skills using decision-making models, case studies, various technologies, and business scenarios.

BANKING AND FINANCIAL SERVICES (81018)**Grades: Credit: 0.5****TEA: 13016300***RECOMMENDED: Principles of*
Business, Marketing, and Finance

In Banking and Financial Services, students will develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent employees and entrepreneurs. Students will incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

ENTREPRENEURSHIP (81416)**Grades: 10-12 Credit: 1.0****TEA: 13034400***RECOMMENDED: Principles of*
Business, Marketing, and Finance

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of 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. In addition, students understand the capital required, the return on investment desired, and the potential for profit.

BUSINESS LAW (80413)**Grades: 10-11 Credit: 0.5****TEA: 13011700***RECOMMENDED: Principles of*
Business, Marketing, and Finance

Students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts,

negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property. Students apply technical skills to address business applications of contemporary legal issues. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

PRACTICUM IN BUSINESS**MANAGEMENT (80443)****Grade: 12 Credit: 2.0****TEA: 13012200***PREREQUISITE: Business Information*
*Management 1; Algebra 2 or**concurrent enrollment in Algebra 2*

The practicum is designed to give students supervised practical application of previously studied knowledge and skills in a variety of locations appropriate to the nature and level of experience. 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 applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

**PRACTICUM IN BUSINESS
MANAGEMENT: MEDICAL BILLING
AND CODING (80441)**

Grade: 11-12 Credit: 2.0

TEA: 13012200

*PREREQUISITE: Health Science;
Medical Terminology; 90% attendance
for prior year*

*RECOMMENDED: Business
Information Management 1.*

The Health Information Practicum is designed to prepare students for careers in the medical and insurance fields of billing and coding. Students will learn current programs and systems for electronic health records. Through classroom and laboratory work, students will learn the business, healthcare, and ethical implications of accurate medical recordkeeping.

Technology Program

**PRINCIPLES OF INFORMATION
TECHNOLOGY (81101)**

Grades: 9-12 Credit: 1.0

TEA: 13027200

PREREQUISITE: None

Students in this introductory course will learn about computer operating systems, networking, computer parts, and the use of word processing, spreadsheets, database and presentation management software, and are expected to work towards Microsoft Office Specialist (MOS) certification. Students will also design and publish pages for the World Wide Web. Students will explore career opportunities in the Information Technology field, and will study employability characteristics and expectations in the workplace. This course is required for all IT pathways.

**TELECOMMUNICATIONS AND
NETWORKING (81121)**

Grade: 10-12 Credit: 1.0

TEA: 130027400

*RECOMMENDED: Principles of
Information Technology*

As part of the Microsoft IT Academy at St. Philips College, this course will explore networking technologies, topologies, and networking media as well as problem solving, trouble shooting and network design. Students will also receive training on Microsoft Windows operating systems. Instructors have been certified through the Microsoft Corporation and St. Philips College to offer this training. Students will be expected to work towards Microsoft certification (MCP and MCSE). While students are not required to take the certification exam, they are expected to work diligently towards this level of mastery in the course. Students who pass the exam will receive a nationally recognized certification from Microsoft.

**INFORMATION AND TECHNOLOGY
SECURITY ACADEMY 1 & 2 DUAL
CREDIT (81166, 81167)**

TEA: 13028000, 13027700

Grade: 11 - 12 Credit: 3.0

*PREREQUISITE: Principles of
Information Technology and complete
all enrollment requirements of CTTC*
*RECOMMENDED: Telecommunications
and Networking*

**NOTE: This is a two-year sequence of
courses taught at Central Texas
Technology Center (CTTC).**

The Seguin Economic Development Corporation, in partnership with the Central Texas Technology Center and St. Philip's College of San Antonio, independent school districts, and the Alamo Community College District created a dual credit Information Technology and Security Academy targeting high school juniors and seniors. The program introduces students to the technologies involved in the Information Technology Security field while imparting important work place habits. Students also participate in a summer internship between the junior and senior year in high school. Students in

the program earn college credit and high school credit for the ITSA courses taught by St. Philip's College instructors at the Central Texas Technology Center. Local business partners assisted the community college district in creating a curriculum reflecting the needs of our diverse manufacturing community. Counselors can guide the students through the process of application, entrance exam and registration procedures. For a complete listing of courses taken at CTTC, see page 17.

**DIGITAL AND INTERACTIVE MEDIA
(81113)**

Grades: 10-12 Credit: 1.0

TEA: 13027800

*PREREQUISITE: Principles of
Information Technology; Algebra 1
and Geometry or concurrent
enrollment in Geometry.*

Digital and Interactive Multimedia is a survey of the theories, elements, and hardware/ software components of multimedia. Topics include digital image editing, digital sound and video editing, animation, and interactive presentations. Emphasis is on conceptualizing and producing effective multimedia presentations. Software used in the course is the Adobe Creative Suite and the Apple Final Cut Pro Suite.

ANIMATION (80324)

Grade: 10-12 Credit: 2.0

TEA: 13008300

*PREREQUISITE: Digital and Interactive
Media; Algebra 2 or concurrent
enrollment in Algebra 2*

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the animation and graphics career fields, students will be expected to develop an understanding of the history and techniques of the animation and graphics industry.

ADVANCED ANIMATION (80325)**Grade: 11-12 Credit: 2.0****TEA: 13008400***PREREQUISITE: Animation*

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career Program, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry.

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (80345)**Grade: 12 Credit: 2.0****TEA: 13009000***PREREQUISITE: Animation 2; Algebra 2*

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 these career areas, 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. Students will be expected to complete a major individual project as part of the course.

WEB TECHNOLOGIES (81123)**Grade: 10-12 Credit: 1.0****TEA: 13027900***PREREQUISITE: Principles of Information Technology*

Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and

interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

COMPUTER PROGRAMMING (81176)**Grade: 10-12 Credit: 1.0****TEA: 13027600***RECOMMENDED: Principles of Information Technology*

Students acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies.

Manufacturing Program**ADVANCED TECHNOLOGY AND MANUFACTURING ACADEMY 1 & 2 DUAL CREDIT (81361, 81362)****Grade: 11-12 Credit: 3.0***PREREQUISITE: Complete all enrollment requirements of CTTC;**RECOMMENDED: Principles of Manufacturing and Welding****NOTE: This is a two-year sequence of courses taught at Central Texas Technology Center (CTTC).***

The Seguin Economic Development Corporation, in partnership with the Central Texas Technology Center and St. Philip's College of San Antonio, independent school districts, and the

Alamo Community College District created a dual credit Manufacturing Technology Academy targeting high school juniors and seniors. The program introduces students to the technologies involved in manufacturing while imparting important work place habits. Students also participate in a summer internship between the junior and senior year in high school. Students in the program earn college credit for the manufacturing technology courses taught by St. Philip's College instructors at the Central Texas Technology Center. Local business partners assisted the community college district in creating a curriculum reflecting the needs of our diverse manufacturing community. Counselors can guide the students through the process of application, entrance exam and registration procedures. For a complete listing of courses taken at CTTC, see page 17.

PRINCIPLES OF MANUFACTURING (81301)**Grades: 9-12 Credits: 1.0****TEA: 13032200***PREREQUISITES: None*

NOTE: Students who do not demonstrate required knowledge of safety and equipment skills during the first three weeks of this course may be dropped from the class. Principles of Manufacturing exposes students to knowledge and skills in production, manufacturing, and the use of modern welding technology. Additional topics of instruction include the importance of teamwork, leadership, good working habits, organizational skills and the evolution of engineering as well as time management and interviewing skills. Students are expected to learn and demonstrate state regulations such as OSHA regulations, NEC, and ASTM. This in depth class will help the student learn skills required in the industrial world for employment. At

the end of this course the student is expected to demonstrate skills required in the work place such as interviewing skills, flexibility, and willingness to acquire knowledge.

WELDING (81312)

Grades: 10-12 Credits: 2.0

TEA: 13032300

PREREQUISITE: Successful completion of Principles of Manufacturing; credit for Geometry or enrollment in Geometry

NOTE: Students who do not demonstrate required knowledge of safety and equipment skills during the first three weeks of this course may be dropped from the class.

In the manufacturing field today welding technology has evolved to its highest level. There is a high demand in industry for skilled welders. This course supports integration of academic and technical knowledge and skills within the welding curriculum. Students will learn to apply and transfer knowledge and skills to a variety of settings. This class will teach the student the importance of teamwork, leadership, integrity, honesty, and positive work habits. Students will be exposed to different types of welding and oxyfuel cutting. Students will be expected to identify types of welds including fillet welds, groove, spot, plug, flanged, and be able to identify welding symbols and read blueprints. Students are also expected to work independently and fabricate with minimal assistance as well as learn the different types of gases used in the welding field. During this time the student will also demonstrate proper knowledge in electrical theory as it applies to welding machinery and equipment such as AC/ DC heat transfer and polarity.

ADVANCED WELDING (81322)

Grades: 11-12 Credits: 2.0

TEA: 13032400

PREREQUISITE: Welding; Geometry, 90% attendance for previous year.

Advanced welding builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. Students will have the opportunity to transfer knowledge and skills to a variety of settings and problems. Students will develop teamwork, leadership, integrity, honesty, productive work habits, and organizational skills. Students will explore characteristics of a successful worker in the global economy, including the study of health and safety issues and government regulations. Students will apply academic skills to the requirements of welding, including estimation of costs, accurate reading of measurement instruments to project costs, selecting appropriate tools to make accurate measurements, computing measurements such as area, surface area, volume, and perimeter. The student is expected to learn and be able to demonstrate the function and application of welding tools, equipment, technologies, and materials used in welding, and to be able to read and interpret blueprints and welding symbols. The student will perform advanced welding procedures including cutting, shielded metal arc welding, advanced oxy-fuel processes, gas metal arc welding, flux cored arc welding, and gas tungsten arc welding using a variety of metals. Students are expected to be able to appraise and evaluate welding projects, be knowledgeable about all safety regulations and practices including federal, state, and local.

PRACTICUM IN MANUFACTURING (76040)

Grade: 12 Credit: 2.0

TEA: 13033000

PREREQUISITE: Advanced Welding

This course is recommended for students in Grade 12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the manufacturing Program. The practicum 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.

Media Communications Program

PRINCIPLES OF MEDIA: JOURNALISM (81180)

Grade: 9-12 Credit: 1.0

TEA: 13008200

PREREQUISITE: None

Careers in the Arts, Audio/Video Technology, and Communications 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 this Program and the knowledge, skills, and educational requirements for those opportunities. The journalistic focus of the course prepares students for continued involvement in media, producing the Matcast, newspaper, or yearbook.

**GRAPHIC DESIGN: NEWSPAPER
(81181)**

Grade: 10-12 Credit: 1.0

TEA: 13008800

*PREREQUISITE: Recommended –
Principles of Media: Journalism*

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art, photography, and design demonstrated through the production of the school newspaper.

**ADVANCED GRAPHIC DESIGN:
NEWSPAPER 2 (81182)**

Grade: 11-12 Credit: 2.0

TEA: 13008900

*PREREQUISITE: Graphic Design:
Newspaper 1*

In addition to developing advanced technical knowledge and skills, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills while producing the school newspaper.

**PRACTICUM IN GRAPHIC DESIGN:
NEWSPAPER 3 (81183)**

Grade: 12 Credit: 2.0

TEA: 13009000

*PREREQUISITE: Advanced Graphic
Design: Newspaper 2*

Students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction will be delivered through lab-based classroom experiences as the students refine skills developed in previous courses and take leadership roles as editors of the school newspaper.

**GRAPHIC DESIGN: YEARBOOK
(81184)**

Grade: 10 -12 Credit: 1.0

TEA: 13008800

*PREREQUISITE: Recommended -
Principles of Media: Journalism*

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art, photography, and design demonstrated through the production of the school yearbook.

**ADVANCED GRAPHIC DESIGN:
YEARBOOK 2 (81185)**

Grade: 11-12 Credit: 2.0

TEA: 13008900

*PREREQUISITE: Graphic Design:
Yearbook 1*

In addition to developing advanced technical knowledge and skills, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills while producing the school yearbook.

**PRACTICUM IN GRAPHIC DESIGN:
YEARBOOK 3 (81186)**

Grade: 12 Credit: 2.0

TEA: 13009000

*PREREQUISITE: Advanced Graphic
Design: Yearbook 2*

Students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction will be delivered through lab-based classroom experiences as the students refine skills developed in previous courses and take leadership roles as editors of the school yearbook.

**AUDIO/VIDEO PRODUCTION:
MATCAST 1 (81187)**

Grade: 10-12 Credit: 1.0

TEA: 13008500

*PREREQUISITE: Recommended –
Principles of Media - Journalism*

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career Program, students will have an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities through production of the weekly Matcast.

**ADVANCED AUDIO/VIDEO
PRODUCTION: MATCAST 2 (81188)**

Grade: 11-12 Credit: 2.0

TEA: 13008600

*PREREQUISITE: Audio/Video
Production: Matcast 1*

Students continue developing an advanced understanding of the industry while refining their pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including both audio and video with a weekly Matcast production.

**PRACTICUM IN AUDIO/VIDEO
PRODUCTION: MATCAST 3 (81189)**

Grade: 12 Credit: 2.0

TEA: 13008700

*PREREQUISITE: Advanced Audio/Video
Production: Matcast 2*

While developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career Program, 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 activities in a studio environment. Students in Matcast 3 are expected to demonstrate the skills developed in previous years and take leadership roles as producers of the programs created for and through the class.

PUBLIC SERVICE ENDORSEMENT

Public Service Program

PRINCIPLES OF EDUCATION AND TRAINING (80501)

Grade: 9-11 Credit: 1.0

TEA: 13014200

PREREQUISITE: None

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career Program. Students use self-knowledge and educational and career information to analyze various careers within the education and training career Program. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career Program. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

HUMAN GROWTH AND DEVELOPMENT (80511)

Grade: 10-12 Credit: 1.0

TEA: 13014300

PREREQUISITE: Recommended -

Principles of Education and Training

Human Growth and Development is an examination of human development across the lifespan with emphasis upon 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.

INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING (80521)

Grade: 11-12 Credit: 2.0

TEA: 13014400

PREREQUISITE: Human Growth and Development

Instructional Practices in Education and Training is a field-based 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 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. Students must have their own transportation.

PRACTICUM IN EDUCATION AND TRAINING (80562)

Grade: 12 Credit: 2.0

TEA: 13014500

PREREQUISITE: Instructional Practices in Education and Training

This 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 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. Students must have their own transportation.

PRINCIPLES OF HUMAN SERVICES (81001)

Grade: 9-11 Credit: 1.0

TEA: 13024200

PREREQUISITE: None

This laboratory course will enable students to investigate careers in the human services career Program, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

INTERPERSONAL STUDIES (81012)

Grade: 10-12 Credit: 0.5

TEA: 13024400

PREREQUISITE: None

This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services. Students are encouraged to participate in extended learning experiences such as career and technical student organizations

and other leadership or extracurricular organizations.

COSMETOLOGY 1 (81023)

Grade: 11 Credit: 3.0

TEA: 13025200

PREREQUISITE: Parent permission; parent and student attendance at the informational meeting is required; Students must pay a fee deposit of \$100 by June 1, and the remaining first year fees of \$200 by the first day of school. Fees are paid to the Cosmetology Instructor.

NOTE: Course Fees are \$300 for the first year of the program and \$200 for the second year. No refund is given after items have been ordered.

Academic as well as career and technical knowledge and skills are integrated in this laboratory-based course designed to provide job-specific training for employment in cosmetology careers. The course is a mix of classroom instruction and lab-based activities. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care. Analysis of career opportunities, requirements, employer and job expectations, and development of workplace skills are also addressed in the course. Cosmetology is a planned 1000-clock hour course which meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students are required to register with the Texas Department of Licensing and Regulation, purchase a kit and lab jacket, etc.

COSMETOLOGY 2 (81031)

Grade: 12 Credit: 3.0

TEA: 13025300

PREREQUISITE: Cosmetology 1

NOTE: Second-year students must pay a fee deposit of \$100 by June 1, and the remaining second year fees of \$100 by the first day of class. Pay fees to the Cosmetology Instructor.

No refund is given after items have been ordered. In order to meet the requirement of 1000-clocked hours, students will attend class until 4:30 in the afternoons, Monday-Thursday. Transportation is available with written request.

In Cosmetology 2 students review extended academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes advanced training in sterilization and sanitation processes, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge and skills in a variety of settings and problems. This course preps students for the cosmetology operators licensing exam for the state. Students are required by the state to have a high school diploma in order to receive a Cosmetology License.

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY (81201)

Grades: 10-12 Credit: 1.0

TEA: 13029200

PREREQUISITE: None

Principles of Law, Public Safety, Corrections and Security is the introductory course in the Criminal Justice/Law Enforcement sequence. It introduces students to the professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of law enforcement agencies, the court systems, and the correctional systems. The student will acquire the basic introductory skills necessary for a possible career in law enforcement, public safety,

corrections or the private security industry.

LAW ENFORCEMENT 1 (81211)

Grades: 11-12 Credit: 1.0

TEA: 13029300

PREREQUISITE: Principles of Law, Public Safety, Corrections, and Security
Law Enforcement 1 is an overview of the history, organization, and functions of local, state, and federal law enforcement agencies. The student will explore how constitutional law affects law enforcement procedure, functions, and daily patrol procedures. The student will be exposed to law enforcement terminology, the classifications of criminal behaviors, the theories of criminal behaviors, and the processing of a crime scene.

LAW ENFORCEMENT 2 (81221)

Grade: 12 Credit: 1.0

TEA: 13029400

PREREQUISITE: Law Enforcement 1

This course offers students opportunities to further prepare for a career in law enforcement. Students will learn how to use telecommunications equipment, testify in courtroom proceedings, manage crisis situations, handle domestic violence cases, implement crowd management strategies, protect against terroristic threats, interview and interrogate individuals ensuring the protection of their constitutional rights, process various crime scenes, demonstrate the use of force with the application of various restraints, process someone in custody, and be able to explain the education and training needed for a career in law enforcement and the state mandate to continue getting more education as technologies emerge in this field.

FORENSIC SCIENCE (81223)

Grade 11-12 Credit: 1.0

TEA: 13029500

PREREQUISITE: Biology, Chemistry

This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior.

Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis.

Health Sciences Program

PRINCIPLES OF HEALTH SCIENCE (80801)

Grades: 9-12 Credit: 0.5

TEA: 13020200

PREREQUISITE: None

This course is designed to provide an opportunity for understanding the concepts and skills necessary for entering the health care field.

Essential elements included in this course are current events in health care, medical terminology, anatomy and physiology, human growth and development, CPR, first aid, basic concepts of illness and wellness, medical communications skills, and interpersonal relationships.

MEDICAL TERMINOLOGY (80812)

Grades: 9-11 Credit: 0.5

TEA: 13020300

PREREQUISITE: 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, and by relating terms to body systems. Students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

HEALTH SCIENCE (80811)

Grades: 10-12 Credit: 1.0

TEA: 13020400

PREREQUISITE: Medical Terminology or concurrent enrollment in Medical Terminology

Health Science is designed to provide development of advanced knowledge and skills related to a wide variety of health careers. Students will apply academic skills with hands-on experience, implement the knowledge and skills of a health science professional in the clinical setting, evaluate ethical behavioral standards and legal responsibilities, assesses wellness strategies for the prevention of disease and other related topics. Entry-level skills will be developed for taking vital signs, using medical terminology, providing CPR and other skills needed to work in the health care field.

PRACTICUM IN HEALTH SCIENCE: CERTIFIED NURSE ASSISTANT (CNA) (80842)

Grades: 11-12 Credit: 2.0

TEA: 13020500

PREREQUISITE: Health Science; must pass a criminal background check; must complete an application for CNA; must have at least 90% attendance for the previous year.

Other Requirements:

- Must attend a student/parent meeting prior to the beginning of school and an evening meeting in April.
- Must submit completed application for the Certified Nurse Assistant Program by May 1

- Must pass a TB skin test and provide results to SHS CTE office by August 1 of the school year
- Must have a flu shot
- Must purchase set of scrubs by October 1; color TBD by instructor
- Course Fees: Nurse Aide State Certification Exam \$83— must be paid to SHS by November 1

The Certified Nurse Assistant course is designed for the student interested in a nursing or health careers. The course goal is for the student to become a Certified Nurse Assistant (CNA) and to pass the state licensing exam. The program is a combination of classroom, laboratory, and clinical learning that will introduce the student to all facets of the Nurse Assistant field. Content of the course includes the role and function of the CNA, anatomy and physiology, and basic patient care skills. Course instruction prepares students to qualify for the Texas Nurse Aide Competency Evaluation Exam for certification.

PRACTICUM IN HEALTH SCIENCE: PHARMACY TECH (80843)

Grade: 12 Credit: 2.0

TEA: 13020500

PREREQUISITE: Health Science; must pass a criminal background check/fingerprinting check; must have at least 90% attendance for the previous year. Must pay fees of \$88 to SHS by June 1.

Other Requirements:

- Must attend a parent meeting prior to the beginning of school
- Must submit application for Pharmacy Tech by May 1
- Must purchase a set of scrubs to wear in internship by Nov. 1; color TBD by the instructor
- Must have a flu shot

Course Fees:

- Registration fee with the State Board of Pharmacy as Trainee \$53 —Must be paid to SHS by June 1.

- Fingerprinting and background check \$45 – must be completed by Aug.1; records must be brought to the CTE office and be on file by Aug. 1.
- Student Manual \$25 – Must be paid to SHS by June 1.
- Pharmacy Technician Certification Board Exam \$129 must be paid to SHS by Feb. 1 (If the student passes the Sterile Products Exam, the school will pay for the Pharmacy Technician Certification Board Exam)

Pharmacy Tech is an occupationally specific course designed to prepare students to enter the pharmacy field and take the state Pharmacy Technician Certification Board's PTCB exam. Technicians work in hospitals, community pharmacies and other health care settings under the supervision of a registered pharmacist. Course content includes medical terminology specific to pharmacy, reading and interpreting prescriptions and defining drugs by generic and brand names. Students will learn dosage, calculations, IV flow rates, drug compounding, dose conversions, medication, preparation for dispensing, preparing unit dose medications, inventory control and billing.

PRACTICUM IN HEALTH SCIENCE: EMT (80846)

Grade: 12 Credit: 2.0
TEA: 13020500

PREREQUISITE: Health Science; must have at least 90% attendance for prior year.

RECOMMENDED: Anatomy and Physiology and/or Pathophysiology

NOTE: Co-enrollment in Practicum in Health Science: Certified Nurse Assistant (CNA) is discouraged. Practicum in Health Science: Clinical Rotations OR Practicum in Health Science: Pharmacy Tech are appropriate for co-enrollment.

Other requirements:

- Must have flu shot
- Must pass a TB skin test and provide results to SHS by Sept. 1
- Application Fee (\$64) to the Texas Department of State Health Services for ECertificate
- Fingerprint/Background Check (\$41.45) fee to L1enrollment.com at the time of application for EMT Certificate
- Testing Fee (\$70) due to SHS by March 31

The Emergency Medical Technician course is designed for students interested in careers as first responders or in other health careers. The course offers a combination of classroom, laboratory, and clinical learning that will introduce the student to all aspects of the EMS field. Content of the course prepares students to meet all requirements of the EMT-Basic licensure. The course is a prerequisite for anyone wishing to pursue a career as an EMT/Paramedic. The course also covers the training most cities require of firefighters. The EMS field offers a range of career paths ranging from oil-field medic to emergency room technician.

PRACTICUM IN HEALTH SCIENCE: DENTAL ASSISTANT (80845)

Grade: 11-12 Credit: 2.0
TEA: 13020500

NOTE: DENTAL ASSISTANT COURSE WILL BECOME EFFECTIVE IN THE 2017 – 2018 SCHOOL YEAR

PREREQUISITE: Must have credit for Health Science; must have at least 90% attendance for prior year.

Students enrolling in the Dental Assistant course will be introduced to all aspects of the dental assistant field through classroom, laboratory, and clinical experience. The course is designed for students interested in careers in the dental field and will prepare students for certification as dental assistants.

PRACTICUM IN HEALTH SCIENCE: CLINICAL ROTATIONS (80844)

Grade: 11-12 Credit: 2.0
TEA: 13020500

PREREQUISITE: Health Science; must pass a criminal background check; must complete an application for Clinical Rotation; must have 90% or better attendance for the previous year.

Other Requirements:

- TB test and flu shot may be required at some training sites
- Appropriate attire for the training site (scrubs, uniform, business dress) must be worn
- Some training sites may require a student worker ID. SHS will provide for \$5
- Student must pay fees for any certifications or trainings provided by the training site.
- Intern will be expected to make a 1-year commitment to some of the training sites.
- Hours worked determine credit earned: 10 hours-per-week = 2 credits; 15+hours –per-week = 3 credits.
- Certain training sites may have age restrictions due to licensing or regulations

Clinical Rotations gives students interested in a health care career practical work experience. Training sites represent a broad sampling of careers in the health care spectrum. Internship assignments may be paid or unpaid. Students may take up to two periods of work-release if their schedule allows.

PROBLEMS AND SOLUTIONS IN HEALTH SCIENCE (81158)

Grade: 10-12 Credit: 1.0
TEA: 12701500

PREREQUISITE: Health Science or concurrent enrollment in Health Science; Recommended: Pre-AP Biology

Students develop a project on a topic related to career interests, use

scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings. This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished Achievement Program.

WORLD HEALTH RESEARCH (80870)

Grade: 11-12

Credit: 1.0

TEA: 13020200

PREREQUISITES: Recommended – Health Science, Biology, Chemistry

This course examines major world health problems and emerging technologies as solutions to these medical concerns. The course is designed to improve students' understanding of the cultural, infrastructural, political, educational, and technological constraints and inspire ideas for appropriate technological solutions to global medical care issues.

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Appendix A - Endorsements, Programs, and Course Sequences

Students will be able to earn one or more endorsements as part of their graduation requirements (see page 7 for more information on Seguin ISD Graduation Requirements). Students must select an endorsement in the ninth grade. Seguin ISD offers all five endorsements.

The Seguin ISD Career and Technical Education (CTE) program offers a sequence of courses that provide students coherent and rigorous content leading to a graduation endorsement. The CTE programs are designed to be hands-on and industry driven, leading to practical applications. Below is a list of the graduation endorsements offered at Seguin High School, along with CTE Sequences.

For more information on state graduation requirements, including endorsements, see the TEA Graduation Toolkit, available in [English](#) and [Spanish](#).

Endorsement	Program	Sequence	Certification(s)
Science, Technology, Engineering, and Mathematics (STEM)	STEM	Project Lead The Way (PLTW) (Pre-Engineering)	OSHA Career Safe, Student Electronics Technician
		Mathematics Studies	
		Environmental Studies (Science)	
		Pre-Medical Studies	
Business and Industry	Agriculture	Agricultural Mechanics	Welding, OSHA Career Safe
		Animal Science	OSHA Career Safe
		Veterinary Technology	Veterinary Assistant, OSHA Career Safe
		Horticulture	OSHA Career Safe
	Trades	Construction Technology	Construction Trades, OSHA Career Safe
		HVAC Technology	Construction Trades, OSHA Career Safe
	Business Management & Administration	Business Management	Microsoft Office Specialist, IC3 Computer Fundamentals
		Marketing	
		Medical Billing and Coding	Microsoft Office Specialist, Health Information Coder
	Technology	Web Design & Programming	Adobe Certified Associate, Autodesk, Microsoft Tech Associate, IC3 Living Online, IC3 Computer Fundamentals, IC3 Key Applications
		Information Technology and Security Academy (ITSA)	CompTia A+, Autodesk, Microsoft Tech Associate, IC3 Living Online, IC3 Computer Fundamentals, IC3 Key Applications, Level 1 – Information Technology & Security
		Animation & Game Design	Adobe Certified Associate, Autodesk, Microsoft Tech Associate, IC3 Living Online, IC3 Computer Fundamentals, IC3 Key Applications

Endorsements, Programs, and Course Sequences Continued

Endorsement	Program	Sequence	Certification(s)
Business and Industry	Manufacturing	Advanced Technology and Manufacturing Academy (ATMA)	OSHA Career Safe, Level 1 – Manufacturing Skills Trade Helper, Level 1 – Tool Operator/Maintenance Assistant
		Welding Technology	OSHA Career Safe, AWS
	Media Communications	MATCAST (Media Production)	
		Newspaper	
		Yearbook	
Public Service	Public Service	Professional Educator	
		Cosmetology	Texas Cosmetology Operator License
		Law Enforcement	Telecommunications 911 - TECLEOSE
		JROTC Naval Science	
	Health Sciences	Health Care Basics	C.N.A.
		Pharmacy Technology	Pharmacy Tech
		Emergency Medical Technician (EMT)	EMT
Arts and Humanities	Fine Arts	Instrumental Music: Band	
		Instrumental Music: Mariachi	
		Vocal Music: Choir	
		Dance	
		Theatre Performance	
		Technical Theatre	
		Visual Arts	
	World Languages	Spanish	
		French	
Multi-Disciplinary Studies	General Studies	4x4 Core Curriculum Advanced Placement (AP) Dual Credit	
	Early College: Associates Degree		

Appendix B - FOUR-YEAR COURSE OUTLINE INSTRUCTIONS AND WORKSHEETS

A

In this section, **BOX 1** will show you the name of the Endorsement that can be earned, **BOX 2** tells you the name of the Program and **BOX 3** shows you the possible Sequence.

1 NAME OF ENDORSEMENT

2 NAME OF PROGRAM

3 NAME OF THE SEQUENCE

B

In this section, you will see your required core classes. Seguin High School requires **26 credits** for graduation and **20 required classes** are listed below. To complete your four-year plan, you will need to select an **additional 7 elective credits**. As you choose a specific Sequence, you will be able to select certain substitute courses for credit. In total, your schedule has available 32 course slots for 26 credits. Use this planner to organize the most beneficial four-year course of study for yourself.

CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry/IPC	IPC/Physics/Chemistry /Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Fine Arts	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE

C

In section C, you will see a list of Sequences under the endorsement above. You should **select (1) Sequence** as your main course of study. You will also see recommended electives in some Sequences to help you choose courses to complement your main courses. To achieve a graduation endorsement, you will need to complete the **four main courses** listed for the Sequence. It is beneficial for you to also schedule as many recommended electives, as your schedule will allow.

Select one (1) of the following sequences for your recommended four-year course outline

<input type="checkbox"/> SEQUENCE				
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective

STEM ENDORSEMENT		STEM PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry	Physics	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE	OTHER ELECTIVE
Select one (1) of the following sequences for your recommended four-year course outline.				
<input type="checkbox"/> PROJECT LEAD THE WAY (PLTW)	PLTW 81561 - Intro to Eng. Design	PLTW 81563 - Prin. Of Engineering	PLTW 81562 - Digital Electronics	PLTW 81566 - Eng. Design & Dev.
Recommended Electives	Principles of Manufacturing or Principles of IT	Business Information Management	Computer Programming ½ Professional Comm. ½ Business Law	Advanced Computer Programming (2 credits)
Extracurricular Program or Additional Electives	Required PE or Fine Arts	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Engineering Design and Problem Solving/ AP Chemistry/AP Biology
<input type="checkbox"/> MATHEMATICS STUDIES	Algebra I	Geometry	Algebra II	Precalculus
Recommended Electives		Computer Science 1 Computer Programming	AP Calculus AB AP Statistics Computer Science 2 Adv. Comp. Programming	Indep. Studies in Math: DC Math AP Computer Science
Extracurricular Program or Additional Electives	Required PE or Fine Arts	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> ENVIRONMENTAL STUDIES (SCIENCE)	Biology	Chemistry	Physics	AP Environmental Science and AP Chemistry or AP Biology
Recommended Electives			Anatomy and Physiology Forensic Science	Scientific Research and Design: Epidemiology
Extracurricular Program or Additional Electives	Required PE or Fine Arts	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> PRE-MEDICAL STUDIES	Biology	Chemistry	Anatomy and Physiology	AP Chemistry or AP Biology
Recommended Electives			Forensic Science Physics ½ Pathophysiology ½ Medical Microbiology	AP Environmental Science OR Scientific Research and Design: Epidemiology
Extracurricular Program or Additional Electives	Required PE or Fine Arts	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective

BUSINESS & INDUSTRY ENDORSEMENT		AGRICULTURE PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry / IPC	IPC / Physics / Chemistry / Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Fine Arts	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences for your recommended four-year course outline.				
<input type="checkbox"/> AGRICULTURAL MECHANICS	Principles of Agriculture	Ag Mechanics & Metal Tech.	Ag Design & Fabrication (2 credits)	Ag Power Systems OR Practicum in Agriculture (2 credits)
Recommended Electives	Principles of Agriculture OR Principles of Manufacturing	Business Information Management	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> ANIMAL SCIENCE	Principles of Agriculture	½ Small Animal Management (Spring) ½ Equine Science (Fall)	Adv. Animal Science (Science Credit)	Practicum in Agriculture (2 credits)
Recommended Electives	Principles of Agriculture OR Business Information Management	Livestock Production	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	Scientific Research and Design: Epidemiology ½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> VETERINARY TECHNOLOGY	Principles of Agriculture	½ Small Animal Management (Spring) ½ Equine Science (Fall)	Adv. Animal Science (Science Credit)	Veterinary Med. Applications
Recommended Electives	Principles of Agriculture OR Business Information Management	Livestock Production	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	Scientific Research and Design: Epidemiology ½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> HORTICULTURE	Principles of Agriculture	Horticulture Science	Wildlife, Fisheries & Ecology Management	Advanced Plant and Soil Science (Science Credit)
Recommended Electives	Principles of Agriculture OR Business Information Management	Business Info. Mgmt. Art 2 Drawing / Paint	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective

BUSINESS & INDUSTRY ENDORSEMENT		TRADES PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry / IPC	IPC / Physics / Chemistry / Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Fine Arts	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences for your recommended four-year course outline.				
<input type="checkbox"/> CONSTRUCTION TECHNOLOGY	Principles of Architecture and Construction	Construction Technology	Adv. Construction Technology (2 credits)	Practicum in Construction Management (3 credits) OR Construction Management (2 credits)
Recommended Electives	Art 1	Business Information Management	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> HVAC TECHNOLOGY	Principles of Architecture and Construction	HVAC & Refrigeration Technology	Adv. HVAC & Refrig. Technology (2 credits)	Practicum in Construction Management (3 credits)
Recommended Electives	Art 1	Business Information Management	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective

BUSINESS & INDUSTRY ENDORSEMENT		BUSINESS MANAGEMENT & ADMINISTRATION PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry / IPC	IPC / Physics / Chemistry / Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	ART 1	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences for your recommended four-year course outline.				
<input type="checkbox"/> BUSINESS MANAGEMENT	Principles of Business, Marketing, and Finance	Business Info. Mgmt.	Human Resources Management*	Practicum in Business Management (2 credits)
Recommended Electives		½ Global Business ½ Virtual Business	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> MARKETING	Principles of Business, Marketing, and Finance	Business Info. Mgmt.	Advertising and Sales Promotions*	Marketing Dynamics* (2 credits)
Recommended Electives		½ Retailing & E-tailing ½ Social Media Marketing	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> MEDICAL BILLING AND CODING	½ Principles of Health Science ½ Med. Terminology	Health Science	Pract. in Bus. Mgmt: Med. Bill & Coding (2 credits)	Other Health Science Practicum
Recommended Electives		Business Information Management	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Pathophysiology ½ Medical Microbiology ½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Anatomy & Physiology	Extracurricular or Recommended Elective

*Course will be available beginning with the 2017-2018 school year.

BUSINESS & INDUSTRY ENDORSEMENT		TECHNOLOGY PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry / IPC	IPC / Physics / Chemistry / Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	ART 1	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences for your recommended four-year course outline.				
<input type="checkbox"/> WEB DESIGN & PROGRAMMING	Principles of Information Technology	Web Technologies	Computer Programming	Adv. Computer Programming (2 credits)
Recommended Electives		Computer Science 1 Digital Interactive Media	Computer Science 2	AP Computer Science
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> ITSA ACADEMY	Principles of Info Technology	Networking	ITSA Year 1 at CTTC (3 credits)	ITSA Year 2 at CTTC (3 credits)
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> ANIMATION & GAME DESIGN	Principles of Information Technology	Digital Interactive Media	Animation (2 credits)	Advanced Animation (2 credits)
Recommended Electives	Art 1	Drawing 2	Drawing 3 Anatomy and Physiology	Drawing 4
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective

BUSINESS & INDUSTRY ENDORSEMENT		MANUFACTURING PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry / IPC	IPC / Physics / Chemistry / Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Fine Arts	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences for your recommended four-year course outline.				
<input type="checkbox"/> ADV TECH & MFG. ACADEMY (ATMA)	Principles of Manufacturing	Welding (2 credits)	ATMA Year 1 at CTTC (3 credits)	ATMA Year 2 at CTTC (3 credits)
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> WELDING TECHNOLOGY	Principles of Manufacturing	Welding (2 credits)	Advanced Welding (2 credits)	Practicum in Manufacturing (3 credits)
Recommended Electives	Art 1	Business Information Management	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective

BUSINESS & INDUSTRY ENDORSEMENT		MEDIA COMMUNICATIONS PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry / IPC	IPC / Physics / Chemistry / Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Fine Arts	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences for your recommended four-year course outline.				
<input type="checkbox"/> MATCAST MEDIA PRODUCTION	Principles of Media: Journalism	Audio Video Production: MATCAST 1	Adv. Audio Video Production: MATCAST 2 (2 credits)	Practicum in Graphic Design: MATCAST 3 (2 credits)
Recommended Electives		Business Information Management	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> NEWSPAPER	Principles of Media: Journalism	Graphic Design: Newspaper 1	Adv. Graphic Design: Newspaper 2 (2 credits)	Practicum in Graphic Design: Newspaper 3 (2 credits)
Recommended Electives		Business Information Management	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> YEARBOOK	Principles of Media: Journalism	Graphic Design: Yearbook 1	Adv. Graphic Design: Yearbook 2 (2 credits)	Practicum in Graphic Design: Yearbook 3 (2 credits)
Recommended Electives		Business Information Management	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective

PUBLIC SERVICES ENDORSEMENT		PUBLIC SERVICES PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry / IPC	IPC / Physics / Chemistry / Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Fine Arts	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences for your recommended four-year course outline.				
<input type="checkbox"/> PROFESSIONAL EDUCATOR	Principles of Education & Training	Human Growth and Development	Instructional Practices in Education & Training	Practicum in Education & Training (2 credits)
Recommended Electives		Business Information Management	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law Scientific Research and Design: Epidemiology
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> COSMETOLOGY	Principles of Human Services	Business Information Management	Cosmetology 1 (3 credits)	Cosmetology 2 (3 credits)
Recommended Electives		½ Retailing & E-tailing ½ Social Media Marketing	Advertising and Sales Promotions	½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> LAW ENFORCEMENT	Business Information Management	Principles of Law	Law Enforcement 1 Forensic Science	Law Enforcement 2
Recommended Electives		Human Growth and Development		½ Professional Comm. ½ Business Law
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	Extracurricular or Recommended Elective
<input type="checkbox"/> JROTC NAVAL SCIENCE	Naval Science 1	Naval Science 2	Naval Science 3	Naval Science 4
Recommended Electives		Business Information Management	Entrepreneurship OR ½ Dollars and Sense / ½ Banking and Financial Services	½ Professional Comm. ½ Business Law

PUBLIC SERVICES ENDORSEMENT		HEALTH SCIENCES PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry	Anatomy & Physiology	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Fine Arts	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences for your recommended four-year course outline.				
<input type="checkbox"/> HEALTH CARE BASICS	½ Principles of Health Science ½ Med. Terminology	Health Science	Pract. In Health Science: CNA (2 credits) OR	Pract. In Health Science: EMT (2 credits)
Recommended Electives		Human Growth & Development	Pract. in Bus. Mgmt: Med. Bill & Coding (2 credits)	Pract. In Health Science: Pharm Tech (2 credits)
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Anatomy & Physiology (Science credit)	½ Medical Microbiology ½ Pathophysiology
<input type="checkbox"/> PHARMACY TECHNOLOGY	½ Principles of Health Science ½ Med. Terminology	Health Science	Practicum In Health Science: CNA (2 credits) OR	Practicum In Health Science: Pharm Tech (2 credits)
Recommended Electives		Human Growth & Development	Practicum in Bus Management: Med. Bill & Coding (2 credits)	Practicum In Health Science: EMT (2 credits)
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Anatomy & Physiology	½ Medical Microbiology ½ Pathophysiology
<input type="checkbox"/> EMERGENCY MEDICAL TECHNOLOGY	½ Principles of Health Science ½ Med. Terminology	Health Science	Anatomy and Physiology	Pract. In Health Science: EMT (2 credits)
Recommended Electives		Human Growth & Development	Pract. in Bus. Mgmt: Med. Bill & Coding (2 credits)	Pract. In Health Science: Pharm Tech (2 credits)
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	½ Medical Microbiology ½ Pathophysiology

ARTS AND HUMANITIES ENDORSEMENT		FINE ARTS PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry / IPC	IPC / Physics / Chemistry / Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Fine Arts	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences below for your recommended 4-year course outline.				
<input type="checkbox"/> INSTRUMENTAL MUSIC: BAND	Percussion 1 Symphonic Band 1 Wind Symphony 1 Wind Ensemble 1 Instrumental Ens. 1	Percussion 2 Symphonic Band 2 Wind Symphony 2 Wind Ensemble 2 Instrumental Ensemble 2	Percussion 3 Symphonic Band 3 Wind Symphony 3 Wind Ensemble 3 Instrumental Ensemble 3	Percussion 4 Symphonic Band 4 Wind Symphony 4 Wind Ensemble 4 Instrumental Ensemble 4
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> INSTRUMENTAL MUSIC: MARIACHI	Mariachi Band 1	Mariachi Band 2	Mariachi Band 3	Mariachi Band 4
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> VOCAL MUSIC: CHOIR	Matador Choir 1 Non-Varsity Choir 1 Women's Choir 1	Matador Choir 2 Non-Varsity Choir 2 Women's Choir 2	Matador Choir 3 Non-Varsity Choir 3 Women's Choir 3	Matador Choir 4 Non-Varsity Choir 4 Women's Choir 4
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> DANCE	Dance Team Training 1 OR Dance Team 1 Color Guard 1	Dance Team 2 Color Guard 2	Dance Team 3 Color Guard 3	Dance Team 4 Color Guard 4
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> THEATRE PERFORMANCE	Theatre Arts 1	Adv. Theatre Arts 2 Theatre Production 1 Musical Theatre 1	Adv. Theatre Arts 3 Theatre Production 2 Musical Theatre 2	Adv. Theatre Arts 4 Theatre Production 3 Musical Theatre 3
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> TECHNICAL THEATRE	Theatre Arts 1	Technical Theatre 1	Adv. Technical Theatre 2	Adv. Technical Theatre 3
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> VISUAL ARTS	Art 1	Art 2 Drawing Art 2 Sculpture	Art 3 Drawing Art 3 Sculpture	Art 4 Drawing Art 4 Sculpture AP Studio Art
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective

ARTS AND HUMANITIES ENDORSEMENT		WORLD LANGUAGES PROGRAM		
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry / IPC	IPC / Physics / Chemistry / Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Fine Arts	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences below for your recommended 4-year course outline.				
<input type="checkbox"/> SPANISH	Spanish 1	Spanish 2	Spanish 3	Spanish 4 AP Spanish Language
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> FRENCH	French 1	French 2	French 3	French 4
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective

MULTI-DISCIPLINARY STUDIES ENDORSEMENT				
CORE CLASSES	9 th	10 th	11 th	12 th
ENGLISH	English I	English II	English III	English IV or 4 th English Credit
MATH	Algebra 1	Geometry	Algebra II	4 th Math Credit
SCIENCE	Biology	Chemistry / IPC	IPC / Physics / Chemistry / Elective Science	4 th Science Credit
SOCIAL STUDIES	World Geography	World History	US History	Economics (1/2) Government (1/2)
REQUIRED COURSES	Fine Arts	Spanish/French 1	Spanish/French 2	OTHER ELECTIVE
Select one (1) of the following sequences for your recommended four-year course outline.				
<input type="checkbox"/> GENERAL STUDIES	Student can qualify for a Multi-Disciplinary Studies Endorsement by taking four courses in each Core area, and completing all other Endorsement requirements			
Recommended Electives	These courses may be a part of the Advanced Placement (AP) Program, Dual Credit Program, or ECHS			
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective
<input type="checkbox"/> EARLY COLLEGE: ASSOCIATES DEGREE	Speech DC or Music DC	MAPS DC or Art Appreciation DC	Core DC and Elective DC (If TSI qualified)	Final Core DC and Elective DC (If TSI qualified)
Recommended Electives				
Extracurricular Program or Additional Electives	Required PE or Extracurricular	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective	Extracurricular or Recommended Elective

NOTES:

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