

Seguin Independent School District



Secondary Education Program

Course Catalog

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It is the policy of 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 amended.

SEGUIN ISD INFORMATION

Seguin ISD Vision Statement

Exceptional Students to Exceptional Citizens

Seguin ISD Mission Statement

To cultivate, inspire and empower students to grow and learn.

Seguin Independent School District

1221 E. Kingsbury Street

Seguin, TX 78155

830-372-5771

<http://www.seguinisd.net>

Seguin ISD Board of Trustees

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Peter Silvius, Director of Whole Child Initiatives

Seguin High School

1315 E. Cedar Street
 Seguin, TX 78155
 830-401-8000

Dr. Hector R. Esquivel, Principal
 Anna Lisa Garza, Director of Early College High School
 Chanda Bloch, Associate Principal
 Allison Gillentine, Academic Dean

Assistant Principals

Josh Peters
 Tori Beutnagel
 Tally Neal, Sr.
 Ryan Reynolds

Counselors

M'Liss Haas, Lead Counselor
 Connie Donsbach
 Natalie Austin
 Lilia Huerta
 Abigail Montes

<p>MBLC at Saegert 118 N. Bowie, St. Seguin, TX 78155 830-401-8690</p> <p>Jay Law, Principal Soledad Ramirez, Assistant Principal Gerard Rodriguez, Counselor</p>	<p>DAP at Saegert 118 N. Bowie, St. Seguin, TX 78155 830-379-1108</p> <p>Erma Freeman, Principal Rudy Herrera, Counselor</p>
<p>Briesemeister Middle School 1616 W. Court Seguin, TX 78155 830-379-0600</p> <p>Dr. James Diaz, Co-Principal Dr. Benjamin Grijalva, Co-Principal Robert Arriola, Lead Assistant Principal Rudy Gozalez, Assistant Principal Allison Pape, Academic Dean Sharon Feuge, Dean of Students Kimberli Johnson, Counselor Natalie McFadden, Counselor</p>	<p>Barnes Middle School 1539 Joe Carrillo Blvd. Seguin, TX 78155 830-379-4717</p> <p>Nikki Bittings, Principal Allison Seidenberger, Assistant Principal Luis Sosa, Assistant Principal Kristi Miranda, Academic Dean Jonathan Basha, Dean of Students Kelly Avriett, Counselor Deandra Vega, Counselor</p>

COURSE SELECTION PROCESS

Students must carefully plan their course selections. Students will receive specific instructions and assistance from school counselors during the scheduling process. However, it is important that students and parents give careful consideration to selecting appropriate courses.

Below are steps to consider during the course selection process:

Review the Course Catalog

Look over course descriptions and consider any prerequisites for courses of interest
 Select courses related to your future academic and career goals
 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.

Orientation of Courses

Attend student and parent presentations on course offerings
 Review the course selection sheet

Parent/Guardian Approval

A parent or guardian must sign the bottom of the course selection sheet
 Students will return the sheet to their school counselor, once complete

Online Course Selection

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

Please note the following:

- If there is insufficient enrollment for a course, the course may not be offered and one of the alternates listed on the student's course selection sheet will be used.
- Elective courses are scheduled based on teachers and sections available for the current school year.
- Electives may be replaced with intervention or remedial courses if a student demonstrates a need for targeted improvement.

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

MIDDLE SCHOOL PROGRAM

MIDDLE SCHOOL PLAN

Seguin ISD has two comprehensive middle schools: Barnes and Briesemeister Middle Schools that serve students in grades 6-8. The middle schools both operate on a seven period day with flex period for enrichment and intervention. The curriculum and programming is designed to prepare students for post secondary readiness and to exceed the requirements set forth by the Texas Education Agency. A middle school student's three-year plan for grades 6-8 is as follows:

6 th Grade	7 th Grade	8 th Grade
English Language Arts and Reading*	English Language Arts and Reading*	English Language Arts and Reading*
Mathematics*	Mathematics* / +Algebra I*	Mathematics* / +Algebra 1* / +Geometry*
Science*	Science*	Science*
Social Studies*	Social Studies*	Social Studies*
Physical Education	Physical Education/Athletics	Elective/Intervention
Matador Elective/Intervention	Elective/Intervention	Elective
Fine Arts or Elective	Fine Arts or Elective	Elective
* Courses available as Advanced +Courses for High School Credit STAAR/EOC Tested Subjects = Bold		

Elective Options			
PE/Athletics	Fine Arts	Languages Other Than English	Other Courses
Physical Education, Grades 6-8 Boys Athletics, Grades 7-8 Girls Athletics, Grades 7-8	Art, Levels 1-2 +HS Art I Band, Levels 1-3 Mariachi, Levels 1-3 Choir, Levels 1-3 Theatre Arts, Levels 1-3	+Spanish 1, Grades 7-8 +Spanish 1 for Native Speakers, Grades 7-8 +Spanish II, Grade 8 +Spanish II for Native Speakers, Grade 8	Leadership, Grade 6 Digital Citizenship, Grade 6 Intro to Fine Arts, Grade 6 AVID, Grades 7-8 Creative Expression, Grades 7-8 Multimedia Design, Grades 7-8 Service Learning, Grades 7-8 Intro to Computer Science, Grades 6-8 Tech Apps: Robotics, Grades 7-8 Broadcasting, Grade 8 Yearbook, Grade 8 +Principles of Agriculture +Principles of Construction +Principles of Health Science +Principles of Information Technology

Middle School State Assessments

In spring 2012, the State of Texas Assessments of Academic Readiness (STAAR®) replaced the Texas Assessment of Knowledge and Skills (TAKS). The STAAR program includes annual assessments for the following middle school subjects:

- 6th grade: Math and Reading
- 7th grade: Math, Reading and Writing
- 8th grade: Math, Reading, Science and Social Studies

NOTE: Students who take Algebra I in middle school will be required to take the Algebra I STAAR End-of-course assessment. Students who wish to accelerate their math instruction to complete Algebra I in Grade 8 must enroll in Grade 6 or Grade 7 Math Advanced - Due to the accelerated nature of these courses, students may need to devote additional time outside of the school day for studies and tutorials. Students who wish to accelerate their math instruction to complete Geometry in Grade 8 must successfully earn a score of 80% on a Credit-by-Exam for Grade 6 Math.

For more information on the STAAR state assessment program, visit the Texas Education Agency website at <http://tea.texas.gov/student.assessment/staar/>

Middle School Course Requirements

Middle school courses offered in Seguin ISD meet and exceed the requirements set forth by the Texas Education Agency. Below is additional information for specific course requirements as specified in the Texas Education Code.

- *College and Career Readiness Instruction Requirement*
In accordance with the Texas Education Code §28.016, beginning in Grade 6 information will be shared with students about college and career readiness, to include the following: high school personal graduation plans (PGPs), graduation requirements under the Distinguished Level of Achievement, endorsements, college readiness standards, and potential career choices and the education needed to enter those careers. In grade 8, all students are required to engage in college and career readiness lessons and activities which are embedded within the regular middle school program.
- *Fine Arts Requirement*
Chapter 74 of the Texas Education Code requires all middle school students to complete one fine arts course during grades 6, 7, or 8. Elective course offerings are dependent on staff and facilities availability at each middle school campus.
- *Physical Education Requirement*
In accordance with the Texas Education Code §28.002(l), all students in Kindergarten-Grade 8 must participate in at least 30 minutes of moderate to vigorous daily physical activity. A student in grade 6, 7, or 8 must complete 2 courses in physical education and/or athletics. Seguin ISD requires all students in Grade 6 to enroll in Physical Education.
- *Health Education Requirement*
19 Texas Administrative Code (TAC) §74.3(a) strengthened TEKS-based health education as a requirement for students in grades 6-8. School districts must provide health education instruction in the middle school as a part of a school district's required curriculum. Health education TEKS are embedded within the Grade 6 Physical Education course in Seguin ISD.

MIDDLE SCHOOL POSTSECONDARY READINESS

Advanced Level Courses

Advanced level courses are offered at the middle school level in English language Arts and Reading, Mathematics, Science, and Social Studies in grades 6-8. The purpose of an advanced course is to prepare students for skills they will need to engage in the level of work that will be experienced in an Advanced Placement (AP) or Dual Credit course. Advanced level courses are aligned to the state standards but are taught at a higher level of rigor and complexity.

High School Credit Opportunities

Students in middle school are provided with the opportunity to enroll in a variety of course offerings that provide for high school credit. These courses are identified on a student's transcript and will count toward fulfilling graduation requirements. High school courses completed at the middle school level are not calculated into a student's GPA and do not count toward rank determination. The courses in Seguin ISD available to middle school students include: Algebra I, Geometry I, Art I, Spanish I, Spanish I for Native Speakers, Spanish II, Spanish II for Native Speakers, Principles of Agriculture, Principles of Construction, Principles of Health Science, and Principles of Information Technology.

Gifted and Talented Program

The primary goal of the Gifted and Talented Program is to develop self-directed learners who are challenged in their area of giftedness. Seguin ISD provides services to gifted students who demonstrate need for differentiation in the areas of intellectual ability, academic areas, leadership, and creativity. The Gifted and Talented programming offered at the middle school level includes advanced interdisciplinary G/T Science courses, advanced core courses, and accelerated courses in mathematics, LOTE, Art, and CTE. Students also have opportunities to accelerate instruction through Credit by Exam. Opportunities outside of the school day include Saturday experiences, Science/History Fair, Designation Imagination, A+Academics/UIL, and other clubs/activities.

Career and Technical Education Program

The primary goal of the Seguin ISD Career and Technical Education (CTE) Program is to build a stronger set of skills for each student in preparing them for postsecondary success. Outcomes of the program include professional postsecondary degrees, applied and associate degrees, professional certification programs, industry-level certifications, and career-focused workforce training. The Seguin ISD CTE Program offers a variety of programs and course sequences that provide students coherent and rigorous content leading to a graduation endorsement. Middle School CTE course offerings include Principles of Agriculture, Principles of Construction, Principles of Health Science, and Principles of Information Technology.

Multilingual Program

The primary goal of the Multilingual Program is to enable students to become competent in literacy and academic skills in English and/or another language. An English as a Second Language (ESL) course provides students with instruction in the English language and cultivates bilingualism and biculturalism. Core and ESL teachers design instruction based on the student's learning experiences and integrate the English Language Proficiency Standards (ELPS). Languages Other than English (LOTE) provide opportunities for students to learn the foundations necessary to pursue bilingualism/biculturalism performance acknowledgements.

Special Services

Seguin ISD provides a continuum of alternative placements and services for students with disabilities. The district provides services with special education personnel on an itinerant, case manager support, resource setting, partially self-contained, and self-contained basis to students with disabilities in order to meet a student's special needs. Students with disabilities have available to them the variety of educational programs and services available to students without disabilities.

National Junior Honor Society

National Junior Honor Society (NJHS) is the nation's premier honor recognition program for middle school students. The pillars of NJHS include leadership, scholarship, character, citizenship, and service. Induction opportunities are available to 7th or 8th grade students who meet the charter requirements (specific to each campus).

A+ Academics/UII and Co/Extracurricular Opportunities

Middle School students have opportunities to become involved in a variety of co/extracurricular activities in the areas of dictionary, spelling, listening, mathematics, number sense, calculator, science, social studies, maps/graphs/charts, speech/theatre, band, choice, mariachi, art, writing, yearbook, one act play, science fair, national history day, robotics, STEM, and Destination Imagination.

Middle School Promotion Policy [EIE (LOCAL)]

In grades 6–8, promotion to the next grade level shall be based on an overall average of 70 on a scale of 100 based on course-level, grade-level standards (essential knowledge and skills) for all subject areas and a grade of 70 or above in language arts, mathematics, science, and social studies. Except when a student will be assessed in reading or mathematics above his or her enrolled grade level, students in grade 8 must meet the passing standard on the applicable state-mandated assessments in reading and mathematics to be promoted to the next grade level.

Middle School Schedule Changes

Should a schedule change 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.

HIGH SCHOOL PROGRAM

HIGH SCHOOL GRADUATION PLAN

The **Foundation High School Program** includes the following 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, Distinguished Level of Achievement, which is Seguin ISD's default plan

Foundation High School Program with Distinguished Level of Achievement <i>Credit requirements specific to at least one endorsement</i>	
4 credits English ELA I, II, III, IV (or advanced English)	2 credits Languages Other Than English
4 credits Mathematics Algebra I, Geometry, Algebra II, any authorized additional math course	1 credit Fine Arts
4 credits Science Biology; one credit in IPC, Chemistry or Physics; two credits in any additional science courses	1 credit Physical Education or PE Substitution
3 credits Social Studies World Geography, US History, Government (.5 credit), Economics (.5 credit) Seguin ISD recommends World History for all students	7 credits in electives including courses leading to completion of at least one Endorsement
Total: 26 credits	

Distinguished Level of 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. This is Seguin ISD's default graduation plan.

Note: Students may move to the Foundation Graduation Plan (22 credits) only after completing their sophomore year AND with parent or guardian written permission.

Endorsements

Students will be able to earn one or more endorsements as part of their graduation requirements. 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 a 4th credit of math and science and two additional elective credits. **Students can choose from 5 endorsement areas:**

STEM	Business/ Industry	Public Service	Arts & Humanities	Multidisciplinary Studies
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Performance Acknowledgements

Students may earn a Performance Acknowledgement on their transcript for outstanding performance on the following: Dual Credit Coursework, Bilingualism and Biliteracy, Advanced Placement (College Board) or International Baccalaureate Exams, PSAT, SAT, ACT-Aspire, or ACT, or State-recognized, nationally, or internationally recognized business or industry certification and/or license.

For more information on state graduation requirements, including endorsements, see the TEA Graduation Toolkit, available in English and Spanish, at this [link](https://tea.texas.gov/About_TEA/News_and_Multimedia/Brochures/TEA_Brochures)

[\[https://tea.texas.gov/About_TEA/News_and_Multimedia/Brochures/TEA_Brochures\]](https://tea.texas.gov/About_TEA/News_and_Multimedia/Brochures/TEA_Brochures)

A high school student's **FOUR-YEAR PLAN** for grades 9-12 is as follows:

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English 1*	English 2*	English 3** (DC)	English 4** (DC)
Algebra 1 or Geometry*	Geometry*or Algebra 2**	+Algebra 2* or Approved Additional Math Course	Approved Additional Math Course
Biology*	IPC or Chemistry*	Chemistry* or Physics*	+Approved Additional Science Course
World Geography*/**	World History**	US History**(DC)	Government**(DC)/ Economics**(DC)
Physical Education/ P.E. Substitution	Languages Other than English or Elective	Languages Other than English or Elective	Elective
CTE Elective or Fine Arts or Languages Other than English and/or AVID	Fine Arts or Elective	Elective	Endorsement Elective
CTE Elective or Fine Arts or Languages Other than English and/or AVID	Endorsement Elective and/or AVID	Endorsement Elective and/or AVID	Endorsement Elective and/or AVID
<i>Course Availability: *Advanced **Advanced Placement (DC)=Dual Credit</i>			
<i>+Required for Distinguished Level of Achievement</i>			

High School State Assessments and Postsecondary Readiness Tests

State Assessments: In spring 2012, the State of Texas Assessments of Academic Readiness (STAAR®) replaced the Texas Assessment of Knowledge and Skills (TAKS). In order to graduate from a Texas public high school, students must pass the State of Texas Assessments of Academic Readiness (STAAR®) end-of-course (EOC) assessment in the five courses listed below:

Algebra 1	Biology	English 1	English 2	US History
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If a student passes the course but does not pass the end-of-course (EOC) assessment, the student may take the test again. For more information on the STAAR state assessment program, visit the Texas Education Agency website at <https://tea.texas.gov/student.assessment/parents/>.

Post-Secondary Readiness Tests: Students may take the following additional post-secondary readiness tests. (Test names are hyper-linked to each testing agency's website for more information).

[Advanced Placement \(AP\) Exams](#)

- College Board AP Exams are given once in May for specific AP courses and students register in their AP classes.

[Texas Success Initiative Assessment \(TSI\)](#)

- This assessment is required for some dual credit courses.
- There is no charge to students, all costs incurred by Seguin ISD
- Students should sign up with their counselors in November

[American College Test \(ACT\)](#)

- The ACT is typically taken by Juniors and Seniors.
- Registration is required about four weeks in advance of each test date; register by mail or on-line
- Information is available in the counseling office.

[Scholastic Aptitude Test \(SAT\)](#)

- The SAT is typically taken by Juniors and Seniors.
- Registration is required about four weeks in advance of each test date; register by mail or on-line
- Information is available in the counseling office.

[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.
- There is no cost to the student, all costs incurred by Seguin ISD.
- Students should sign up with their counselors in September.

[Armed Services Vocational Aptitude Battery \(ASVAB\)](#)

- This assessment is given in grades 10-12. All students are eligible to take this test, which is usually offered during the fall semester.
- This exam is offered free of charge, each semester. Students should sign up with their counselors.

Endorsement and Career and Technical Education (CTE) Program Options

The chart below shows the graduation endorsements available at Seguin High School. Students can complete course sequences through various CTE programs or content areas, such as Fine Arts and Languages Other Than English. Additionally, this chart identifies CTE sequences that can lead to a certification.

Endorsement	Career Cluster	Sequence	Certification(s)
STEM	STEM	Engineering	Certified SolidWorks Associate (CSWA)
Business & Industry	AG	Animal Science	Certified Veterinarian Assistant, Level 1
	AG	Environmental and Natural Resources	Feed Yard Technician in Cattle Care and Handling
	AG	Plant Science	Texas State Floral Association Floral Skills Knowledge Based Certification
	ARTS & AV	Digital Communications	Adobe Certified Associate (ACA) - Premiere Pro (Digital Video using Adobe Premiere Pro)
	ARTS & AV	Design and Multimedia Arts	Adobe Certified Associate (ACA) - Creative Cloud (Photoshop, Illustrator, InDesign, Premiere Pro, and Animate)
	BUS	Business Management	Microsoft Office Specialist Word
			Microsoft Office Specialist Excel
	BUS	Marketing and Sales	Microsoft Office Specialist Word
			Microsoft Office Specialist Excel
	CONS	Construction Management and Inspection	OSHA 30 Hour Construction
			NCCER Core Curriculum
			NCCER Construction Site Safety Technician (CSST)
	CONS	Electrical	OSHA 30 Hour Construction
			NCCER Core Curriculum
			NCCER Electrical, Level 1
CONS	HVAC and Sheet Metal	OSHA 30 Hour Construction	
		NCCER Core Curriculum	
		NCCER HVAC, Level 1	
IT	Networking Systems	CompTIA IT Fundamentals+	

			CompTIA Network+
			CompTIA A+ Certification
	IT	Web Development	CompTIA IT Fundamentals+
			CompTIA Network+
			CompTIA A+ Certification
	MANU	Welding	AWS D1.1 Structural Steel AWS SENSE Welding Level 1 NCCER Welding, Level 1
Public Service	COS	Cosmetology	Cosmetology Operator License
	EDU	Teaching and Training	
	HEALTH SCI	Healthcare Therapeutic Services (Pharm Tech)	Certified Pharmacy Technician
	HEALTH SCI	Healthcare Therapeutic Services (CNA)	Certified Nurse Aide/Assistant (CNA)
	LAW	Law Enforcement	
Arts and Humanities	FINE ARTS	Instrumental Music: Band Instrumental Music: Mariachi Vocal Music: Choir Dance Theatre Production Technical Theatre Visual Arts	
	LOTE	Spanish French	
Multidisciplinary Studies	GEN STUDIES	4x4 Core Curriculum Advanced Studies (AP/DC)	
	EARLY COLLEGE	Early College Program	Associate Degree

Career and Technical Education (CTE) Program Elective Four-Year Sequences

The Texas Education Agency Division of College, Career, and Military Preparation has engaged members of the workforce, secondary education, and higher education to advise on the development of programs of study, including coherent sequences of courses, industry-based certifications, and work-based learning to ensure students are prepared for in-demand, high-skill, high-wage careers in Texas. The proposed programs of study go into effect for the 2020-2021 school year and will allow Texas to meet the federal program approval requirements within the Strengthening CTE for the 21st Century Act (Perkins V).

The charts below show the four-year sequence of courses for each endorsement available at Seguin High School. **Students MUST complete the sequence of courses listed in order to earn the endorsement.** Course descriptions for all courses listed below can be found on the Seguin ISD website.

STEM	SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Engineering	Principles of Applied Engineering	Engineering Design & Presentation I	Engineering Design & Problem Solving	Practicum in Science, Technology, Engineering, and Mathematics

BUSINESS & INDUSTRY	AGRICULTURE, FOOD, AND NATURAL RESOURCES			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Animal Science	Principles of Agriculture, Food, and Natural Resources	Livestock Production	Advanced Animal Science OR Veterinary Medical Applications	Practicum in Agriculture, Food, and Natural Resources
Environmental and Natural Resources	Principles of Agriculture, Food, and Natural Resources	Wildlife, Fisheries, and Ecology Management	Range Ecology and Management	Practicum in Agriculture, Food, and Natural Resources
Plant Science	Principles of Agriculture, Food, and Natural Resources	Horticulture Science	Floral Design	Practicum in Agriculture, Food, and Natural Resources

BUSINESS & INDUSTRY	ARTS, AUDIO VIDEO TECHNOLOGY, AND COMMUNICATIONS			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Digital Comm	Principles of Arts, A/V Technology, and Communications	Audio/Video Production I	Audio Video Production II	Practicum in Audio/Video Production
Design and Multimedia Arts	Principles of Arts, A/V Technology, and Communications	Graphic Design and Illustration I	Graphic Design and Illustration II	Practicum in Graphic Design and Illustration
	Principles of Arts, A/V Technology, and Communications	Animation I	Animation II	Practicum in Animation
	Principles of Arts, A/V Technology, and Communications	Digital Media	Game Programming and Design	Practicum in Animation

BUSINESS & INDUSTRY	BUSINESS, MARKETING, AND FINANCE			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Business Management	Business Information Management I	Human Resource Management and	Business Management	Practicum in Business Management
		Virtual Business		
Marketing and Sales	Business Information Management I	Human Resource Management and	Sports and Entertainment Marketing AND	Practicum in Marketing
		Virtual Business	Social Media Marketing	

BUSINESS & INDUSTRY	CONSTRUCTION TRADES			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Construction Management and Inspection	Principles of Construction	Construction Management I	Construction Management II	Practicum in Construction Management
Electrical	Principles of Construction	Electrical Technology I	Electrical Technology II	Practicum in Construction Technology
HVAC and Sheet Metal	Principles of Construction	HVAC and Refrigeration Technology I	HVAC and Refrigeration Technology II	Practicum in Construction Technology

BUSINESS & INDUSTRY	INFORMATION TECHNOLOGY			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Networking Systems	AP Computer Science Principles	Computer Science I	Networking	Practicum in Information Technology
Web Development	Web Technologies	Computer Programming I	Web Game Development	Practicum in Information Technology

BUSINESS & INDUSTRY	WELDING			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Welding	Introduction to Welding	Welding I	Welding II	Practicum in Manufacturing

PUBLIC SERVICE	COSMETOLOGY			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Cosmetology	Principles of Cosmetology Design and Color Theory	Introductions to Cosmetology	Cosmetology I	Cosmetology II

PUBLIC SERVICE	EDUCATION AND TRAINING			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Teaching and Training	Principles of Education and Training	Human Growth and Development	Instructional Practices	Practicum in Education and Training

PUBLIC SERVICE	HEALTH SCIENCE			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Healthcare Therapeutic Services (Pharm Tech)	Principles of Health Science	Medical Terminology	Pharmacology	Practicum in Health Science (Pharm Tech)
Healthcare Therapeutic Services (CNA)	Principles of Health Science	Medical Terminology	Health Science Theory	Practicum in Health Science (CNA)

PUBLIC SERVICE	LAW ENFORCEMENT			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
Law Enforcement	Principles of Law, Public Safety, Corrections, and Security	Criminal Investigations	Law Enforcement I	Law Enforcement II

Seguin ISD Early College High School (ECHS)

In January 2014, the Seguin Independent School District and Alamo Colleges – St. Philip’s College jointly established the Seguin Early College High School (ECHS). This “College-for-All” model provides a comprehensive plan that is 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.



As a TEA (Texas Education Agency) designated Early College High School, we seek to recruit students of underrepresented backgrounds in an effort to increase opportunities for post-secondary success; however, we encourage students of all backgrounds to apply.

- Students interested in the Associate Degree pathway must begin this plan freshman year.
- Seguin ISD provides an ECHS Summer Bridge Program that is open to all students, **but is required for Associate Degree students.**

Parent and student presentations are held at each middle school during the spring semester of the student’s Grade 8 year. All eighth graders also have the opportunity to visit Seguin ISD’s college partner, St. Philip’s College, in San Antonio.

For more information, see the school counselor or visit the Seguin Early College High School [website](http://www.seguin.k12.tx.us/page/echs2.new) [<http://www.seguin.k12.tx.us/page/echs2.new>].

Advancement Via Individual Determination (AVID)

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



The mission of the AVID program 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. For more information regarding AVID, please visit the [AVID website](#).

Beginning in grade 9, all Associate Degree students are enrolled in the AVID elective class as part of the Seguin Early College High School program, however **all** students are welcome to enroll. AVID is also available as an elective class for students in grades 7 and 8. AVID students receive the academic, social, and emotional support that will help them succeed in their school’s most rigorous courses.

Primary components of the AVID Elective Course are:

- **Academic Success:** Students will receive instruction on note-taking, time-management, organization skills, and study skills. Students will also participate in weekly grade monitoring.
- **College & Career Exploration/Application:** Students will participate in college and career exploration activities as well as receive support for post-secondary applications, financial aid, and scholarships.
- **Tutorial Support:** Students will receive two hours per week of academic support in study groups facilitated by college tutors.

Beginning in grade 9, all Associate Degree Pathway students are enrolled in AVID classes at Seguin Early College High School. AVID is also available as an elective class for students in grades 7 and 8.

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

The mission of the AVID program 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.

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 earn college-level credit while at the same time fulfilling high school academic requirements. Seguin High School has dual credit courses available through St. Philip's College, the Alamo Colleges Central Texas Technology Center (CTTC), and Texas Lutheran University (TLU). Some of these courses are offered on the Seguin High School campus, while some are offered at the college campus.

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 required minimum number of students. **Students must meet enrollment requirements for the participating college in order to sign up for the class.** 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.

Students interested in taking a dual credit course(s) over the summer must complete and submit the SHS Course Request Approval form to Mrs. Garza, Director of ECHS, by March 1st. Forms are available from the student's counselor and/or Mrs. Garza.

Texas Lutheran University (TLU)

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

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 IV, 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.

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.

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 2019-2020 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	Weight
AP/Dual Credit	Multiplied by 1.10
Pre-AP/	Multiplied by 1.05
Regular	Multiplied by 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 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, 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.

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 Academics Course Student Agreements are applicable for all weighted courses.

Students who participate in advanced academic courses must complete an Advanced Academics 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; and
- increase advanced content area vocabulary.

For more information about the Advanced Level Course Agreements and/or to see a sample agreement please contact a school counselor.

Advanced Placement (AP) Courses

Advanced Placement courses are offered in many content areas and can be found within each core course listing. They provide students with a rigorous course of study that mirrors the complexity and level of depth that students will encounter in post-secondary institutions. The curriculum is approved by the College Board and will prepare students to sit for AP exams in which they will have the opportunity to demonstrate college-level performance and potentially earn college credits. Students taking these courses are required to take the AP exams that are offered in the spring. There are additional exam fees paid independently by the student to the College Board. Seguin ISD is committed to working with all students and their families to provide fee reduction and/or waiver opportunities, as applicable. Students can visit the College Board website or visit with their counselor to learn more about the score requirements and credit awarding at different colleges and institutions.

Any student in 9th – 12th grades may enroll in an advanced academics course as long as the student and the parents are willing to commit to the program. Seguin ISD encourages students to enroll in advanced coursework in order to provide rigorous learning experiences that help to prepare all students for postsecondary readiness and for success in attaining College, Career, and Military Readiness (CCMR) indicators.

Students should carefully select the number of advanced courses for which he/she enrolls in order to ensure balance of life, home, school, and extracurricular activities. 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/page/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 in one or more of the following areas: intellectual ability, content areas, leadership, or creativity.

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 advanced and Advanced Placement courses from a teacher who has completed the state required training in the nature and needs of gifted learners. 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/>. Extra-curricular and Co-curricular opportunities are also provided for students including Destination ImagiNation, UIL activities, Science Fair, and leadership experiences.

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.

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, please visit <http://www.seguin.k12.tx.us/page/ci.accelerationexams>.

Seguin ISD Early College High School (ECHS) Academic Policies

The following 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/>.

St. Philip's College (SPC) Grading Scale: SPC Instructors assign a final letter grade at the end of the semester based on the grade scale listed below:

A: 90% - 100% B: 80% - 89% C: 70% - 79% D: 60% - 69% F: Below 60%

I: Passing, but did not complete all required work (one unit test or the final examination, for example). (Students must complete work within 120 days, or the grade will be changed to an F.)

Seguin ISD Grade Conversion chart for letter grades submitted by St. Philip's College instructors:

A = 95	B = 85	C = 77	D = 72	F = 69
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Physical Education Requirements

The physical education curriculum operates under specific state (Texas Education Code 28.002) and local guidelines, outlined below:

- Each student is required to complete one (1.0) credit of physical education to meet State graduation requirements.
- General Physical Education courses may be taken only once and students may be enrolled in only one Physical Education course per semester.
- Physical Education substitutions allow a student to use approved physical activities to meet the state physical education graduation requirement.
- Courses that are substituted for physical education may NOT also be counted to meet other graduation requirements
- All students must be assessed on their physical fitness based on their Physical Education Classification using the FITNESSGRAM Assessment.

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 (UIL). Participation requires approval of the head coach of the respective sport(s), parent permission, a physical examination by a licensed physician, and maintenance of a satisfactory academic record.

Cheerleading

Cheerleaders perform at most sporting events and represent SHS in competition with other 5A schools. Parent permission and fees of approximately \$600 are required. Students may earn 1.0 credit of PE Substitution Cheerleading to meet State graduation requirements. Additional credits can count as fine arts credit (dependent upon the teacher of record certification) or as elective credit.

Sports Medicine Courses

Sports Medicine courses do NOT count as the physical education requirement for State graduation.

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.

Career and Technical Education

The Seguin ISD Career and Technical Education (CTE) Department offers multiple programs and course sequences that provide students coherent and rigorous content leading to a graduation endorsement. CTE Programs are designed to build a stronger set of skills for each student preparing them for a diverse set of outcomes ranging from professional post-secondary degrees to career-focused workforce training. The CTE programs are designed to be hands-on and industry driven, leading to practical applications. Each CTE program leads to three possible graduation endorsements.

Please visit <http://www.seguin.k12.tx.us/page/cte.home> for more information about the Seguin ISD CTE Department.

Flexible School Day (FSD)

The Flexible School Day Program (FSD) allows districts to provide flexible hours and days of attendance for students who meet at least one of the following requirements, as established by Texas Education Code:

- will be denied credit for one or more classes due to attendance requirements
- at risk of dropping out of school

In order to be accepted into the Flexible School Day Program a student must meet program requirements, submit an application, and receive Principal approval. The program is self-paced and students are required to complete at least half a credit in 6 weeks or less. Students who do not complete the half credit by 6 weeks will go for review and possibly lose all course work completed up to date. For more information or application, students should make an appointment with their grade level Counselor.

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. For more information on how to apply, students should make an appointment with their grade level Counselor.

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 Matador Special Services Department website at <http://www.seguin.k12.tx.us/page/specialeducation.home>.

HIGH SCHOOL COURSE OFFERINGS

This section contains a list of all courses offered at Seguin High School, organized by content area. Course descriptions for all courses are listed in the Course Description section of this catalog.

DUAL CREDIT

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 Assessment (TSIA) scores required to enroll in the course. Please note: All of the below scores are subject to change for spring 2021 due to the new TSIA2 test scores that go into effect September 1, 2020. New scores are still not published but will be released in March 2020. The new scores that go into effect in September 2020 will be applicable for dual credit courses in Spring 2021 and beyond.

TSIA PASSING STANDARDS:

Reading College Ready Score = 351	Writing College Ready Score = A score on Writing multiple choice placement test of 340 to 390 <u>AND</u> a WritePlacer essay score of 4 to 8	Math College Ready Score = 350
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SHS Course and Code	High School Credit	College Course	College Credit Hours	Required TSIA Reading Score	Required TSIA Writing and/or Essay Score	Required TSIA Math Score
Art I: Art Appreciation (0513) -Grades 10-12	1.0	ART 1301: Art Appreciation	3	Placement score of 351 OR 310 or higher with ABE score 3 or higher	Essay score of 4 or higher plus 340 OR higher on Placement OR 310 or higher with ABE 3 or higher	No Minimum Score Required
MAPS I Methodology of Academic & Personal Success (4121) -Grades 10-12	0.5	EDUC 1300: Learning Framework (ECHS ONLY)	3	Placement score of 351 OR 310 or higher with ABE score 3 or higher	Essay score of 4 or higher plus 340 OR higher on Placement OR 310 or higher with ABE 3 or higher	No Minimum Score Required
Independent Study in Math 1 (YR): College Algebra (2068) -Grades 11-12	1.0	MATH 1314: College Algebra	3	351	340 w/Essay 4 or Essay 5 or higher	350

Independent Study in Math 1 or 2 (YR): College Algebra Pre-calculus (2070/2071) -Grades 11-12	1.0	MATH 1414 & MATH 2412: College Algebra Pre-Calculus	8	351	340 w/Essay 4 or Essay 5 or higher	350
Scientific Research and Design: Biology (3144) -Grades 11-12	1.0	BIOL 1406 & 1407: Biology for Science Majors I & II	8	351	340 w/Essay 4 or Essay 5 or higher	343
Anatomy & Physiology (YR) (3031) -Grade 12	1.0	BIOL 2401 & 2402: Human Anatomy & Physiology I & II	8	351	340 w/Essay 4 or Essay 5 or higher	343
Psychology (4128) -Grades 11-12	0.5	PSYC 2301: General Psychology	3	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
Special Topics in Social Studies: Social Psychology (4086) -Grades 11-12	0.5	PSYC 2319: Social Psychology	3	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
Music Appreciation (7317) -Grades 9-12	1.0	MUSI 1306: Music Appreciation	3	No minimum score required, but must take all 3 parts	No minimum score required, but must take all 3 parts	No minimum score required, but must take all 3 parts
English 3 (1080) -Grade 11	1.0	ENGL 1301 & 1302: Composition I & II	6	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
English 4 (1199) -Grade 12	1.0	ENGL 2322 & 2323: British Lit. I & II	6	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required

US Government (4198) -Grade 12	0.5	GOVT 2305: Federal Government	3	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
Social Studies Research Methods: Texas Government (4081) -Grade 12	0.5	GOVT 2306: Texas Government	3	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
Economics with Emphasis on the Free Enterprise System and its Benefits (4199) -Grade 12	0.5	ECON 2301: Principles of Macroeconomics	3	351	340 w/Essay 4 or Essay 5 or higher	343
US History (4190) -Grade 11	1	HIST 1301 & 1302: US History I & II	6	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
Special Topics in Social Studies: World Civilization -Grade 12	1	HIST 2321 & 2322: World Civilization I & II	6	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
Communication Applications (1910) -Grades 9-12	0.5	SPCH 1311: Intro to Speech Communication	3	Placement score of 351 OR 310 or higher with ABE score 3 or higher	Essay score of 4 or higher plus 340 or higher on Placement OR 310 or higher with ABE 3 or higher	No Minimum Score Required
Spanish III (1577) -Grades: 10-12	1.0	SPAN 1411 & 1412: Elementary Spanish I & II	8	No minimum score required, but must take all 3 parts	No minimum score required, but must take all 3 parts	No minimum score required, but must take all 3 parts
Spanish IV (1591) -Grades: 10-12	1.0	SPAN 2311 & 2312: Int. Spanish I & II	6	Must have successfully completed/passed SPAN 1411 & 1412.		

ENGLISH LANGUAGE ARTS AND READING

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
English 1	1002	9	1.0	Year	
English 1 Advanced	1009	9	1.0	Year	
English 1 SIM	1002H	9	1.0	Year	Committee approval
English 1	1002A	9	1.0	Year	Committee approval
English 2	1022	10	1.0	Year	
English 2 Advanced	1029	10	1.0	Year	
English 2 SIM	1022H	10	1.0	Year	English 1 SIM
English 2	1022A	10	1.0	Year	Committee approval
English 3	1052	11	1.0	Year	
English 3 Advanced Placement	1069	11	1.0	Year	
English 3 Dual Credit	1080	11	1.0	Year	TSI requirements
English 4	1082	12	1.0	Year	
English 4 Advanced Placement	1099	12	1.0	Year	
English 4 Dual Credit	1199	12	1.0	Year	TSI requirements
College Prep ELA	1090	12	1.0	Year	TSI requirements
Reading Seminar 1	1618	9-10	1.0	Year	Committee approval
Communications Applications Dual Credit	1910	9-12	0.5	Semester	TSI requirements
Debate 1	1812	10-12	1.0	Year	
Debate 2	1813	10-12	1.0	Year	
Debate 3	1814	10-12	1.0	Year	
Literary Genres: Mythology	1760	11-12	0.5	Semester	
Literary Genres: Bible as Literature	1765	11-12	0.5	Semester	
English 1 Speakers of Other Languages (ESOL)	1011	9	1.0	Year	Committee approval
English 1 Speakers of Other Languages (ESOL)	1011A	9	1.0	Year	Committee approval
English 2 Speakers of Other Languages (ESOL)	1031	10	1.0	Year	Committee approval
English 2 Speakers of Other Languages (ESOL)	1031A	10	1.0	Year	Committee approval
NELD A	1565	9	1.0	Semester	Committee approval
NELD B	1566	10	1.0	Semester	Committee approval
Reading ESOL 2	1611	10	1.0	Year	Committee approval

MATHEMATICS

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
Algebra 1	2003	9-12	1.0	Year	
Algebra 1	2003A	9-12	1.0	Year	Committee approval
Geometry	2023	9-12	1.0	Year	Algebra 1
Geometry Advanced	2029	9-12	1.0	Year	Algebra 1
Algebra 2	2053	9-12	1.0	Year	Algebra 1
Algebra 2 Advanced	2059	9-12	1.0	Year	Algebra 1
Math Models	2061	11-12	1.0	Year	Algebra 1
Advanced Quantitative Reasoning (AQR)	2018	11-12	1.0	Year	Algebra 1 and Geometry
Precalculus	2062	11-12	1.0	Year	Algebra 1, Geometry and Algebra 2
Precalculus Advanced	2064	11-12	1.0	Year	Algebra 1, Geometry and Algebra 2
Calculus AB Advanced Placement	2099	11-12	1.0	Year	Precalculus
Statistics Advanced Placement	2098	11-12	1.0	Year	
Computer Science A Advanced Placement	2122	11-12	1.0	Year	Algebra 2 or co-enrollment in Algebra 2
Indep. Studies in Math 1 (YR) Dual Credit: College Algebra	2068	11-12	1.0	Year	Algebra 2, TSI requirements
Indep. Studies in Math 1 or 2 (YR) Dual Credit: Precalculus	2070/ 2071	11-12	1.0	Year	Algebra 2, TSI requirements
Math College Prep	2090	12	1.0	Year	TSI requirements
Algebraic Reasoning	2007	9-12	1.0	Year	Algebra 1

SCIENCE

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
Integrated Physics and Chemistry (IPC)	3022	9-10	1.0	Year	
Biology	3002	9-12	1.0	Year	
Biology Advanced	3009	9-12	1.0	Year	
Biology	3002A	9-12	1.0	Year	Committee approval
Chemistry	3042	10-12	1.0	Year	Biology, Algebra 1, Geometry
Chemistry Advanced	3049	10-12	1.0	Year	Biology, Algebra 1, Geometry
Physics	3072	11-12	1.0	Year	Algebra 2 or co-enrollment in Algebra 2
Physics Advanced	3079	11-12	1.0	Year	Algebra 2 or co-enrollment in Algebra 2
Chemistry Advanced Placement	3069	11-12	1.0	Year	Chemistry, Algebra 2
Biology Advanced Placement	3001	11-12	1.0	Year	Biology or Chemistry
Earth Space Science	3004	11-12	1.0	Year	Three units of science and three units of math
Environmental Systems	3023	11-12	1.0	Year	Biology, Chemistry/Physics or IPC
Environmental Science Advanced Placement	3025	11-12	1.0	Year	Algebra 1, one year life science and one year physical science
Anatomy & Physiology	80831	11-12	1.0	Year	Biology, Chemistry
Medical Microbiology	3024	11-12	1.0	Year	Biology, Chemistry
Pathophysiology	3026	11-12	1.0	Year	Biology, Chemistry
Forensic Science	81223	11-12	1.0	Year	Biology, Chemistry
Scientific Research & Design Biology for Science Majors Dual Credit	3144	11-12	1.0	Year	One year of high school science, TSI requirements
Anatomy & Physiology (YR) Dual Credit	3031	12	1.0	Year	TSI requirements

SOCIAL STUDIES

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
World Geography	4022	9	1.0	Year	
World Geography Advanced	4029	9	1.0	Year	
Human Geography Advanced Placement	4023	9	1.0	Year	
World History	4032	10	1.0	Year	
World History Advanced Placement	4039	10	1.0	Year	
US History	4002	11	1.0	Year	
US History	4002A	11	1.0	Year	Committee approval
US History Dual Credit	4190	11	1.0	Year	TSI requirements
US History Advanced Placement	4019	11	1.0	Year	
US Government	4052	12	0.5	Semester	
US Government Dual Credit	4198	12	0.5	Semester	TSI requirements
US Government Advanced Placement	4069	12	0.5	Semester	
Economics	4072	12	0.5	Semester	
Economics Dual Credit	4199	12	0.5	Semester	TSI requirements
Macroeconomics Advanced Placement	4092	12	0.5	Semester	
Psychology	4125	11-12	0.5	Semester	
Psychology Advanced Placement	4126	11-12	1.0	Year	
Psychology Dual Credit	4128	11-12	0.5	Semester	TSI requirements
Sociology	4124	11-12	0.5	Semester	
Personal Financial Literacy	4123	10-12	0.5	Semester	
Special Topics in Social Studies 1 Dual Credit: Social Psychology	4086	11-12	0.5	Semester	TSI requirements
Social Studies Research Methods 1 Dual Credit: TX Government	4081	12	0.5	Semester	TSI requirements
Special Topics in Social Studies 1 and 2 Dual Credit: World Civilization I /II	4087DC, 4088 DC	12	1.0	Year	TSI requirements

PHYSICAL EDUCATION, ATHLETICS, AND SPORTS MEDICINE

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
Foundations of Personal Fitness: Cross Training	5003	9-12	0.5	Semester	
PARTNERS IN PE: Foundations of Personal Fitness: Cross Training	5003P	9-12	0.5	Semester	Peer mentoring; coach approval required
Individual Sports	5006	9-12	0.5	Semester	
PARTNERS IN PE: Individual Sports	5006P	9-12	0.5	Semester	Peer mentoring; coach approval required
Adventure/Outdoor Education	5115	10-12	1.0	Year	Parent permission
Tennis I-IV	5226, 5236, 5286, 5296	9-12	1.0	Year	Head coach approval
Cross Country I-IV	5213, 5253, 5263, 5273	9-12	1.0	Year	Head coach approval
Golf I-IV	5214, 5254, 5264, 5274	9-12	1.0	Year	Head coach approval
Boys Soccer I-IV	5215, 5255, 5265, 5275	9-12	1.0	Year	Head coach approval
Girls Soccer I-IV	5216, 5256, 5266, 5276	9-12	1.0	Year	Head coach approval
Baseball I-IV	5212, 5252, 5262, 5272	9-12	1.0	Year	Head coach approval
Softball I-IV	5210, 5220, 5230, 5250	9-12	1.0	Year	Head coach approval
Football I-IV	5222, 5227, 5242, 5292	9-12	1.0	Year	Head coach approval
Volleyball I-IV	5223, 5233, 5243, 5293	9-12	1.0	Year	Head coach approval
Boys Basketball I-IV	5224, 5234, 5244, 5294	9-12	1.0	Year	Head coach approval
Girls Basketball I-IV	5225, 5235, 5245, 5295	9-12	1.0	Year	Head coach approval
Freshman Cheerleading	5306	9	1.0	Year	Selected by panel of judges
JV Cheerleading	5305	10-11	1.0	Year	Selected by panel of judges
Varsity Cheerleading	5304	11-12	1.0	Year	Selected by panel of judges
Sports Medicine I	5246	10-12	1.0	Year	Athletic Trainer approval
Sports Medicine II-III	5247, 5248	10-12	1.0	Year	Sports Medicine I, II

NAVAL JUNIOR ROTC (NJROTC)

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
Naval Science I	5401	9	1.0	Year	
Naval Science II	5402	10	1.0	Year	Two years in JROTC or Naval Science I
Naval Science III	5403	11	1.0	Year	Two years in JROTC or Naval Science II
Naval Science IV	5404	12	1.0	Year	Two years in JROTC or Naval Science III, or permission from Instructor

LANGUAGES OTHER THAN ENGLISH (LOTE)

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
French I	1502	9-12	1.0	Year	
French II	1512	9-12	1.0	Year	French I
French III	1519	9-12	1.0	Year	French II
French IV	1520	9-12	1.0	Year	French III
Spanish I	1562	9-12	1.0	Year	
Spanish II	1573	9-12	1.0	Year	Spanish I
Spanish II Advanced	1574	9-12	1.0	Year	Spanish II
Spanish III	1579	9-12	1.0	Year	Spanish II
Spanish III Dual Credit	1577	10-12	1.0	Year	Spanish II, TSI requirements
Spanish IV	1599	9-12	1.0	Year	Spanish III
Spanish IV Dual Credit	1591	10-12	1.0	Year	DC Spanish III & TSI requirements
Spanish Language & Culture AP	1598	9-12	1.0	Year	Three credits in Spanish
Computer Science A AP	2122	10-12	2.0	Year	Computer Science Principles

FINE ARTS

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
Visual Arts					
Art I	7102	9-12	1.0	Year	
Art Appreciation I Dual Credit	0513	10-12	1.0	Semester	TSI requirements
Art II Drawing	7122	10-12	1.0	Year	Art I
Art II Sculpture	7124	10-12	1.0	Year	Art I
Art II Ceramics	7125	10-12	1.0	Year	Art I
Art III Drawing	7152	10-12	1.0	Year	Art II Drawing
Art III Sculpture	7154	11-12	1.0	Year	Art II Sculpture
Art IV Drawing	7182	11-12	1.0	Year	Art III Drawing
Art IV Sculpture	7184	12	1.0	Year	Art III Drawing
Art History AP	7199	10-12	1.0	Year	
AP Studio Art: Drawing	7189	11-12	1.0	Year	Art II
Studio Art: 2-D Design AP	7186	11-12	1.0	Year	Art II
Studio Art: 3-D Design AP	7187	11-12	1.0	Year	Art II
Theatre Arts					
Theatre Art I	7203	9-12	1.0	Year	
Advanced Theatre Arts II	7204	10-12	1.0	Year	Theatre Arts I
Advanced Theatre Arts III	7205	10-12	1.0	Year	Audition, Theatre Arts II
Advanced Theatre Arts IV	7206	10-12	1.0	Year	Audition, Theatre Arts II
Musical Theatre I-III	7212, 7213, 7214	10-12	1.0	Year	Audition, Theatre Arts I
Technical Theatre I	7207	10-12	1.0	Year	Audition, Theatre Arts I
Advanced Technical Theatre II-IV	7208, 7209, 7210	10-12	1.0	Year	Audition, Technical Theatre I
Theatre Production I-III	7215, 7216, 7217	10-12	1.0	Year	Audition
Dance					
Dance I-II	7007, 5301	9-12	1.0	Year	
World Dance Forms I	5110	9-12	1.0	Year	
Dance Team Training	7009	9-12	1.0	Year	
Dance Team I-IV	5112, 5307, 5308, 5309	9-12	1.0	Year	Audition

Choral Music					
Matador Choir I-IV	7303, 7304, 7305, 7306	9-12	1.0	Year	Audition, interview
Non Varsity Choir I-IV	7381, 7382, 7384, 7385	9-12	1.0	Year	Audition, interview
Women's Choir I-IV	7307, 7308, 7309, 7335	9-12	1.0	Year	Audition, interview
Music Theory Advanced Placement	7301	10-12	1.0	Year	Prior music experience and interview
Music Appreciation Dual Credit	7317	9-12	1.0	Semester	TSI requirements
Music Composition I	7224	9-12	1.0	Year	
Music Composition II	7225	10-12	1.0	Year	
Instrumental Music					
Wind Ensemble I-IV	7341, 7342, 7343, 7344	9-12	1.0	Year	Audition
Wind Symphony I-IV	7331, 7332, 7333, 7334	9-12	1.0	Year	Audition
Symphonic Band I-IV	7312, 7322, 7323, 7324	9-12	1.0	Year	Audition
Concert Band I-IV	7390, 7391, 7392, 7393	9-12	1.0	Year	Audition
Instrumental Ensemble I-IV	7311, 7325, 7313, 7326	9-12	1.0	Year	Audition; Concurrent enrollment in performance band class
Percussion I-IV	7351, 7352, 7353, 7354	9-12	1.0	Year	Audition
Music I, Jazz Ensemble	7314	9-12	1.0	Year	Audition; Concurrent enrollment in performance band class
Beginner Guitar I	7321	9-12	1.0	Year	
Color Guard I-IV	7405, 7406, 7407, 7408	9-12	1.0	Year	Audition
Mariachi Band I-IV	7420, 7421, 7422, 7423	9-12	1.0	Year	Audition

CAREER AND TECHNICAL EDUCATION (CTE) COURSES

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
Introductory Level Courses					
Principles of Applied Engineering	81568	9-12	1	Year	
Computer Science Principles AP	2123	9-12	1	Year	
Principles of Agriculture, Food and Natural Resources	80101	9-12	1	Year	
Business Information Management I	80424	9-12	1	Year	
Web Technologies	81123	9-12	1	Year	
Principles of Arts, A/V Technology, and Communications	81180	9-12	1	Year	
Principles of Law, Public Safety, Corrections and Security	81201	9-12	1	Year	
Principles Health Science	80801	9-12	1	Year	
Principles Of Cosmetology Design and Color Theory	81020	9	1	Year	
Principles of Construction	80200	9-12	1	Year	
Principles of Education and Training	80501	9-12	1	Year	
Intro to Welding	81311	9-12	1	Year	
Science, Technology, Engineering, and Math (STEM) Program					
Engineering Design and Presentation 1	81333	10-11	1	Year	Principles of Applied Engineering
Engineering Design and Problem Solving	81534	11-12	1	Year	Engineering Design and Presentation 1; Algebra I and Geometry
Practicum in STEM	81536	12	2	Year	Engineering Design & Problem Solving
Agriculture Program					
Livestock Production	80111	10-12	1	Year	Prin of Ag, Food & Natural Resources

Wildlife, Fisheries & Ecology Management	80115	10-12	1	Year	Prin of Ag, Food & Natural Resources
Range Ecology and Management	80109	11-12	1	Year	Wildlife, Fisheries & Ecology Management
Horticulture Science	80128	10-11	1	Year	Prin of Ag, Food & Natural Resources
Floral Design	80119	11-12	1	Year	Horticulture Science
Advanced Animal Science	80132	11-12	1	Year	Prin of Ag, Food & Natural Resources; Equine Science/Small Animal Management; 90% Attendance; Biology and Chemistry
Veterinary Medical Applications	80122	11-12	1	Year	Prin of Ag, Food & Natural Resources; Equine Science/Small Animal Management; Livestock Production
Practicum In Agriculture, Food & Natural	80141	12	2	Year	A minimum of one credit from the courses in the Ag., Food, and Natural Resources Program of Study
Arts, Audio Video Technology, and Communications Program					
Audio/Video Production I	81194	9-11	1	Year	Principles of Arts, A/V Technology, and Communications
Graphic Design and Illustration I	81193	9-11	1	Year	Principles of Arts, A/V Technology, and Communications
Animation 1	80324	9-11	1	Year	Principles of Arts, A/V Technology, and Communications
Digital Media	81113	9-11	1	Year	Principles of Arts, A/V Technology, and Communications
Audio/Video Production II	81196	11-12	1	Year	Audio/Video Production I
Graphic Design and Illustration II	81195	11-12	1	Year	Graphic Design and Illustration I
Animation 2	80325	11-12	1	Year	Animation 1
Game Programming and Design	81572	11-12	1	Year	Digital Media

Practicum in Audio/Video Production	81189	12	2	Year	Audio/Video Production II
Practicum in Graphic Design and Illustration	81186	12	2	Year	A minimum of one credit from the courses in the Arts, Audio Video Technology, and Communications Program of Study
Practicum in Animation	80325	12	2	Year	A minimum of one credit from the courses in the Arts, Audio Video Technology, and Communications Program of Study
Business, Marketing, and Finance Program					
Human Resource Management	80403	10-11	0.5	Semester	Principles of Business, Marketing and Finance
Virtual Business	80427	10-11	0.5	Semester	Principles of Business, Marketing and Finance
Sports and Entertainment Marketing	81412	11-12	0.5	Semester	Human Resource Management/Virtual Business
Social Media Marketing	81410	11-12	0.5	Semester	Human Resource Management/Virtual Business
Business Management	80428	10-11	1	Year	Human Resource Management/Virtual Business
Career Prep	81302	12	2	Year	Secure employment by 15 th day of school
Practicum In Business Management	80443	12	2	Year	A minimum of one credit from the courses in the Business, Marketing, and Finance Program of Study
Practicum in Marketing	81441	12	2	Year	A minimum of one credit from the courses in the Business, Marketing, and Finance Program of Study
Construction Trades Program					
Construction Management I	80213	10	2	Year	Principles of Construction
Construction Management II	80216	11	2	Year	Construction Management I
Electrical Technology I	80227	10	2	Year	Principles of Construction

Electrical Technology II	80232	11	2	Year	Electrical Technology I
HVAC and Refrigeration Technology I	80260	10	2	Year	Principles of Construction
HVAC and Refrigeration Technology II	80261	11	2	Year	HVAC and Refrigeration Technology I
Practicum in Construction Management	80243	12	2	Year	A minimum of one credit from the courses in the Construction Trades Program of Study
Practicum in Construction Technology	80244	12	2	Year	A minimum of one credit from the courses in the Construction Trades Program of Study
Information Technology Program					
Computer Science I	7603	9-11	1	Year	Computer Science Principles AP
Computer Programming I	81176	9-11	1	Year	Web Technologies
Networking	81121	11-12	1	Year	Computer Science I
Web Game Development	81550	11-12	1	Year	Computer Programming I
Practicum in Information Technology	TBD	12	2	Year	A minimum of two credit from the courses in the Information Technology Program of Study
Welding Program					
Welding I	81312	10	2	Year	Intro to Welding; Algebra I
Welding II	81322	11	2	Year	Welding, Geometry, 90% attendance for previous year
Practicum In Manufacturing	76040	12	2	Year	Welding I, Welding II
Cosmetology Program					
Introduction to Cosmetology	81016	10	1	Year	Principles Of Cosmetology Design And Color Theory
Cosmetology I	81023	11	2	Year	Introduction to Cosmetology Parent permission Attend Informational Meeting
Cosmetology II with Lab	81032	12	3	Year	Cosmetology I Parent permission Attend Informational Meeting

Education and Training Program					
Human Growth & Development	80511	9-11	1	Year	Principles of Education and Training
Instructional Practices	80521	10-12	2	Year	Human Growth & Development
Practicum In Education & Training	80562	12	2	Year	Instructional Practices
Law Enforcement Program					
Law Enforcement I	81211	10-12	1	Year	Prin. of Law, Public Safety, Corrections and Security
Law Enforcement II	81221	11-12	1	Year	Law Enforcement I
Forensic Science	81223	10-12	1	Year	Biology, Chemistry
Criminal Investigation	81222	9-10	1	Year	Prin. of Law, Public Safety, Corrections and Security
Health Science Program					
Medical Terminology	80812	9-10	1	Year	Principles of Health Science
Health Science Theory	80811	10-11	1	Year	Medical Terminology
Pharmacology	80813	10-11	1	Year	Medical Terminology
Practicum In Health Science: CNA	80842	12	2	Year	Principles of Health Science, Medical Terminology, Health Science Theory; Pass criminal background check; Complete application for CNA; 90% attendance previous year; Current influenza vaccine and all other immunizations; Negative Tuberculin skin test
Practicum In Health Science: Pharm Tech	80843	12	2	Year	Principles of Health Science, Medical Terminology, Pharmacology; Pass criminal background check; Complete application for CNA; 90% attendance previous year; Current influenza vaccine and all other immunizations; Negative Tuberculin skin test

ADDITIONAL COURSES

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
Student Aide - 1st Semester	0652	12	0.5	Semester	Counselor and/or administrator approval
Student Aide - 2nd Semester	0654	12	0.5	Semester	Counselor and/or administrator approval
Senior Release	0660	12	N/A	Year	Campus administrator approval and parent permission
College Transition	0770	11-12	0.5	Semester	Students preparing to take SAT and ACT
AVID I	81751	9	1.0	Year	
AVID II	81752	10	1.0	Year	AVID I
AVID III	81753	11	1.0	Year	AVID II
AVID IV	81754	12	1.0	Year	AVID III
MAPS 1 Dual Credit	4121DC	10-12	0.5	Semester	TSI requirements/Only for ECHS students.
Academic Skills I-IV	9990, 9991, 9992, 9993	9-12	1.0	Year	Committee approval
Activities of Daily Living I-IV	9388, 9389, 9390, 9391	9-12	1.0	Year	Committee approval
Occupational Preparation I-IV	9387, 9392, 9393, 9394	9-12	1.0	Year	Committee approval
Recreation and Leisure I-IV	9994, 9995, 9996, 9997	9-12	1.0	Year	Committee approval
Vocational Experience I-IV	9340, 9341, 9342, 9343	9-12	1.0	Year	Committee approval
18+ Transition I-IV	9344, 9345, 9346, 9347	9-12	1.0	Year	Committee approval

MIDDLE SCHOOL COURSE DESCRIPTIONS

ENGLISH LANGUAGE ARTS AND READING (ELAR)

English Language Arts and Reading **Grade 6** **SISD Course Numbers: 1161, 1161R, 1161A**
English Language Arts and Reading Advanced **SISD Course Number: 1162**

This course includes all TEKS for English Language Arts and Reading, which consist of reading, writing, research, listening, and speaking skills. This course provides instruction and practice in reading and writing a variety of genres to enhance students' language skills. Comprehension, writing, and research skills are developed through a variety of activities. Students learn grammar, usage, vocabulary, and other English language skills within the context of reading and writing. Advanced level includes the integration of more complex texts and independent project design and completion.

Note: *Sections R and A require committee approval through an ARD.*

English Language Arts and Reading **Grade 7** **SISD Course Number: 1172, 1172R, 1172A**
English Language Arts and Reading Advanced **SISD Course Number: 1173**

This course facilitates opportunities for students to explore multiple genres through the analysis of literary and informational texts. Students' language skills are enhanced through the study of reading, writing, research, and oral and written conventions. Technology is used to enhance the writing process to produce publications for specific audiences. Advanced level includes the integration of more complex texts and independent project design and completion.

Note: *Sections R and A require committee approval through an ARD.*

English Language Arts and Reading **Grade 8** **SISD Course Number: 1182, 1182R, 1182A**
English Language Arts and Reading Advanced **SISD Course Number: 1183**

This course facilitates opportunities for students to explore multiple genres through the analysis of literary and informational texts. The course enhances students' language skills by emphasizing critical thinking and the logical development of ideas as students build skills in the areas of reading, writing, research, and oral and written conventions. Advanced level includes the integration of more complex texts and independent project design and completion.

Note: *Sections R and A require committee approval through an ARD.*

STAAR Accelerated Reading and Writing **Grades 6, 7, 8**
SISD Course Numbers: 1552, 1178, 1185

This course is designed to help students continue to build a foundation in reading and writing skills. Students will read both independent and instructional-level material for varied purposes such as collecting information, learning about and appreciating the writer's craft, and discovering models for their own writing. Targeted instruction and intervention will be based on student needs.

Note: *This course is recommended for students who did not meet passing standards on STAAR Reading State Assessment from the prior grade level.*

Reading Foundations **Grades 6, 7, 8****SISD Course Numbers: 1666, 1710, 1885**

In this course, students will complete lessons that include alphabet activities, review of spelling, reading practice, handwriting practice, listening and verbal expression (including phonological awareness), reading comprehension, writing activities and study skills.

Note: *Students are placed in this course by the 504 or ARD Committee, or Counselor Approval.*

English as a Second Language (ESL) **Grades 6, 7, 8****SISD Course Numbers: 1660, 1197, 1198**

ELL students are at different stages of language acquisition. Language proficiency levels are not grade specific. This course develops an understanding of English. Students engage in numerous language and cultural activities that build on their prior knowledge and skills to develop and strengthen their listening, speaking, reading, and writing skills.

Note: *Students are placed in the appropriate ESL course based on the student's level of English proficiency.*

Accelerated Language Support **Grades 6, 7****SISD Course Numbers: 1555, 1192**

This course is designed to help English Learners follow the natural progression of language acquisition and development in listening, speaking, reading, and writing. Major emphasis is on listening, oral language development and English language literacy.

Note: *This course is recommended for students who did not meet passing standards on the STAAR Writing and/or Reading State Assessment and who scored on a beginner or intermediate level on TELPAS.*

MATHEMATICS

Mathematics **Grade 6** **SISD Course Numbers: 2162, 2162R, 2162A**

The primary focal points at 6th grade are using all operations with integers, fractions and decimals to solve problems and understanding and applying ratios and rates to represent proportional relationships.

Note: Sections R and A require committee approval through an ARD.

Mathematics Advanced **Grade 6** **SISD Course Number: 2163**

All 6th grade TEKS are taught in addition to selected 7th grade TEKS as appropriate for extensions and identified in the Year-at-a-Glance (YAG). Students enrolled in this course will take the 6th grade Math STAAR. Advanced level students receive accelerated instruction to include 50% of the Grade 7 TEKS.

Mathematics **Grade 7** **SISD Course Number: 3172, 3172R, 3172A**

The primary focal points at 7th grade are number and operations; proportionality; expressions, equations, and relationships; and measurement and data. Students use concepts, algorithms, and properties of rational numbers to explore mathematical relationships and to describe increasingly complex situations.

Note: Sections R and A require committee approval through an ARD.

Mathematics Advanced **Grade 7** **SISD Course Number: 2170**

All 7th grade TEKS are taught in addition to selected 8th grade TEKS as appropriate for extensions and identified in the Year-at-a-Glance (YAG). Students enrolled in this course will take the 7th grade math STAAR. advanced level students receive accelerated instruction to include 100% of the Grade 8 TEKS and students enrolled in the advanced course take the Grade 8 STAAR.

Mathematics **Grade 8** **SISD Course Number: 3182, 3182R, 3182A**

The primary focal points at 8th grade are proportionality; expressions, equations, relationships, and foundations of functions; and measurement and data.

Note: Sections R and A require committee approval through an ARD.

Algebra I Advanced **Grade 7, 8** **SISD Course Number: 3184** **High School Credit: 1.0**

This course addresses the Algebra I TEKS and prerequisite topics for a high school mathematics course. One high school credit is earned upon successful completion of this course. Students are required to take the End-of-Course (EOC) assessment for Algebra 1.

Note: The grade for this course will not be averaged in the student's high school grade point average (GPA) or class rank.

Geometry Advanced **Grade 8** **SISD Course Number: 3188JH** **High School Credit: 1.0**

This course addresses the Geometry TEKS and prerequisite topics for a high school mathematics course. One high school credit is earned upon successful completion of this course.

Note: The grade for this course will not be averaged in the student's high school grade point average (GPA) or class rank.

STAAR Accelerated Mathematics**Grades 6, 7, 8****SISD Course Numbers: 2165, 3177, 3181**

Acceleration and an in-depth study of mathematical concepts based on a student's previous state assessment performance. A prescriptive TEKS-based curriculum addresses difficult concepts while integrating targeted instructional strategies that build a strong foundation in mathematical thinking and reasoning.

Note: *This course is recommended for students who did not meet passing standards on the prior grade's STAAR Math State Assessment.*

SCIENCE

Science **Grade 6** **SISD Course Numbers: 3166, 3166R, 3166A**
Science Advanced **SISD Course Number: 3167**
Science G/T **SISD Course Number: 3162**

The primary focus is on physical science through the use of exploratory and hands-on activities that follow the 5E Model of instruction. The strands include Scientific Investigation and Reasoning, Matter and Energy, Force, Motion, and Energy, Earth and Space, and Organisms and Environments. Students conduct laboratory and field investigations at least 40 percent of the time. Advanced level integrates extensive project-based learning and requires the completion of a student project. The G/T Section serves students in the district's Gifted and Talented Program and includes a project requirement.

Note: *Sections R and A require committee approval through an ARD.*

Science **Grade 7** **SISD Course Number: 4172, 4172R, 4172A**
Science Advanced **SISD Course Number: 4173**
Science G/T **SISD Course Number: 4174**

The primary focus is on organisms and the environment through the use of exploratory and hands-on activities that follow the 5E Model of instruction. The strands include Scientific Investigation and Reasoning, Matter and Energy, Force, Motion, and Energy, Earth and Space, and Organisms and Environments. Students conduct laboratory and field investigations at least 40 percent of the time. Advanced level integrates extensive project-based learning and requires the completion of a student project. The G/T Section serves students in the district's Gifted and Talented Program and includes a project requirement.

Note: *Sections R and A require committee approval through an ARD.*

Science **Grade 8** **SISD Course Number: 4182, 4182R, 4182A**
Science Advanced **SISD Course Number: 4183**
Science G/T **SISD Course Number: 4184**

The primary focus is on earth and space science through the use of exploratory and hands-on activities that follow the 5E Model of instruction. The strands include Scientific Investigation and Reasoning, Matter and Energy, Force, Motion, and Energy, Earth and Space, and Organisms and Environments. Students conduct laboratory and field investigations at least 40 percent of the time. Advanced level integrates extensive project-based learning and requires the completion of a student project. The G/T Section serves students in the district's Gifted and Talented Program and includes a project requirement.

Note: *Sections R and A require committee approval through an ARD.*

SOCIAL STUDIES

Social Studies

Grade 6

SISD Course Number: 4160, 4160R, 4160A

Social Studies Advanced

SISD Course Number: 4163

This course includes the study of people and places of the contemporary world using a regional thematic approach. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information. Advanced level integrates extensive project-based learning and requires the completion of a student project.

Note: *Sections R and A require committee approval through an ARD.*

Social Studies

Grade 7

SISD Course Number: 5172, 5172R, 5172A

Social Studies Advanced

SISD Course Number: 5173

This course includes the study of Texas history from Native Americans to the present. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information. Advanced level integrates extensive project-based learning and requires the completion of a student project.

Note: *Sections R and A require committee approval through an ARD.*

Social Studies

Grade 8

SISD Course Number: 5182, 5182R, 5182A

Social Studies Advanced

SISD Course Number: 5183

This course includes the study of the history of the United States from the early colonial period through Reconstruction. Students will gain a deep conceptual understanding of how our nation was founded, the influence of our founding fathers and the founding documents. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information. Advanced level integrates extensive project-based learning and requires the completion of a student project.

Note: *Sections R and A require committee approval through an ARD.*

ELECTIVES

PHYSICAL EDUCATION (PE) AND ATHLETICS

Physical Education (PE) **Grades 6, 7, 8** **SISD Course Numbers: 7006, 6171, 6181**

Students will develop fitness knowledge and motor skills basic to efficient movement that promote healthy lifestyle choices and improve the quality of students' lives. The 6th grade PE course includes participation in student athletic activities that are fun and a significant part of the educational program that represents high standards of ethics and sportsmanship while developing good character through sports and health education.

Each student must complete a yearly fitness assessment identified as FITNESSGRAM®. All information regarding this assessment is available at: www.fitnessgram.net.

Boys Athletics **Grades 7, 8** **SISD Course Numbers: 6571, 6581**

Girls Athletics **Grades 7, 8** **SISD Course Numbers: 6572, 6582**

These UIL approved courses are for the serious student wishing to participate in a competitive environment. Technical aspects of the team sport will be taught along with philosophy, strategy, and sportsmanship. Students enrolled will be held to a high standard of academic performance as well as behavioral expectations.

Enrollment in the class is reserved for students participating in at least two team sports or a combination of a Fall/Spring Team and Individual Sport. Due to the athlete/coach ratio, safety and security are highly considered. Thus, those wishing to ONLY participate in one sport will not be considered for entrance.

Recommended Prerequisite: Approval by the Middle School Coordinator or respective Head Coach.

MATADOR ELECTIVES

Digital Citizenship **Grade 6** **SISD Course Number: 6005**

Students explore digital citizenship concepts and applications including the use of effective communication, technology applications, and ethical philosophical ideas throughout time and how these have changed in the Information Age. Students will explore the role of social and emotional competencies as they apply through the digital world of communication and interaction.

Leadership **Grade 6** **SISD Course Number: 6006**

Students explore ethical philosophy and social emotional concepts through the lens of leadership. Students will analyze leaders in society, examine the development of ethical philosophies of great leaders throughout time, and will examine and practice how leaders work to resolve conflict, solve problems, and create unity/consensus.

Intro to Fine Arts **Grade 6** **SISD Course Number: 6007**

A multi-part course that surveys music and art in America, and the fundamentals of communication including a study of how artists and music reflects society and culture, an analysis of noted visual artists and how their work has represented society and culture throughout history from an ethical and cultural perspective, and a study of methods of communication including non-verbal, verbal, digital, and write.

FINE ARTS

Fine Arts courses in the middle school are sequences by level and students may enrol in Level 1 at any time in their middle school course of study. Students must progress through each level in progression unless the campus provides an audition or means for meeting the requirements of the course.

Art Middle School 1

Grades 6, 7, 8

SISD Course Number: 7105

This course is an introduction to basic art vocabulary essential for the well-rounded child. Students will explore various styles of drawing, sculpture and digital media. Students are exposed to art history and cross-curricular links to core disciplines. This course teaches how to draw and how to render spatial relationships, light, texture and forms. Topics covered in class include rendering objects, light sources, drawing media, illusion of space, introduction to figure drawing, expressive qualities, painting techniques, and more. Subject matter may vary from still life, landscape, human figure drawing, and fantasy to abstract. A wide variety of drawing and painting media will be practiced.

Art Middle School 2

Grades 7, 8

SISD Course Numbers: 7174

This course is a continued directed examination of personal approaches to art-making with an emphasis on making visual and artistic decisions and developing an appropriate attitude toward visual expression. Art II & III may participate in a variety of school projects such as SISD Technology Fair, Guadalupe County Annual Student Show, and district-sponsored contests.

HS Art I

Grade 8

SISD Course Number: 7102MS

High School Credit: 1.0

Art I is a high school level course that provides the foundation for art study. 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.

Recommended Prerequisite: Art Middle School 1

Note: High school courses completed in middle school are included on a student's official high school transcript, but are not averaged into their GPA or used to calculate class rank.

Band Middle School 1

Grades 6, 7, 8

SISD Course Number: 8105

Beginning band focuses on developing instrument performance fundamentals and music literacy to prepare students for entrance into a Symphonic Band in 7th grade. Students make an instrument selection based on an interview/placement process conducted by the band director, which happens in the spring semester of the student's 5th grade school year. The class concentrates on the development of note-reading skills, aural skills, rhythmic patterns, intonation, and tone production. Students are expected to provide their own instrument for use in class and at home. Student Instrument rental or instrument purchase is therefore required. Rehearsals outside the school day are required but are limited to a few times each semester. Students are also responsible for specific supplies throughout the year as outlined for each instrument.

Band Middle School 2-3

Grades 7, 8

SISD Course Numbers: 8286, 8287

Symphonic Bands are performing bands at middle school. The classes consist of 7th and 8th graders. Students are placed in one of the Symphonic Bands through audition and director recommendation. Activities include concerts, solos and ensembles, region band, and concert contests. Sectionals outside the school day are required but are limited to once a week. There is a band fee of \$30.00 for all students and students using school instruments have an additional \$30.00 instrument rental fee per semester.

Instrumental Ensemble Middle School 1 Grades 6, 7, 8 SISD Course Number: 7365
Mariachi Beginner Guitar

This course is designed for those interested in learning to play the guitar, utilizing the folk music of Mexico. Students will study mariachi guitar performance technique through both instrumental and vocal performance. The class concentrates on the development of note-reading skills, aural skills, rhythmic patterns, intonation, and tone production. Students are expected to provide their own instrument for practice at home. Student Instrument rental or instrument purchase is therefore required. This group will be required to participate in concerts and other activities.

Instrumental Ensemble Middle School 1 Grades 6, 7, 8 SISD Course Number: 7366
Mariachi Beginner Violin

This course is designed for those interested in learning to play the violin, utilizing the folk music of Mexico. Students will study mariachi violin performance technique through both instrumental and vocal performance. The class concentrates on the development of note-reading skills, aural skills, rhythmic patterns, intonation, and tone production. Students are expected to provide their own instrument for practice at home. Student Instrument rental or instrument purchase is therefore required. This group will be required to participate in concerts and other activities.

Instrumental Ensemble Middle School 2-3 Grades 7, 8 SISD Course Numbers: 7367, 7368
Mariachi Ensemble

This course is designed for those interested in learning and playing the folk music of Mexico. Students will study mariachi music through instrumental and vocal performance in an ensemble setting. Student instrumentalists must provide their own instrument (guitar or violin) for developing instrumental performance skills. Students who have previous mariachi experience are encouraged to enroll in this class. This group will be required to participate in concerts and other activities.

Choir MS 1 Grades 6, 7, 8 SISD Course Number: 8008

This ensemble is for 6th grade students with a soprano or alto voice. This class concentrates on the development of note-reading skills, aural skills, rhythmic independence, intonation, and vocal tone production. This ensemble is required to participate in concerts for the school and community throughout the year. Performances include fall, winter, and mock-competition concerts, as well as annual musical productions and spring pop show. Musical selections range from all musical time periods including Classical, Modern, and Pop.

Choir MS 2-3 Grades 7, 8 SISD Course Numbers: 7370, 7380

This auditioned ensemble is for 7th and 8th grade students with a soprano or alto voice. This class concentrates on the continued development of note-reading skills, aural skills, rhythmic independence, intonation, and vocal tone production. This ensemble is required to participate in concerts for the school and community throughout the year. Performances include fall, winter, and UIL concert and Sight-Reading Competition, as well as annual musical productions and spring pop show. Musical selections range from all musical time periods including Classical, Modern, and Pop.

Theatre Arts MS 1 Grade 6, 7, 8 SISD Course Number: 6003

This elective course is an introduction to theatre concepts that will focus on understanding of theatre fundamentals, using creative expression in performances, relating to theatre history, and evaluating

performances. Specific topics include characterization, pantomime, reader's theatre, theatre vocabulary and parts of the stage, and creating characters for dramatizations. The main focus of this course will be group performances including writing, memorizing, and performing a group scene using visual elements.

Theatre Arts MS 2-3

Grades 7, 8

SISD Course Numbers: 7473, 7480

This elective course will refine theatre concepts, such as, using creative expression in performances, and evaluating performances. Specific topics include theatre history, careers in theatre, characterization, poetry reading, defining characters and portraying them in scenes, and improvisation. Many of the performances will be duets. The main focuses of this course will be a scripted group scene and a scripted duet scene. Both will be memorized and performed using visual elements.

LANGUAGES OTHER THAN ENGLISH (LOTE)

Spanish 1

Grade 7, 8

SISD Course Number: 2182

High School Credit: 1.0

This course introduces the basic Spanish language skills of listening, speaking, reading, and writing. Students develop these communication skills by using knowledge of the language, including grammar, and culture, communication and learning strategies, technology, and content from other subject areas to socialize, to acquire and provide information, to express feelings and opinions, and to get others to adopt a course of action.

Note: High school courses completed in middle school are included on a students official high school transcript, but are not averaged into their GPA or used to calculate class rank.

Spanish 1 for Spanish Speakers

Grade 7, 8

SISD Course Number: 2183

High School Credit: 1.0

This course covers the same Spanish language skills listed in the Spanish 1 course description above. Additionally, this course will prepare students to take the Spanish 2 credit by examination in the spring semester. Students may earn high school Spanish 2 credit with a score of 80 or above on the credit by examination.

Note: High school courses completed in middle school are included on a students official high school transcript, but are not averaged into their GPA or used to calculate class rank.

OTHER ELECTIVES

Advancement Via Individual Determination

Grades 7, 8

SISD Course Numbers: 7000, 8000

AVID is a series of academic, regularly scheduled elective classes that uses 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. For more information about AVID, see page 21.

Broadcasting

Grade 8

SISD Course Number: 1480

This course teaches students about broadcast preparation and delivery. Students will use various forms of media to communicate school, community and world events to the student body.

Creative Expression**Grades 7, 8****SISD Course Number: 7070**

Students develop advanced communication skills in speaking, listening, reading, and writing through the use of creative expression, poetry, prose, graphic novel studies, short stories, and other means of creative publishing. Students will create and publish original works of creative expression.

Intro to Computer Science**Grade 6, 7, 8****SISD Course Numbers: 5162, 8174, 8180**

Students in this course will be introduced to a wide range of digital media processes and applications. They work on a variety of software, basic coding, and are challenged to advance their skills and produce high quality products for school projects.

Multimedia Design**Grades 7, 8****SISD Course Number: 7071**

Students develop advanced communication skills in speaking, listening, reading, and writing through the use of multimedia design, web design, blogging, developing podcasts, digital storytelling, and other means of desktop publishing. Students will create and electronically publish original works or designs.

**Principles of Agriculture, Food,
and Natural Resources****Grade 8****SISD Course Number: 80101MS
High School Credit: 1.0**

High school level courses that allows students to develop knowledge and skills regarding career and educational opportunities, personal development, and an overview to the various fields of agriculture, food science, and natural resources. **Note:** High school courses completed in middle school are included on a students official high school transcript, but are not averaged into their GPA or used to calculate class rank.

**Principles of Construction
High School Credit: 1.0****Grade 8****SISD Course Number: 80215MS**

High school level courses that allows students to develop knowledge and skills regarding career and educational opportunities, personal development, and an overview to the various fields of architecture, interior design, and construction management. **Note:** High school courses completed in middle school are included on a students official high school transcript, but are not averaged into their GPA or used to calculate class rank.

**Principles of Health Science
High School Credit: 1.0****Grade 8****SISD Course Number: 80801MS**

High school level courses that allows students to develop knowledge and skills regarding career and educational opportunities, personal development, and an overview to the various fields of health and medical sciences. **Note:** High school courses completed in middle school are included on a students official high school transcript, but are not averaged into their GPA or used to calculate class rank.

**Principles of Information Technology
High School Credit: 1.0****Grade 8****SISD Course Number: 81101MS**

High school level courses that allows students to develop knowledge and skills regarding career and educational opportunities, personal development, and an overview to the various fields of information technology, computer programming, and networking. **Note:** High school courses completed in middle school are included on a students official high school transcript, but are not averaged into their GPA or used to calculate class rank.

Service Learning**Grades 7, 8****SISD Course Number: 7072**

Students develop advanced communication skills in speaking, listening, reading, and writing through the use of service learning, public relations, project proposals, legislative actions, and other means of non-profit volunteerism and project design. Students develop and present a proposal for a service learning project.

Technology Applications: Robotics**Grades 7, 8****SISD Course Numbers: 8176, 8177**

Students in this course will be introduced to robotics through the study of technology applications. Students make informed decisions by understanding current and emerging technologies, including technology systems, appropriate digital tools, and personal learning networks. They will work on building solutions to challenge-based problems for robotics competitions.

Yearbook**Grade 8****SISD Course Number: 1485**

This course teaches students yearbook design and composition in order to compose the school yearbook. Students are instructed in digital photography skills, interviewing, and writing skills.

Student Aide**Grade 8****SISD Course Number: 1000**

Students have the opportunity to assist a member of the staff in one of the following capacities: office aide, counselor aide, and library aide.

Note: *Requires Administrator and/or Counselor approval.*

Investigating Careers, I-III**Grades 6, 7, 8****SISD Course Numbers: 9601, 9602, 9603**

Pre-vocational skills needed for vocation and employment are taught in the classroom and in simulated work environments. The goal of this course is to create a foundation for success in high school, future studies, and vocation and employment. Grade level TEKS are accessed through prerequisite skills.

Note: *Committee approval required for enrollment.*

Activities of Daily Living**Grades 6, 7, 8****SISD Course Numbers: 9604, 9605, 9606**

This course is designed to provide instruction to students in real time as need arises in the areas of basic hygiene, grooming, cooking skills, household living, household cleaning, self-help skills, etc., in the classroom as well as in the community.

Note: *Committee approval required for enrollment.*

Academic Skills**Grades 6, 7, 8****SISD Course Numbers: 1861, 1862, 1863**

This course is designed to provide direct instruction to students daily in the areas of academic preparation, organization, note taking, and test taking as well as have time to complete academic assignments and work on individualized goals and objectives.

Note: *Committee approval required for enrollment.*

HIGH SCHOOL COURSE DESCRIPTIONS

ENGLISH LANGUAGE ARTS AND READING

English 1

Credit: 1.0

Prerequisite: None

SISD Course Number: 1002

Grade: 9

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.

English 1 Advanced

Credit: 1.0

SISD Course Number: 1009

Grade: 9

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 SIM

Credit: 1.0

Prerequisite: Committee approval required for enrollment.

SISD Course Number: 1002H

Grade: 9

Students will use SIM and guided reading 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.

English 1

Credit: 1.0

Prerequisite: Committee approval required for enrollment.

SISD Course Number: 1002A

Grade: 9

Students will develop 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.

English 2**SISD Course Number: 1022****Credit: 1.0****Grade: 10****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.

Note: This course meets State graduation requirements for communication skills proficiency.

English 2 Advanced**SISD Course Number: 1029****Credit: 1.0****Grade: 10**

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.

Note: This course meets State graduation requirements for speech communication skills proficiency.

English 2 SIM**SISD Course Number: 1022H****Credit: 1.0****Grade: 10****Prerequisite: English I SIM**

Students will use SIM and guided reading 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.

Note: This course meets State graduation requirements for speech communication skills proficiency.

English 2**SISD Course Number: 1022A****Credit: 1.0****Grade: 10****Prerequisite: Committee approval required for enrollment.**

This course 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.

Note: This course meets State graduation requirements for speech communication skills proficiency.

English 3**SISD Course Number: 1052****Credit: 1.0****Grade: 11****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.

English 3 Advanced Placement**SISD Course Number: 1069****Credit: 1.0****Grade: 11**

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.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

English 3 Dual Credit**SISD Course Number: 1080****Credit: 1.0****Grade: 11****Prerequisite: Must meet TSI requirements**

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 will receive 6 credit hours from St. Philip's College for the following courses:

ENGL 1301 – Composition 1 and ENGL 1302 – Composition 2: Intensive study of and practice in writing processes and techniques for developing researched-based expository and persuasive texts. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. 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 4**SISD Course Number: 1082****Credit: 1.0****Grade: 12****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.

English 4 Advanced Placement (AP)**SISD Course Number: 1099****Credit: 1.0****Grade: 12**

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.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

English 4 Dual Credit**SISD Course Number: 1199****Credit: 1.0****Grade: 12****Prerequisite: Must meet TSI requirements**

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 will receive 6 credit hours from St. Philip's College for the following courses:

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.

College Prep ELA**SISD Course Number: 1090****Credit: 1.0****Grade: 12****Prerequisite: Enrollment based on TSI results.**

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. This course may satisfy TSI Reading and Writing College Readiness standards for any of the Alamo College at UTSA.

Note: This course fulfills the 4th Advanced ELAR graduation requirement, but does not substitute for the English IV requirement under the Multidisciplinary Endorsement.

Reading Seminar**SISD Course Number: 1618****Credit: 1.0****Grades: 9-12****Prerequisite: Committee approval required for enrollment.**

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

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

Communications Applications Dual Credit**SISD Course Number: 1910****Credit: 0.5****Grades: 9-12****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 3 credit hours from St. Philip's College for the following course:

[SPCH 1311: Introduction to Speech Communication](#)

This is a college-level course that 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.

Note: This is a one semester course.

Debate 1-3**SISD Course Numbers: 1812, 1813, 1814****Credit: 1.0****Grades: 10-12****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**SISD Course Number: 1760****Credit: 0.5****Grades: 11-12****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.

Note: Students must successfully complete both semester courses to earn 1.0 state credit of Literary Genres.

Literary Genres: Bible as Literature**SISD Course Number: 1765****Credit: 0.5****Grades: 11-12****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.

Note: Students must successfully complete both semester courses to earn 1.0 state credit of Literary Genres.

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 two 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 Speakers of Other Languages (ESOL) SISD Course Number: 1011
Credit: 1.0 Grade: 9

Prerequisite: Placement based on the student's level of English proficiency.

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 Speakers of Other Languages (ESOL) SISD Course Number: 1011A
Credit: 1.0 Grade: 9

Prerequisite: Placement by committee based on the student's level of English proficiency.

This is a supportive functional reading course. 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 Speakers of Other Languages (ESOL) SISD Course Number: 1031
Credit: 1.0 Grade: 10

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 a whole language approach. Communicative skills are stressed.

English 2 Speakers of Other Languages (ESOL) SISD Course Number: 1031A
Credit: 1.0 Grade: 10

Prerequisite: Committee approval required for enrollment.

This is a supportive functional reading course. 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.

Newcomer English Language Development (NELD) A SISD Course Number: 1565
Credit: 1.0 Grade: 9

Prerequisite: Placement based on the student's level of English proficiency.

This course develops language, survival vocabulary, and the basic building blocks of literacy for secondary recent immigrant students with little or no English proficiency. The development of communicative competence occurs through targeted lessons based on students' needs with the goal of increasing proficiency in English in all four language domains. This course is taken in conjunction with ESOL 1.

Note: This is a one semester course.

Newcomer English Language Development (NELD) B SISD Course Number: 1566**Credit: 1.0****Grade: 10****Prerequisite: NELD A, Placement based on the student's level of English proficiency.**

NELD-B is a second semester course designed to provide educational opportunities for immigrants who have limited experience in the American school system. More rigorous than NELD-A, this course prepares students for a smooth transition and success with the ESOL/ELPS, and ELA TEKS leading to the College & Career Readiness Standards. Students are challenged to apply higher-order thinking skills and have access to curriculum that covers reading, writing, listening, speaking, and second language acquisition. This course is taken in conjunction with ESOL 1.

Note: This is a one semester course.**Reading ESOL 2****SISD Course Number: 1611****Credit: 1.0****Grade: 10****Prerequisite: Placement based on the student's level of English proficiency.**

This beginner through intermediate-level ESOL course focuses on understanding and interpreting reading selections related to a thematic unit covered in ESOL-2, which is 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.

MATHEMATICS

Algebra 1

Credit: 1.0

Prerequisite: None

SISD Course Number: 2003

Grades: 9-12

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

Algebra 1

Credit: 1.0

Prerequisite: Committee approval required for enrollment.

SISD Course Number: 2003A

Grades: 9-12

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.

Geometry

Credit: 1.0

Prerequisite: Algebra 1

SISD Course Number: 2023

Grades: 9-12

Within the course, students focus on more precise terminology, symbolic representations, and the development of proofs. Students explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand.

Geometry Advanced

Credit: 1.0

Prerequisite: Algebra 1

SISD Course Number: 2029

Grades: 9-12

In addition to the general Geometry this course also 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

Algebra 2**Credit: 1.0****Prerequisite: Algebra 1**

In Algebra 2, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

SISD Course Number: 2053**Grades: 9-12****Algebra 2 Advanced****Credit: 1.0****Prerequisite: Algebra 1**

In addition to general 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.

SISD Course Number: 2059**Grades: 9-12****Mathematical Models with Applications****Credit: 1.0****Prerequisite: Algebra 1**

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

SISD Course Number: 2061**Grades: 11-12****Advanced Quantitative Reasoning (AQR)****Credit: 1.0****Prerequisite: Geometry and Algebra 2**

In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. 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.

SISD Course Number: 2018**Grades: 11-12**

Precalculus**SISD Course Number: 2062****Credit: 1.0****Grades: 11-12****Prerequisite: Algebra 1, Geometry, and Algebra 2**

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

Precalculus Advanced**SISD Course Number: 2064****Credit: 1.0****Grades: 11-12****Prerequisite: Algebra 1, Geometry, and Algebra 2**

In addition to general Precalculus, properties and applications of trigonometric functions, including trigonometric ratios, their graphs, identities, and inverse functions. Other topics include conic sections, polynomial functions, exponential functions, logarithmic functions, sequences and series, complex numbers, and vectors. Students will experience a more in depth study of the previously mentioned topics. This advanced academic course is designed for students who intend to take AP Calculus during their senior year.

Calculus AB Advanced Placement (AP)**SISD Course Number: 2099****Credit: 1.0****Grades: 11-12****Prerequisite: Precalculus**

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

Statistics Advanced Placement (AP)**SISD Course Number: 2098****Credit: 1.0****Grades: 10-12****Recommended Prerequisite: Algebra 2 or Equivalent**

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

Computer Science A Advanced Placement (AP) SISD Course Number: 2122**Credit: 2.0 (Math & LOTE) *one hour class Grades: 10-12**

Prerequisite: Algebra I or a student should be comfortable with functions and the concepts found in the uses of functional notation such as $f(x) = x + 2$ and $f(x) = g(h(x))$.

Recommended Prerequisite: Computer Science Principles

Students will use the Java programming language to solve problems from a variety of different subject areas. Students will also learn the 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.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

Independent Studies In Mathematics 1 (YR) SISD Course Number: 2068**Dual Credit: College Algebra Grades: 11-12****Credit: 1.0****Prerequisite: Algebra 2, must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 3 credit hours from St. Philip's College for the following course:

MATH 1314: College Algebra

This is a college-level course that 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.

Independent Studies In Mathematics 1 or 2 (YR) SISD Course Number: 2070/2071**Dual Credit: Precalculus Grades: 11-12****Credit: 1.0****Prerequisite: Algebra 2, must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 6 credit hours from St. Philip's College for the following courses:

MATH 1414: College Algebra (Precal Track) and MATH 2412: Precalculus

This two-course sequence includes in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices, as well as a combined study of algebra, trigonometry, and other topics for calculus readiness.

Math College Prep SISD Course Number: 2090**Credit: 1.0 Grade: 12****Prerequisite: Enrollment based on TSI results.**

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. This course may satisfy TSI Reading and Writing College Readiness standards for any of the Alamo College at UTSA.

Algebraic Reasoning**Credit: 1.0****Prerequisite: Algebra 1****SISD Course Number: 2007****Grades: 9-12**

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.

SCIENCE

Integrated Physics And Chemistry

Credit: 1.0

Prerequisite: None

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

Note: This course does not count towards a STEM endorsement.

SISD Course Number: 3022

Grades: 9-10

Biology

Credit: 1.0

Prerequisite: None

In Biology, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Additionally, students will receive instruction in cardiopulmonary resuscitation (CPR) as outlined in Texas Education Code §74.38.

SISD Course Number: 3002

Grades: 9-11

Biology Advanced

Credit: 1.0

In addition to general Biology, 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.

SISD Course Number: 3009

Grades: 9-12

Biology

Credit: 1.0

Prerequisite: Committee approval required for enrollment.

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.

SISD Course Number: 3002A

Grades: 9-12

Chemistry**SISD Course Number: 3042****Credit: 1.0****Grades: 10-12****Prerequisite: Algebra I****Recommended Prerequisite: Completion or concurrent enrollment in a second year of mathematics.**

In Chemistry, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

Chemistry Advanced**SISD Course Number: 3049****Credit: 1.0****Grades: 10-12****Prerequisite: Biology, Algebra 1, Geometry or concurrent enrollment in Geometry or Algebra 2**

This preparation course for Chemistry AP includes all the elements of general Chemistry. 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.

Physics**SISD Course Number: 3072****Credit: 1.0****Grades: 11-12****Prerequisite: Algebra 1**

In Physics, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical-thinking skills.

Physics Advanced**SISD Course Number: 3079****Credit: 1.0****Grades: 11-12****Prerequisite: Algebra 2 or concurrent enrollment in Algebra 2**

In addition to general Physics, emphasis will be placed on the formulation of models used to solve problems. 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.

Chemistry Advanced Placement (AP)**SISD Course Number: 3069****Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Chemistry or Chemistry PreAP, Algebra 2 or concurrent enrollment in Algebra 2**

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

Biology Advanced Placement (AP)**SISD Course Number: 3001****Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Biology or Biology PreAP, Chemistry or Chemistry AP**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

Earth and Space Science**SISD Course Number: 3004****Credit: 1.0****Grades: 11-12**

Prerequisite: Three units of science (one can be taken concurrently), three units of math (one can be taken concurrently)

Earth and Space Science 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**SISD Course Number: 3023****Credit: 1.0****Grades: 11-12**

Suggested Prerequisite: One unit high school life science and one unit of high school physical science

In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

Environmental Science Advanced Placement (AP) **SISD Course Number: 3025****Credit: 1.0****Grades: 11-12**

Prerequisite: One year of life science, one year of physical science, Algebra 1

Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply..

Anatomy & Physiology**SISD Course Number: 80831****Credit: 1.0****Grades: 11-12**

Recommended Prerequisite: Core from the Health Science Career Cluster in CTE

Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Medical Microbiology**SISD Course Number: 3024****Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Biology and Chemistry**

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement.

Pathophysiology**SISD Course Number: 3026****Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Biology and Chemistry**

The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

Forensic Science**SISD Course Number: 81223****Credit: 1.0****Grades: 11-12****Prerequisite: Biology, Chemistry****Recommended Prerequisite: Any Law, Public Safety, Corrections, and Security Career Cluster in CTE**

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Scientific Research and Design Dual Credit:**SISD Course Number: 3144****Biology for Science Majors****Grades: 11-12****Credit: 1.0****Prerequisite: One year of high school science (Biology and Chemistry recommended); must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 6 credit hours per semester from St. Philip's College for the following courses:

BIOL 1406 and 1407: Biology for Science Majors I&II: 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.

Note: Students must take both semesters to earn 1.0 high school science credit.

Anatomy & Physiology (YR) Dual Credit**SISD Course Number: 3031****Credit: 1.0****Grade: 12****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course receive 6 credit hours per semester from St. Philip's College for the following courses: BIOL 2401 and 1402: Human Anatomy & Physiology I & II. This two-course sequence involves the study of the structure and function of the human body. Including cells, tissues, organs, and the following systems: endocrine, digestive, respiratory, cardiovascular, lymphatic, genitourinary and reproductive.

SOCIAL STUDIES

World Geography Studies

Credit: 1.0

Prerequisite: None

This course introduces 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.

SISD Course Number: 4022

Grade: 9

World Geography Studies Advanced

Credit: 1.0

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.

SISD Course Number: 4029

Grade: 9

Human Geography Advanced Placement (AP)

Credit 1.0

Recommended Prerequisite: Pre-AP US History Grade 8

The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

SISD Course Number: 4023

Grade: 9

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

World History Studies

Credit: 1.0

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.

SISD Course Number: 4032

Grade: 10

World History Advanced Placement (AP)

Credit: 1.0

Recommended Prerequisite: 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.

SISD Course Number: 4039

Grade: 10

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

United States History Since 1877**Credit: 1.0****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.

SISD Course Number: 4002**Grade: 11****United States History Since 1877****Credit: 1.0****Prerequisite: Committee approval required for enrollment.**

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.

SISD Course Number: 4002A**Grade: 11****United States History Dual Credit****Credit: 1.0****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 6 credit hours from St. Philip's College for the following courses: HIST 1301: US History I and HIST 1302: US History II: This is a survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the present. Themes that may be addressed 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, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.

SISD Course Number: 4190**Grade: 11****United States History Advanced Placement (AP)****Credit: 1.0****Recommended Prerequisite: World History Advanced Placement (AP)**

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.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

SISD Course Number: 4019**Grade: 11****United States Government****Credit: 0.5****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.

Note: This is a one semester course.

SISD Course Number: 4052**Grade: 12**

United States Government Dual Credit**SISD Course Number: 4198****Credit: 0.5****Grade: 12****Prerequisite: Must meet TSI requirements**

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 will receive 3 credit hours from St. Philip's for the following course:

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.

Note: This is a one semester course.

U.S. Government and Politics**SISD Course Number: 4069****Advanced Placement (AP)****Grade: 12****Credit: 0.5****Recommended Prerequisite: US History Dual Credit or US History Advanced Placement (AP)**

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.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply. This is a one semester course.

Economics with Emphasis on the Free Enterprise System and Its Benefits**SISD Course Number: 4072****Credit: 0.5****Grade: 12****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.

Note: This is a one semester course.

Economics Dual Credit**SISD Course Number: 4199****Credit: 0.5****Grade: 12****Prerequisite: Must meet TSI requirements**

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 will receive 3 credit hours from St. Philip's College for the following course:

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. **Note:** This is a one semester course.

Macroeconomics Advanced Placement (AP)**SISD Course Number: 4092****Credit: 0.5****Grade: 12****Recommended Prerequisite: US History Advanced Placement (AP) 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.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply. This is a one semester course.

Psychology**SISD Course Number: 4125****Credit: 0.5****Grades: 11-12****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.

Note: This is a one semester course.

Psychology Advanced Placement (AP)**SISD Course Number: 4126****Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Previously taken Advanced Placement (AP) or Dual Credit Social Studies 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.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

Psychology Dual Credit**SISD Course Number: 4128****Credit: 0.5****Grades: 11-12****Prerequisite: Must meet TSI requirements**

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 will receive 3 credit hours from St. Philip's College for the following course:

PSYC 2301: General Psychology: 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.

Note: This is a one semester course.

Sociology**Credit: 0.5****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.

Note: This is a one semester course.

SISD Course Number: 4124**Grades: 11-12****Personal Financial Literacy****Credit: 0.5****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).

Note: This is a one semester course.

SISD Course Number: 4123**Grades: 10-12****Special Topics in Social Studies 1****Dual Credit: Social Psychology****Credit: 0.5****Prerequisite: Must meet TSI requirements**

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 will receive 3 credit hours from St. Philip's College for the following course:

PSYC 2319: Social Psychology: This course includes the study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes.

Note: This is a one semester course.

SISD Course Number: 4086**Grades: 11-12****Social Studies Research Methods 1****Dual Credit: Texas Government****Credit: 1.0****Prerequisite: Must meet TSI requirements**

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 will receive 3 credit hours from St. Philip's College for the following courses:

GOVT 2306: Texas Government: This course will address the origin and development of the Texas constitution, structure, and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas.

SISD Course Number: 4081**Grade: 12**

Special Topics in Social Studies 1 and 2**Dual Credit: World Civilization I and II****Credit: 0.5 per semester; total 1.0****Prerequisite: Must meet TSI requirements**

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 will receive 6 credit hours from St.

Philip's College for the following courses:

HIST 2321: World Civilization I & HIST 2322: World Civilization II: A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the emergence of human cultures through the 15th century to the present. The course examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include the emergence of early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange.

SISD Course Number: 4087DC, 4088DC**Grades: 11-12**

PHYSICAL EDUCATION, ATHLETICS, AND SPORTS MEDICINE

Foundations of Personal Fitness: Cross Training

Credit: 0.5

Prerequisite: None

In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle. The student exhibits a physically-active lifestyle and understands the relationship between physical activity and health throughout the lifespan. In **Section 5003P** of this course, as a PARTNERS IN PE PROGRAM, students are provided the opportunity to be effective mentors, peer helpers, and role models in a physical education class alongside students with special needs. Students are provided opportunities for hands-on experience in teaching and working with individuals with diverse abilities. They develop knowledge and skills about physical activities that promote wellness and sport training.

Note: This is a one semester course.

SISD Course Number: 5003/5003P

Grades: 9-12

Individual Sports

Credit: 0.5

Recommended Prerequisite: Foundations of Personal Fitness

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course. Students enrolled in the Individual Sports course will improve their health and fitness while developing competency in Cardio Health, Table Tennis, Badminton, Disc Golf/Putt-Putt, Weight Lifting, Basketball, Dodgeball, Health and Wellness lessons, and other activities as available. In **Section 5006P** of this course, as a PARTNERS IN PE PROGRAM, students are provided the opportunity to be effective mentors, peer helpers, and role models in a physical education class alongside students with special needs. Students are provided opportunities for hands-on experience in teaching and working with individuals with diverse abilities. They develop knowledge and skills about physical activities that promote wellness and sport training.

Note: This is a one semester course.

SISD Course Number: 5006/5006P

Grades: 9-12

Adventure/Outdoor Education

Credit: 1.0

Recommended Prerequisite: Foundations of Personal Fitness

Students enrolled in adventure outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote a respect for the environment and that can be enjoyed for a lifetime. Activities include ropes, archery, fishing, canoeing, kayaking, outdoor cooking, and nature walks.

Note: Parent permission is required to participate in this course. Students travel by bus to the Outdoor Learning Center daily for class.

SISD Course Number: 5115

Grades: 10-12

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 (UIL). Participation requires approval of the head coach of the respective sport(s), parent permission, a physical examination by a licensed physician, and maintenance of a satisfactory academic record.

Tennis I-IV Credit: 1.0	SISD Course Number: 5226, 5236, 5286, 5296 Grades: 9-12
Cross Country I-IV Credit: 1.0	SISD Course Number: 5213, 5253, 5263, 5273 Grades: 9-12
Golf I-IV Credit: 1.0	SISD Course Number: 5214, 5254, 5264, 5274 Grades: 9-12
Boys Soccer I-IV Credit: 1.0	SISD Course Number: 5215, 5255, 5265, 5275 Grades: 9-12
Girls Soccer I-IV Credit: 1.0	SISD Course Number: 5216, 5256, 5266, 5276 Grades: 9-12
Baseball I-IV Credit: 1.0	SISD Course Number: 5212, 5252, 5262, 5272 Grades: 9-12
Softball I-IV Credit: 1.0	SISD Course Number: 5210, 5220, 5230, 5250 Grades: 9-12
Football I-IV Credit: 1.0	SISD Course Number: 5222, 5227, 5242, 5292 Grades: 9-12
Volleyball I-IV Credit: 1.0	SISD Course Number: 5223, 5233, 5243, 5293 Grade: 9-12
Boys Basketball I-IV Credit: 1.0	SISD Course Number: 5224, 5234, 5244, 5294 Grades: 9-12
Girls Basketball I-IV Credit: 1.0	SISD Course Number: 5225, 5235, 5245, 5295 Grades: 9-12

Freshman Cheerleading**SISD Course Number: 5306****Credit: 1.0****Grades: 9****Prerequisite: Freshman Cheerleaders are selected by a panel of judges.**

Freshman cheerleaders perform at freshman sporting events and represent SHS in competition.

Note: Parent permission and fees of approximately \$600 are required. Students may earn 1.0 credit of PE substitution or 1.0 credit of Fine Arts substitution.**Junior Varsity (JV) Cheerleading****SISD Course Number: 5305****Credit: 1.0****Grades: 9-11****Prerequisite: Junior Varsity Cheerleaders are selected by a panel of judges.**

Cheerleaders perform at most sporting events and represent SHS in competition with other 5A schools.

Note: Parent permission and fees of approximately \$600 are required. Students may earn 1.0 credit of PE substitution or 1.0 credit of Fine Arts substitution. Additional credits will count as elective credit.**Varsity Cheerleading****SISD Course Number: 5304****Credit: 1.0****Grades: 10-12****Prerequisite: Varsity Cheerleaders are selected by a panel of judges.**

Cheerleaders perform at most sporting events and represent SHS in competition with other 5A schools.

Note: Parent permission and fees of approximately \$800 are required. Students may earn 1.0 credit of PE substitution or 1.0 credit of Fine Arts substitution. Additional credits will count as elective credit.**Sports Medicine Courses***Sports Medicine courses do NOT count as the physical education requirement for State graduation.***Sports Medicine I****SISD Course Number: 5246****Credit: 1.0****Grades: 10-12****Prerequisite: Prior approval by the Athletic Trainer**

Sports Medicine I is designed to provide students with the opportunity for the study of the knowledge and skills in the components of sports medicine including sports medicine, concepts of sports injury, athletic healthcare team, sports injury law, sports injury prevention, sports psychology, nutrition, emergency action plan and initial injury evaluation, first aid/CPR/AED, the injury process, immediate care of athletic injuries of specific body areas, skin conditions in sports, bloodborne pathogens, thermal injuries, and special medical concerns of the adolescent athlete.

Sports Medicine II**SISD Course Number: 5247****Credit: 1.0****Grades: 11-12****Prerequisite: Sports Medicine I, prior approval by the Athletic Trainer**

Sports Medicine II is designed to provide students with the opportunity for a more in-depth study of the knowledge and skills in the components of Sports Medicine I including sports medicine, concepts of sports injury, athletic healthcare team, sports injury law, sports injury prevention, sports psychology, nutrition, emergency action plan and initial injury evaluation, first aid/CPR/AED, the injury process, immediate care of athletic injuries of specific body areas, skin conditions in sports, bloodborne pathogens, thermal injuries, and special medical concerns of the adolescent athlete.

Sports Medicine III**Credit: 1.0****SISD Course Number: 5248****Grade: 12****Prerequisite: Sports Medicine II, prior approval by the Athletic Trainer**

The course will provide opportunities for advanced students in the sports medicine program to research, investigate, prepare, and present article reviews, case studies, research projects, visual poster presentations, and multimedia presentations on instructor-approved topics. The athletic training students will continue to perform the assigned duties and responsibilities in the operation of the athletic training room under the supervision of a licensed athletic trainer. These duties will prepare the students to apply the knowledge and skills acquired in the sports medicine course curriculum. The required duties will be a portion of the grade earned in the course.

NAVAL JUNIOR ROTC (NJROTC)**Naval Science I****Credit: 1.0****SISD Course Number: 5401****Grades: 9-12****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 II**Credit: 1.0****SISD Course Number: 5402****Grades: 9-12****Prerequisite: One-year in JROTC or Naval Science I**

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. This course also addresses the Navy's role in American History and the effect it had around the world.

Naval Science III**Credit: 1.0****SISD Course Number: 5403****Grades: 10-12****Prerequisite: Two years in JROTC or Naval Science II**

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 IV**Credit: 1.0****SISD Course Number: 5404****Grade: 12****Prerequisite: Two years in JROTC, 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.

LANGUAGES OTHER THAN ENGLISH (LOTE)

French I

Credit: 1.0

Prerequisite: None

SISD Course Number: 1502

Grades: 9-12

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 II

Credit: 1.0

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

SISD Course Number: 1512

Grades: 9-12

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 III

Credit: 1.0

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

SISD Course Number: 1519

Grades: 9-12

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 IV

Credit: 1.0

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

SISD Course Number: 1520

Grade: 10-12

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 I

Credit: 1.0

Prerequisite: None

SISD Course Number: 1562

Grades: 9-12

This course covers the skills of listening, speaking, reading, and writing in Spanish. Emphasis is on understanding common expressions, 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 II

Credit: 1.0

Prerequisite: Spanish I or passing score on district administered Credit-by-Exam

SISD Course Number: 1573

Grades: 9-12

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.

Spanish II Advanced**SISD Course Number: 1574****Credit: 1.0****Grades: 9-12****Prerequisite: Spanish I or passing score on district administered Credit-by-Exam**

Spanish II 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. Instruction will be conducted fully in Spanish to increase and sharpen listening, oral, comprehension, expression, interpretation as well as writing skills.

Spanish III**SISD Course Number: 1579****Credit: 1.0****Grades: 9-12****Prerequisite: Spanish II 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 II. 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 III Dual Credit**SISD Course Number: 1577****Credit: 1.0****Grades: 10 – 12****Prerequisites: Spanish II; must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 4 credit hours per semester from St. Philip's College for the following courses:

SPAN 1411: Elementary Spanish I and SPAN 1412: Elementary Spanish II

Students will be introduced to the college level fundamentals of the Spanish Language and culture in order to develop listening, speaking, reading, and writing skills.

Note: Students must take both semesters to earn 1.0 high school LOTE credit.**Spanish IV****SISD Course Number: 1599****Credit: 1.0****Grades: 10-12****Prerequisite: Spanish III 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.

Spanish IV Dual Credit**SISD Course Number: 1591****Credit: 1.0****Grades: 10 – 12****Prerequisites: Spanish III Dual Credit; must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 4 credit hours per semester from St. Philip's College for the following courses:

SPAN 2311: Intermediate Spanish I and SPAN 2312: Intermediate Spanish II

This course provides additional development of language skills in listening, speaking, reading, and writing. Short literary selections are introduced in a context of Hispanic culture and civilization.

Note: Students must take both semesters to earn 1.0 high school LOTE credit.

Spanish IV Language and Culture (AP)**SISD Course Number: 1598****Credit: 1.0****Grades: 9-12****Recommended Prerequisite: Three credits in Spanish**

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

Computer Science A Advanced Placement (AP)**SISD Course Number: 2122****Credit: 2.0 (Math & LOTE) *one hour class****Grades: 10-12**

Prerequisite: Algebra I or a student should be comfortable with functions and the concepts found in the uses of functional notation such as $f(x) = x + 2$ and $f(x) = g(h(x))$.

Recommended Prerequisite: Computer Science Principles

Students will use the Java programming language to solve problems from a variety of different subject areas. Students will also learn the 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.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

FINE ARTS

Visual Arts

Art I

Credit: 1.0

Prerequisite: None

SISD Course Number: 7102

Grades: 9-12

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 Appreciation I Dual Credit

Credit: 1.0

Prerequisite: Must meet TSI requirements

SISD Course Number: 0513

Grades: 10-12

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 will receive 3 credit hours from St. Philip's College for the following course:

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.

Note: This is a semester course.

Art II Drawing

Credit: 1.0

Prerequisite: Art I

SISD Course Number: 7122

Grades: 10-12

Students will express ideas through original artworks 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 II Sculpture

Credit: 1.0

Prerequisite: Art I

SISD Course Number: 7124

Grades: 10-12

Students will further develop 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 II Ceramics

Credit: 1.0

Prerequisite: Art I

SISD Course Number: 7125

Grades: 10-12

Students 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 III Drawing**Credit: 1.0****Prerequisite: Art II 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.

SISD Course Number: 7152**Grades: 11-12****Art III Sculpture****Credit: 1.0****Prerequisite: Art II Sculpture**

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.

SISD Course Number: 7154**Grades: 11-12****Art IV Drawing****Credit: 1.0****Prerequisite: Art III 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.

SISD Course Number: 7182**Grade: 12****Art IV Sculpture****Credit: 1.0****Prerequisite: Art III Sculpture**

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

SISD Course Number: 7184**Grade: 12****Art History Advanced Placement (AP)****Credit: 1.0****Prerequisite: None**

This course 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.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

SISD Course Number: 7199**Grades: 10-12****Studio Art: Drawing Advanced Placement (AP)****Credit: 1.0****Recommended Prerequisite: Art II**

This course 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.

Note: Students are required to submit an Advanced Placement portfolio in May and exam fees apply.

SISD Course Number: 7189**Grades: 11-12**

Studio Art: 2-D Design Advanced Placement (AP) SISD Course Number: 7186**Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Art II**

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.

Note: Students are required to submit an Advanced Placement portfolio in May and exam fees apply.

Studio Art: 3-D Design Advanced Placement (AP) SISD Course Number: 7187**Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Art II**

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.

Note: Students are required to submit an Advanced Placement portfolio in May and exam fees apply.

*Theatre Arts***Theatre Art I****SISD Course Number: 7203****Credit: 1.0****Grades: 9-12****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 II**SISD Course Number: 7204****Credit: 1.0****Grades: 10-12****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 III-IV**SISD Course Number: 7205, 7206****Credit: 1.0****Grades: 11-12****Prerequisite: Audition and Theatre Arts II**

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.

Musical Theatre I-III**Credit: 1.0****Prerequisite: Audition and Theatre Arts I**

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.

SISD Course Number: 7212, 7213, 7214**Grades: 10-12****Technical Theatre I****Credit: 1.0****Prerequisite: Audition and Theatre Arts I**

This 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.

SISD Course Number: 7207**Grade: 10-12****Advanced Technical Theatre II-IV****Credit: 1.0****Prerequisite: Audition and Technical Theatre I**

This course builds on the stagecraft 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.

Note: Working at least on after-school production per semester is required.

SISD Course Number: 7208, 7209, 7210**Grades: 10-12****Theatre Production I-III****Credit: 1.0****Prerequisite: Audition**

Theatre Production I-III provides practical hands-on experiences in acting and stagecraft through the preparation and public performance of plays.

Note: Students must be in the company for each after-school production (three a year). Students are required to submit portfolios in conjunction with school productions.

SISD Course Number: 7215, 7216, 7217**Grades: 9-12***Dance***Dance I-II****Credit: 1.0****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.

SISD Course Number: 7007, 5301**Grades: 9-12**

World Dance Forms**Credit: 1.0****Prerequisite: None**

A study of dances from different cultures, their histories, and their influences on contemporary American dance and culture. May include Ballet Folklórico, African Dance, and more. This course earns fine arts credit by meeting the TEKS for Dance.

SISD Course Number: 5110**Grades: 9-12****Dance Team Training****Credit: 1.0****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. Students will perform in the spring semester during the Starstepper Spring Showcase. Dance class uniform is required.

SISD Course Number: 7009**Grades: 9-11****Dance Team I-IV****Credit: 1.0****Prerequisite: Audition**

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 team fees between \$250 - \$500 are required.

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

SISD Course Number: 5112, 5307, 5308, 5309**Grades: 9-12***Choral Music***Matador Varsity Choir I-IV****Credit: 1.0****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.

SISD Course Number: 7303, 7304, 7305, 7306**Grades: 9-12****Non Varsity Choir I-IV****Credit: 1.0****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.

SISD Course Number: 7381, 7382, 7384, 7385**Grades: 9-12****Women's Choir I-IV****Credit: 1.0****Prerequisite: Audition and Interview recommendation from middle-school teacher**

This is an auditioned choir 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 and Sight-reading, Solo and Ensemble, and Region Treble Choir auditions.

SISD Course Number: 7307, 7308, 7309, 7335**Grades: 9-12**

Music Theory Advanced Placement (AP)**SISD Course Number: 7301****Credit: 1.0****Grades: 10-12****Prerequisite: Prior music experience and Interview**

This course is an advanced theory class.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.**Music Appreciation Dual Credit****SISD Course Number: 7317****Credit: 1.0****Grades: 9-12****Prerequisite: Must meet TSI requirements**

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 will receive 3 credit hours from St. Philip's College for the following course: **MUSI 1306: Music Appreciation** - Understanding music through the study of cultural periods, major composers, and musical elements. This course is supported with audio recordings and live performances.

Note: This is a semester course.**Music Composition I and II****SISD Course Number: 7224, 7225****Credit: 1.0****Grades: 9-12****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 I-IV****SISD Course Number: 7341, 7342, 7343, 7344****Credit: 1.0****Grades: 9-12****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.

Note: This is an activity-based course that counts as a Physical Education substitution in the fall semester.**Wind Symphony I-IV****SISD Course Number: 7331, 7332, 7333, 7334****Credit: 1.0****Grades: 9-12****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.

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

Symphonic Band I-IV**Credit: 1.0****Prerequisite: Audition**

The Symphonic Band is the third most advanced 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.

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

SISD Course Number: 7312, 7322, 7323, 7324**Grades: 9-12****Concert Band I-IV****Credit: 1.0****Prerequisite: Audition**

The Concert Band 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 may include marching band, parades, concert, solos and ensemble, region band, marching and concert contests, and community performances.

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

SISD Course Number: 7390, 7391, 7392, 7393**Grades: 9-12****Instrumental Ensemble I-IV****Credit: 1.0****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.

SISD Course Number: 7311, 7325, 7313, 7326**Grades: 9-12****Percussion I-IV****Credit: 1.0****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.

SISD Course Number: 7351, 7352, 7353, 7354**Grades: 9-12****Music I, Jazz Ensemble****Credit: 1.0****Prerequisite: Limited to students concurrently enrolled in a traditional concert band course. Placement by audition.**

Students engage in the performance of jazz music including swing, rock, latin, and bop. Also includes the study of the musical elements of jazz and improvisation. Instrumentation includes: Saxophone, Trumpet, Trombone, and Rhythm Section (Drum Set, Bass Guitar, Guitar, and Piano).

SISD Course Number: 7314**Grades: 9-12**

Beginner Guitar I**Credit: 1.0****Prerequisite: None**

Guitar class is open to all students. Students will learn beginning acoustic guitar techniques, strumming and melodic playing techniques, as well as reading music and tablature. Students must provide their own guitar (electric or acoustic) to practice on in class and at home. Students will also be required to purchase the beginning guitar book which they will keep. Students must be willing/able to work in a large group setting and perform in public. The beginning guitar student will need to practice 20-40 minutes daily to achieve success. Anything less will achieve limited results.

SISD Course Number: 7321**Grades: 9-12****Color Guard I-IV****Credit: 1.0****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 an 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.

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

SISD Course Number: 7405, 7406, 7407, 7408**Grades: 9-12****Mariachi Band I-IV****Credit: 1.0****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.

SISD Course Number: 7420, 7421, 7422, 7423**Grades: 9-12**

CAREER AND TECHNICAL EDUCATION (CTE)

Introductory Level Courses

The courses listed below offer a survey of the field or industry that relates to multiple CTE programs and serve as a preview of the material to come in later courses. These courses will focus on workplace skills, career survey education, and post-secondary readiness.

Principles of Applied Engineering

Credit: 1.0

Prerequisite: None

This course provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects.

SISD Course Number: 81568

Grades: 9-12

Computer Science Principles

Advanced Placement (AP)

Credit: 1.0

Prerequisite: None

In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

SISD Course Number: 2123

Grades: 9-12

Principles of Agriculture, Food, and Natural Resources

Credit: 1.0

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.

SISD Course Number: 80101

Grades: 9-12

Business Information Management I

Credit: 1.0

Prerequisite: None

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

SISD Course Number: 80424

Grades: 9-12

Web Technologies**Credit: 1.0****Prerequisite: None**

In Web Technologies, students will learn to make informed decisions and apply the decisions to the field of IT. Students will 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 will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.

SISD Course Number: 81123**Grades: 9-12****Principles of Arts, A/V, and Technology****Credit: 1.0****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.

SISD Course Number: 81180**Grades: 9-12****Principles of Law, Public Safety, Corrections and Security****Credit: 1.0****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.

SISD Course Number: 81201**Grades: 9-12****Principles of Health Science****Credit: 1.0****Prerequisite: None**

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

SISD Course Number: 80801**Grades: 9-12****Principles of Cosmetology Design and Color Theory****Credit: 1.0****Prerequisite: None**

Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the TDLR requirements for licensure upon passing the state examination.

SISD Course Number: 81020**Grades: 9**

Principles of Construction**Credit: 1.0****Prerequisite: None**

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

SISD Course Number: 80200**Grades: 9-12****Principles of Education and Training****Credit: 1.0****Prerequisite: None**

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

SISD Course Number: 80501**Grades: 9-12****Introduction to Welding****Credit: 1.0****Prerequisite: None**

Introduction to Welding will introduce welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. This course supports the integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

SISD Course Number: 81311**Grades: 9-12****Science, Technology, Engineering, and Math (STEM) Program****Engineering Design and Presentation 1****Credit: 1.0****Prerequisite: Principles of Applied Engineering**

Engineering Design and Presentation I is a continuation of knowledge and skills learned in Principles of Applied Engineering. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

SISD Course Number: 81333**Grades: 10-11**

Engineering Design and Problem Solving**Credit: 1.0****SISD Course Number: 81534****Grades: 11-12****Prerequisite: Engineering Design and Presentation****Algebra I and Geometry**

The Engineering Design and Problem-Solving course is the creative process of solving problems by identifying needs and then devising solutions. The solution may be a product, technique, structure, or process depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines. This course satisfies a high school science graduation requirement. Students shall be awarded one credit for successful completion of this course.

Practicum in STEM**Credit: 2.0****SISD Course Number: 81536****Grade: 12****Prerequisite: Robotics 2**

The Practicum in STEM course is a capstone course designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Agriculture Program**Livestock Production****Credit: 1.0****SISD Course Number: 80111****Grades: 10-12****Prerequisite: Principles of Agriculture, Food, and Natural Resources**

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Wildlife, Fisheries, and Ecology Management**Credit: 1.0****SISD Course Number: 80115****Grades: 10-12****Prerequisite: Principles of Agriculture, Food, and Natural Resources**

This course prepares students for careers in natural resource systems. This course examines the management of game and nongame wildlife species, fish, and aqua-crops 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 nongame 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.

Range Ecology and Management**SISD Course Number: 80109****Credit: 1.0****Grades: 11-12****Prerequisite: Wildlife, Fisheries, and Ecology Management**

Range Ecology and Management is designed to develop students' understanding of rangeland ecosystems and sustainable forage production.

Horticulture Science**SISD Course Number: 80128****Credit: 1.0****Grades: 10-11****Prerequisite: Principles of Agriculture, Food, and Natural Resources**

Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

Floral Design**SISD Course Number: 80119****Credit: 1.0****Grades: 11-12****Prerequisite: Horticulture Science**

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

Advanced Animal Science**SISD Course Number: 80132****Credit: 1.0****Grade: 11-12****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**SISD Course Number: 80122****Credit: 1.0****Grade: 11-12****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.

**Practicum in Agriculture, Food, and
Natural Resources**

SISD Course Number: 80141

Grade: 12

Credit: 2.0

Prerequisite: Veterinary Medical Applications; 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.

Arts, Audio Video Technology, and Communications Program

Audio Video Production I

SISD Course Number: 81194

Credit: 1.0

Grades: 9-11

Prerequisite: Principles of Arts, A/V, and Technology

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production of audio and video products. Students will be expected to create original short works or film projects. This course may provide training for a locally-approved work opportunity, The Seguin ISD Matador Stadium Video Board. Students will be able to utilize course knowledge and practical skills on the State's largest LED Video Board here in Seguin, TX. Students will also learn production videography and photography as well as the live production skills necessary for MatCast video broadcast.

Graphic Design and Illustration 1

SISD Course Number: 81193

Credit: 1.0

Grades: 9-11

Prerequisite: Principles of Arts, A/V, and Technology

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Students will utilize software programs, such as Adobe Illustrator to create digital vector files for purposes of publication and promotion. All aspects of the design cycle will be studied to produce works of digital creation.

Animation 1

SISD Course Number: 80324

Credit: 1.0

Grades: 9-11

Prerequisite: Principles of Arts, A/V, and Technology

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

Digital Media**Credit: 1.0****SISD Course Number: 81113****Grades: 9-11****Prerequisite: Principles of Arts, A/V, and Technology**

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 of media products.

Audio Video Production II**Credit: 2.0****SISD Course Number: 81196****Grades: 11-12****Prerequisite: Audio Video Production I**

Students will continue to expand upon their knowledge and skills of the video production courses through demonstrated performance in executing course tasks and through the creation of digital portfolio productions. Students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video products. Students will have opportunities for necessary time devoted specifically to the production and post-production process of deeper and higher quality productions. This course may provide training for a locally-approved work opportunity, The Seguin ISD Matador Stadium Video Board. Students will be able to utilize course knowledge and practical skills on the State's largest LED Video Board here in Seguin, TX. Students will also learn production videography and photography as well as the live production skills necessary for MatCast video broadcast.

Graphic Design and Illustration 2**Credit: 1.0****SISD Course Number: 81195****Grades: 11-12****Prerequisite: Graphic Design and Illustration 1**

Students will continue to expand upon their knowledge and skills of the graphic design and illustration courses through demonstrated performance in executing course tasks and through the creation of digital portfolio productions. Students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

Animation II**Credit: 1.0****SISD Course Number: 80325****Grades: 11-12****Prerequisite: Animation I**

In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry.

Game Programming and Design**Credit: 1.0****SISD Course Number: 81572****Grades: 11-12****Prerequisite: Digital Media**

Students will collaborate with one another, their instructor, and various electronic communities to solve gaming problems. Through data analysis, students will include the identification of task requirements, plan search strategies, and use programming concepts to access, analyze, and evaluate information needed to design games. By acquiring programming knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will create a computer game that is presented to an evaluation panel.

Practicum in Audio Video Production**SISD Course Number: 81189****Credit: 2.0****Grade: 12****Prerequisite: Audio/Video Production II**

Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instructions may be delivered through lab-based classroom experiences or career preparation opportunities.

Practicum in Graphic Design and Illustration**SISD Course Number: 81186****Credit: 2.0****Grade: 12****Prerequisite: Graphic Design and Illustration II**

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, 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 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.

Practicum in Animation**SISD Course Number: 80325****Credit: 2.0****Grade: 12****Prerequisite: Animation II or Game Programming and Design**

Building upon the concepts taught in Animation II and its corequisite Animation II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Business, Marketing, and Finance Program**Human Resources Management****SISD Course Number: 80403****Credit: 0.5****Grades: 10-11****Recommended Prerequisite: Principles of Business, Marketing and Finance**

Human Resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.

Note: This is a one semester course.

Virtual Business**SISD Course Number: 80427****Credit: 0.5****Grades: 10-11****Recommended Prerequisite: Principles of Business, Marketing and Finance**

Virtual Business is designed for students to start a virtual business by creating a web presence, conducting online and off-line marketing, examining contracts appropriate for an online business, and demonstrating project-management skills. Students will also demonstrate bookkeeping skills for a virtual business, maintain business records, and understand legal issues associated with a virtual business.

Note: This is a one semester course.**Sports and Entertainment Marketing****SISD Course Number: 81412****Credit: 0.5****Grades: 11-12****Recommended Prerequisite: Principles of Business, Marketing and Finance**

Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

Note: This is a one semester course.**Social Media Marketing****SISD Course Number: 81410****Credit: 0.5****Grades: 11-12****Recommended Prerequisite: Principles of Business, Marketing and Finance**

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

Note: This is a one semester course.**Business Management****SISD Course Number: 80428****Credit: 1.0****Grades: 10-11****Prerequisite: Human Resource Management/Virtual Business**

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills. Students are encouraged to participate in extended learning experiences such as the Business Professionals of America (BPA) and other leadership or extracurricular organizations.

Career Prep**SISD Course Number: 81302****Credit: 2.0****Grade: 12**

Career Preparation provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

Practicum in Business Management**SISD Course Number: 80443****Credit: 2.0****Grade: 12****Prerequisite: A minimum of one credit from the courses in the Business, Marketing, and Finance****Program of Study**

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. In this course, students will use personal and interpersonal skills to strengthen performance in the workplace. They will also apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students 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 Marketing**SISD Course Number: 81441****Credit: 2.0****Grade: 12****Prerequisite: A minimum of one credit from the courses in the Business, Marketing, and Finance****Program of Study**

Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing.

Construction Trades Program**Construction Management I****SISD Course Number: 80213****Credit: 2.0****Grades: 10****Prerequisite: Principles of Construction**

In Construction Management I, students will gain knowledge and skills needed to enter the workforce as apprentice carpenters or building maintenance supervisors' assistants or to build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management I include the knowledge of design techniques and tools related to the management of architectural and engineering projects.

Construction Management II**SISD Course Number: 80216****Credit: 2.0****Grades: 11****Prerequisite: Construction Management I**

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

Electrical Technology I**Credit: 2.0****SISD Course Number: 80227****Grades: 10****Prerequisite: Principles of Construction**

In Electrical Technology I, students will gain knowledge and skills needed to enter the workforce as an electrician or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

Electrical Technology II**Credit: 2.0****SISD Course Number: 80232****Grades: 11****Prerequisite: Electrical Technology I**

In Electrical Technology I, students will gain knowledge and skills needed to enter the workforce as an electrician or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

HVAC and Refrigeration Technology I**Credit: 2.0****SISD Course Number: 80260****Grades: 10****Prerequisite: Principles of Construction**

In Heating, Ventilation, and Air Conditioning and Refrigeration Technology I, students will gain knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment.

HVAC and Refrigeration Technology II**Credit: 2.0****SISD Course Number: 80261****Grades: 11****Prerequisite: HVAC and Refrigeration Technology I**

In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II, students will gain advanced knowledge and skills needed to enter the industry as HVAC and refrigeration technicians or building maintenance technicians or supervisors, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, use of tools, codes, installation of commercial HVAC equipment, heat pumps, troubleshooting techniques, various duct systems, and maintenance practices.

Practicum in Construction Technology**Credit: 2.0****SISD Course Number: 80244****Grade: 12****Prerequisite: Electrical II or HVAC II**

The Practicum in Construction Technology class is an advanced course designed to provide classroom technical instruction or on-the-job training experiences. Students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. Students will have opportunities to demonstrate their knowledge and skills in construction technology in a paid or unpaid job setting or be involved in locally approved projects. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom.

Practicum in Construction Management**Credit: 2.0****Prerequisite: Construction Management II**

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

SISD Course Number: 80243**Grade: 12****Information Technology Program****Computer Science I****Credit: 1.0****Prerequisite: Algebra 1**

This 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.

SISD Course Number: 7603**Grades: 9-11****Computer Programming 1****Credit: 1.0****Prerequisite: None**

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 such as video game design.

SISD Course Number: 81176**Grades: 9-11****Networking****Credit: 1.0****Prerequisite: Algebra 1, Computer Science 1**

In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

SISD Course Number: 81121**Grades: 11-12****Web Game Development****Credit: 1.0****Prerequisite: Computer Programming 1**

Creativity and innovation. The student demonstrates creative thinking, constructs knowledge, and develops innovative products and processes using technology.

SISD Course Number: 81550**Grades: 11-12**

Practicum in Information Technology**SISD Course Number: TBD****Credit: 2.0****Grade: 12****Prerequisite: A minimum of two credits from the courses in the Information Technology Program of Study**

In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation.

Welding Program**Welding 1****SISD Course Number: 81312****Credit: 2.0****Grades: 10****Prerequisite Introduction to Welding; Algebra I**

Welding I provides the knowledge, skills, and technologies required for employment in metal technology systems. Students will develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will be exposed to different types of welding and oxy fuel 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.

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.

Welding 2**SISD Course Number: 81322****Credit: 2.0****Grades: 11****Prerequisite: Welding I ; Geometry, 90% attendance for previous year.**

Welding 2 builds on knowledge and skills developed in Welding. 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 federal, state, and local safety regulations and practices.

Practicum In Manufacturing**Credit: 2.0****Prerequisite: Welding II****SISD Course Number: 76040****Grade: 12**

The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills in Welding I and Welding II. Students will continue to master practical skills and have an opportunity to prepare for industry approved certification or licensure. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Cosmetology Program**Introduction to Cosmetology****Credit: 1.0****Prerequisite: Principles of Cosmetology Design and Color Theory****SISD Course Number: 81016****Grades: 10**

In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements.

Cosmetology 1**Credit: 2.0**

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.

SISD Course Number: 81023**Grades: 11**

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 that 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.

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

Cosmetology 2 with Lab**SISD Course Number: 81032****Credit: 3.0****Grades: 12**

Prerequisite: Cosmetology 1; Parent permission; Students must pay a fee deposit of \$100 by June 1, and the remaining second year fees of \$100 by the first day of school. Fees are paid to the Cosmetology Instructor.

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 prepares 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.

Note: Course Fees are \$200 for the second year of the program. 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.

Education and Training Program**Human Growth and Development****SISD Course Number: 80511****Credit: 1.0****Grades: 9-11****Prerequisite: None**

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**SISD Course Number: 80521****Credit: 2.0****Grades: 10-12****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 instructional strategies 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. Transportation to education sites provided.

Practicum In Education and Training**SISD Course Number: 80562****Credit: 2.0****Grade: 12****Prerequisite:** Instructional Practices in Education and Training

This is a field-based internship practicum that provides students with background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course will work closely with veteran educators modeling instructional best practices. The teaching roles and assignments of these exemplary educators will vary from 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. Transportation to educational sites provided.

Law Enforcement Program**Law Enforcement 1****SISD Course Number: 81211****Credit: 1.0****Grades: 10-11****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**SISD Course Number: 81221****Credit: 1.0****Grades: 11-12****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**SISD Course Number: 81223****Credit: 1.0****Grades: 10-12****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.

Criminal Investigations**SISD Course Number: 81222****Credit: 1.0****Grades: 10****Prerequisite: Principles of Law, Public Safety, Corrections and Security**

Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation.

Health Science Program**Medical Terminology****SISD Course Number: 80812****Credit: 1.0****Grades: 9-10****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 Theory**SISD Course Number: 80811****Credit: 1.0****Grades: 10-11****Prerequisite: Medical Terminology**

Health Science Theory 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 healthcare field.

Pharmacology**SISD Course Number: 80813****Credit: 1.0****Grades: 10-11****Prerequisite: Health Science Theory**

The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care.

Practicum in Health Science:
Certified Nursing Assistant (CNA)
Credit: 2.0

SISD Course Number: 80842
Grades: 12

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
Credit: 2.0

SISD Course Number: 80843
Grade: 12

Prerequisite: Health Science; must pass a criminal background check/fingerprinting check; have at least 90% attendance for the previous year

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.**
- **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.

ADDITIONAL COURSES

Student Aide: First Semester/Second Semester

Credit: 0.5

Prerequisite: Counselor and/or administrator approval

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.

Note: This is a local credit course that is not averaged into GPA or class ranking.

SISD Course Number: 0652/0654

Grade: 12

Senior Release: First Semester/Second Semester

Credit: N/A

Senior Release is available for Seniors who have earned at least 20 credits towards graduation and have passed the 5 required STAAR EOC exams.

NOTE: Campus administration approval AND parent permission is required. Please see a campus counselor for the required paperwork to submit for approval.

SISD Course Number: 0660A/0660B

Grade: 12

College Transition

Credit: 1.0

Recommended Prerequisite: Students preparing to take the ACT and/or SAT

College Transition 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. In the College Transition course, students will research financial scholarships and grant opportunities, complete applications, and explore technical schools, colleges, and universities. With the increased emphasis on career and college readiness and post-secondary education, students need a course that will provide opportunities to meet these post-secondary opportunities in grades 9-12.

Note: This is a semester course.

SISD Course Number: 0770

Grades: 11-12

Advancement Via Individual Determination

(AVID) I-IV

Credit: 1.0

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 AVID is to close the achievement gap by preparing all students for college readiness and success in a global society. AVID's systematic approach is designed to support students and educators as they increase schoolwide/districtwide learning and performance.

Note: All Associate Degree Pathway students are enrolled in AVID classes, however this class is open to all interested students.

SISD Course Number: 81751, 81752, 81753, 81754

Grades: 9-12

Methodology for Academic and Personal Success (MAPS) Dual Credit
Credit: 0.5

SISD Course Number: 4121
Grades: 10-12

Prerequisite: Must meet TSI requirements; ECHS students only.

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 will receive 3 credit hours from St. Philip's College for the following course:

EDUC 1300: Learning Framework: 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.

Academic Skills I-IV
Credit: 1.0

SISD Course Number: 9990, 9991, 9992, 9993
Grades: 9-12

Prerequisite: Committee approval required for enrollment

This course is designed to provide direct instruction to students daily in the areas of academic preparation, organization, note taking, and test taking as well as have time to complete academic assignments.

Activities of Daily Living I-IV
Credit: 1.0

SISD Course Number: 9388, 9389, 9390, 9391
Grades: 9-12

Prerequisite: Committee approval required for enrollment

This course is designed to provide instruction to students in real time as need arises in the areas of basic hygiene, grooming, cooking skills, household living, household cleaning, self-help skills, etc., in the classroom as well as in the community. There is no formal outline or syllabus.

Occupational Preparation I-IV
Credit: 1.0

SISD Course Number: 9387, 9392, 9393, 9394
Grades: 9-12

Prerequisite: Committee approval required for enrollment

Job skills needed for employability are taught in the classroom and on the job training sites, including administrative skills, secretarial skills, food service, retail and child care.

Recreation and Leisure I-IV
Credit: 1.0

SISD Course Number: 9994, 9995, 9996, 9997
Grades: 9-12

Prerequisite: Committee approval required for enrollment

This course is designed to provide instruction to students in the areas of lifelong recreational skills and activities including art, painting, crafts, exercising and recreational games (indoors and outdoors).

Vocational Experience I-IV
Credit: 1.0

SISD Course Number: 9340,9341, 9342, 9343
Grades: 9-12

Prerequisite: Committee approval required for enrollment

This course is designed to provide instruction to students in employment skills while exploring realistic vocational goals. Students will receive direct instruction on campus and support at places of employment to improve employability.

18+ Transition I-IV

SISD Course Number: 9344, 9345, 9346, 9347

Credit: 1.0

Grades: 9-12

Prerequisite: Committee approval required for enrollment

This course is designed to provide instruction to students in real time as situation and needs arise personally and in the community in the areas of employment, vocational training, continuing and adult education, access to adult services, independent living, community participation and social/recreation/leisure, and other important life considerations that address student interest, preferences and needs for this ages 18-21 population.